OFF-PROPERTY INVESTIGATION REPORT

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October 2011

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October 13, 2011

Ms. Carolyn J. Casey
United States Environmental Protection Agency
5 Post Office Square, Suite 100, OSRR 07-3
Boston, MA 02109-3912

Re: Stewardship Permit Submittal – DEP/HWM/CS-034-006
Off-Property Investigation Report
Former Risdon Facility - 15 Old Newtown Road, Danbury, CT USEPA ID CTD001168558

Dear Ms. Casey:

This document submittal have been prepared for the property located at 15 Old Newtown Road in Danbury, Connecticut (Site) in accordance with Condition II.B.2 of the Stewardship Permit for CR USA, Inc. (Permit) dated September 29, 2009 and the approved Schedule for Scope of Work – Revision 2 (updated July 2011). The submittal certification required in accordance with Section I.E.15 of the Permit and 40 CFR 270.11(d)(1) is provided below.

The attached *Off-Property Investigation Report* (on CD) provides a summary of the results from the recent phase of off-property investigation activities conducted downgradient of the Site. The investigation activities were conducted in accordance with the February 2010 *Draft Off-Property Investigation Work Plan* and the July 2010 responses to EPA's comments on the work plan.

A phased investigation approach is being utilized to evaluate off-property subsurface conditions in the vicinity of the Site. As described in the conceptual site model, the presumed method of transport for contaminants of concern from the former Risdon facility is with groundwater flow. This initial investigation phase focused on: 1) the one off-property AOC which is associated with a drain-pipe from the closed Lagoon Area; and 2) the nature and extent of potential off-property groundwater impacts. Specifically, this initial investigation focused on three main off-property areas: the Still River; the bedrock valley beneath Augusta Drive; and the wetlands behind 4 Old Newtown Road. Details on the methods and results for the investigation activities are contained in the attached document. A paper copy of the updated conceptual site model pictorial with regard to inferred groundwater flow directions is attached to this letter.

If you have any questions or require additional information, please contact me or Kenny Gulledge (CR USA, Inc) at 843-320-1171.

Sincerely,

Woodard & Curran, Inc.

Jeffrey Hamel, LSP, LEP
Senior Project Manager

Enclosure: Off-Property Investigation Report

cc: Sandra Brunelli, CTDEEP
Stephanie Carr, USEPA
Kenny Gulledge, CR USA, Inc.

In accordance with Section I.E.15 of the Permit and 40 CFR 270.11(d)(1), the following certification is provided:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision according to a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Signed: Michael Antry

Michael Antry, Corporate Director of EH&S, CR USA, Inc.

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1. INTRODUCTION

This Off-Property Investigation Report (Off-Property Report) has been prepared to document the investigation activities conducted in May through August 2011 to evaluate potential off-property impacts from the former Risdon Facility, located at 15 Old Newtown Road (Site) in Danbury, Connecticut. This Off-Property Report has been prepared by Woodard & Curran (W&C) on behalf of CR USA, Inc., the current owner of the property, in accordance with the Stewardship Permit (Permit Number DEP/HWM/CS-034-006) issued on September 29, 2009 for the Site.

The off-property investigation activities were conducted consistent with the February 26, 2010 Draft Off-Property Workplan, United States Environmental Protection Agency's (EPA's) May 27, 2010 Comments on the Workplan, a July 2, 2010 conference call to discuss the comments, and a July 20, 2010 submittal of written responses to the comments. On July 30, 2010, EPA concurred with the responses to comments and activities associated with the Workplan were initiated. The first step was gaining access to the off-property locations, which proved to be a challenging, time-consuming process. Access was finally granted in late April 2011 and a work schedule was developed and submitted to EPA on May 3, 2011.

The objective of the off-property investigation, as discussed in the Workplan, is to "evaluate potential off-property impacts from the former Risdon Facility". A phased investigation approach was proposed in the Workplan to evaluate off-property conditions in the vicinity of the Site. The initial off-property investigation phase focused on: 1) the one off-property Area of Concern (AOC), which is associated with a drain-pipe from the closed Lagoon Area; and 2) the nature and extent of potential off-property groundwater impacts. Specifically, this initial investigation focused on three main off-property areas: the Still River; the bedrock valley beneath Augusta Drive; and the wetlands behind 4 Old Newtown Road. This additional off-property work supplements the existing off-property data which includes monitoring wells, soil gas points, and stream piezometers previously installed by CR USA and soil borings and monitoring wells installed by other property owners on these properties; as summarized in the February 2010 Draft Off-Property Workplan.

As described in the conceptual site model, the presumed method of transport for contaminants of concern from the former Risdon Facility is with groundwater flow. The investigation activities proposed and subsequently completed, which include vertical profiling of groundwater in overburden and bedrock at select locations, installation of additional overburden and bedrock monitoring wells, and groundwater sampling and analysis at a number of off-property wells, provides a better understanding of the plume nature, degree, and extent. As discussed in the Workplan response to comments, once this initial dataset is collected and evaluated, supplemental investigation may be warranted. Upon determining the nature and extent of groundwater impacts, potential receptors and migration pathways, including indoor air at adjacent properties, sediment/surface water sampling, etc., will be addressed in a supplemental phase if the extent of groundwater impacts demonstrates the potential migration into those areas. Obtaining a better understanding of the off-property groundwater extent is the first component or phase of this investigation to determine what properties or receptors may have the potential to be or have been impacted.

Further discussion on the methods and results of the recent off-property investigation activities and updated conceptual site model is provided in the subsequent sections of this report.

2. BACKGROUND

This section provides a summary of site information used to support the development of the conceptual site model (CSM). In addition to a summary of both the operational and regulatory history of the facility, a description of the hydrogeology and the surrounding area is also presented, as this information is pertinent to the development of the updated CSM, provided in Section 5.

2.1 SITE LOCATION

The facility consists of a former industrial facility located on approximately 8-acres of land at 15 Old Newtown Road in the City of Danbury, Connecticut. The facility is located near the intersection of Old Newtown Road and Newtown Road and is bordered to the north by Old Newtown Road and to the east by Newtown Road. The facility is bordered to the south by commercial property and to the west by a business and private residences. The perimeter of the property is fenced with one gate to the east providing access and one to the west providing egress, both by means of coded cards. The surrounding area is generally industrial/commercial with a few scattered residences. The Still River is located approximately 100 feet northwest of the facility and flows northward past the Site. A large wetland area is located approximately 700 feet northeast of the facility. Refer to Figures 1 through 3 for the Site Location and a depiction of the Site and surrounding area.

2.2 PROPERTY USAGE

The former Risdon facility was utilized for the manufacturing of cosmetics containers from 1956 to 2005. The primary manufacturing processes included electroplating, chromating, acid/solvent stripping, degreasing, silver plating, pickling, buffing, polishing, lacquering, hot stamping, silk screening, and assembly (SIC Code 3469). The metal finishing operations consisted of silver plating, pickling, degreasing, and lacquering. These operations were restricted to the southeastern portion of the facility, referred to as the metal finishing area (MFA). The buffing operations were located adjacent to the MFA in the southwestern portion of the facility. The remainder of the building was used for assembly, product storage, packing, shipping, and office space. Operations ceased in 2005 and the building is currently vacant.

The remaining areas of the property surrounding the building include paved parking and driveways (to the rear and sides of the building) and a vegetated landscape area (front of the building). The former surface impoundments (former Lagoon Area) were located in the open area west of the building (current paved parking lot).

2.3 WASTE MANAGEMENT HISTORY

Thirty AOCs were identified throughout the facility based on their historical material and waste management operations. A list of these AOCs, including a description of the AOC, waste managed, and period of operation was presented in the March 2008 *Remedial Action Plan* (RAP). More recently, in January 2010, a summary of all known AOCs at the facility and the investigation and mitigation activities conducted to date was submitted to the EPA and Connecticut Department of Energy and Environmental Protection (CTDEEP) as part of a Stewardship Permit submittal.

The facility formerly operated two sludge lagoons, a sludge drying bed, and an incinerator under RCRA Interim Status (a RCRA Part A permit application was submitted in November 1980). The lagoons and drying bed were certified-closed in 1983 and the incinerator was certified closed in 1985. A Part B Permit Application was submitted on November 2, 1990 but never issued. A permit was issued on September 29, 2009 under a Stewardship Permit (No. CS-034-006) jointly administered by the CTDEEP and the EPA , thereby terminating the interim status of the facility.

2.4 ON-SITE REGULATORY HISTORY

Investigation and remediation activities have been on-going at the Site since 1981 with the most recent activities being conducted in accordance with the RCRA Corrective Action program under EPA oversight. Investigations completed to-date include numerous soil samples, installation of 37 groundwater monitoring wells, 31 years of groundwater quality data (1981 to 2011), soil vapor surveys, and a combination of 21 years of active groundwater and soil vapor remediation. These investigations concluded that subsurface soils, soil vapor, and groundwater have been impacted by past releases of volatile organic compounds (VOCs) and metals at two separate areas on the facility, the former MFA and the Lagoon Area AOCs.

The Lagoon Area is the location of two former surface impoundments, which were located on the western portion of the facility and used for the dewatering of metal hydroxide process wastes from approximately 1956 to 1982. The impoundments were closed by sludge/soil excavation and off-site disposal in 1982-1983. In 1990, an Interim Corrective Measure (ICM), consisting of groundwater extraction and treatment to hydraulically contain VOC contaminated groundwater from the Lagoon Area in conjunction with air sparge/vapor extraction (AS/VE) to remove adsorbed-phase VOCs from saturated soils, was implemented in this area. The groundwater extraction system, operational since 1990, was upgraded in 2005 to its current status, extracting groundwater from six on-property recovery wells (RW-1 through RW-6) at a design flow rate of 25 to 30 gallons per minute (gpm). The AS component of the ICM did not effectively operate in accordance with its design capacity and ceased operation in 1995.

The second area, referred to as the former MFA, is located inside the southern portion of the site building. The sources of chlorinated VOCs and metals from this area included several degreasers and process/plating lines. In 1993, an ICM, consisting of dual groundwater and soil vapor extraction and treatment, was implemented inside the building. The system was installed as a source removal mechanism and to contain/prevent the migration of contaminants from the source area via groundwater flow. This system operated until 2005. As part of the property-line groundwater migration control treatment system installed in 2005, three additional recovery wells were installed along the northeastern property boundary downgradient of the MFA.

Supplemental investigative work was conducted throughout the 1990's and summarized in the January 1999 *RCRA Facility Investigation (RFI) Report*. The *RFI Report* provided a summary of investigation activities and a conceptual site model regarding groundwater flow and transport of constituents of concern at the Site. A summary of the data presented in the RFI and the additional data collected since the submittal of the RFI was presented in the March 2008 *RAP*.

In December 2003, EPA concluded that based on a review of all available data, the facility achieved the Environmental Indicator (EI) *CA 725 Current Human Exposures Under Control*. As part of this determination, vapor control measures were implemented in two downgradient residences to eliminate potential migration pathways from the subsurface to indoor air. Further details on these downgradient, off-property soil vapor reduction systems have been provided in previously submitted documents, including the February 2010 Draft Off-Property Workplan.

On September 1, 2005, pursuant to RCSA Section 22a-449(c)-105(h)(6)(A) and in accordance with a CTDEEP August 1, 2005 correspondence, a schedule of milestones for conducting remaining investigation and remediation activities at the facility was submitted. As part of the schedule and pursuant to CTDEEP's August 1, 2005 letter, annual summaries and copies of technical plans and reports related to the investigation and remediation of the parcel were submitted to the EPA and CTDEEP. The on-property RAP was submitted to the Agencies in March 2008 as part of the RCRA corrective action obligations in accordance with Section 22a-449(c)-105(h) and in conjunction with a Form III certification pursuant to Section 22a-134a(c) of the Connecticut General Statutes. Public notice of the proposed on-property remediation activities was published in the Danbury News Times on March 19, 2008. During the 45-day public comment period following issuance of the public notice, no comments were received on the draft plan and no hearing was requested. In a May 29, 2008 correspondence, EPA acknowledged that the remedy

proposed in the March 2008 *RAP* meets the RCRA Corrective action long term goals of protection of human health and the environment and satisfies the partial remedy decision criteria (CA-400).

In September 2008, EPA concluded that based on a review of all available data, the facility achieved the EI *CA 750 Migration of Contaminated Groundwater Under Control.* Semi-annual groundwater monitoring data is collected and submitted to EPA as part of the determination.

On June 19, 2009, a *RAP Completion Report* was submitted to document the completion of the selected remedy for on-property conditions at the Site. This document summarized the construction and completion of the primary components of the on-property remedy, which included: 1) the installation and operation of a sub-slab vapor control system beneath the existing building to prevent migration of impacted soil vapor into indoor air; 2) the continued operation of the existing groundwater extraction and treatment system; 3) closure of AOC-17, the former RCRA container storage area (CSA); and 4) long-term monitoring. In addition to these activities, a draft environmental land use restriction (ELUR) was provided in the *RAP Completion Report*. The ELUR was developed to prevent direct contact and ingestion of impacted soil and groundwater and restrict construction of any new buildings in select areas. In addition, the ELUR discussed the use of engineering controls via existing barriers (concrete building floor slab) to prevent direct contact and ingestion of impacted soils.

On September 29, 2009, the CTDEEP issued the Stewardship Permit (Permit Number DEP/HWM/CS-034-006) for the Site, which ended the interim status of the facility and required long-term maintenance, monitoring and other obligations to ensure the facility's regulatory compliance. As part of this permit, a compliance schedule has been developed for various post closure and corrective action activities and submittals, including the Schedule for Scope of Work (Revision 2, updated July 2011).

2.5 SURROUNDING AREA

The areas encompassing Old Newtown Road and Augusta Drive/Finance Drive are predominantly zoned as either general industrial or light industrial by the City of Danbury. The surrounding properties include a variety of different uses based on the applicable zoning designation which range from industrial warehousing and office parks to an undeveloped tract of land centrally located to the north of Old Newtown Road and east of the properties located along Augusta Drive and Finance Drive.

The general configuration of the properties relative to existing land features such as the Still River and the topographic relief of the hillside bordering the undeveloped tract of wetlands in the central portion of the area, confirms that these key features were extensive enough to limit unrestricted development in these areas. Aside from the properties adjacent to the former Risdon facility, undeveloped open-space exists within the central portion of Old Newtown Road and Augusta/Finance Drive, consisting primarily of wetlands.

Many of the properties located adjacent to these wetlands were previously involved with industrial manufacturing processes and have consequently been responsible for past waste management practices. Specifically, the current Amphenol property (4 Old Newtown Road, currently owned by Commerce Park Realty LLC) housed a former drum storage area, an old septic system, and an abandoned UST during previous operation by the Tenax Corporation and/or Medsource. GAR Electroformers, Inc., located north of Amphenol at 11 Augusta Drive, utilized two separate lagoon areas, identified as two former electroforming wastewater treatment sludge lagoons and a former pumice lagoon constructed to receive nickel from surface finishing processes. The two former electroforming wastewater treatment sludge lagoons were "closed" in 1988 in accordance with a CTDEEP and EPA-approved Closure Plan which facilitated the placement of an engineered cap. The pumice lagoon was "clean-closed" in 2006, following the removal of 137 tons of nickel-impacted soil, and documented in a Interim Corrective Measure Report submitted to EPA in 2007 (SE Technologies, 2007). The Toppan/Dupont Photomasks Corporation previously owned and

operated a facility along the northern portion of Finance Drive since 1969. A review of historic facility reports indicated the operation of a former sludge drying bed was used to accept metals hydroxide wastes and "clean-closed" between 1984 and 1985. In addition, a machine shop operated along the northern border of the adjacent wetlands. A summary of relevant investigations at these facilities and on-going monitoring activities were presented in the February 2010 Draft Off-Property Workplan.

2.6 TOPOGRAPHY AND SURFACE HYDROLOGY

The facility is located in the Housatonic River Basin with site elevations varying from approximately 296 feet to 308 feet above mean sea level (AMSL). Immediately to the rear of the facility the topography rises considerably from an elevation of approximately 308 feet to a plateau of approximately 400 feet. The area surrounding the former manufacturing building is paved with the exception of a thin area of vegetation around the southern and eastern portions of the facility.

The regional drainage is to the north following the Still River to its confluence with the Housatonic River. The Still River and the wetland area to the north represent the major hydrologic influence in the vicinity of the facility. The wetland serves as a topographic relief in the area, located at an elevation of approximately 288 feet. The adjacent hillside along the east of the wetland rises steeply to an elevation of 330 feet AMSL. Refer to Figure 3 for a depiction of topographic elevations.

2.7 STILL RIVER

The Still River is classified by the State as a Class B river, which means that it is not used for drinking water supply, but can be used for agricultural or industrial supply, recreational uses, and fish and wildlife habitat. In the vicinity of the facility, the river flows through a developed area consisting of industrial and residential properties and appears to have limited use. The CTDEEP Boaters guide shows no listing for public boat launches on the Still River and based on visual inspections there were limited access points for boats. Given the narrowness and shallow depth of the river, only smaller vessels (i.e., canoes, etc.) could navigate the river at times of high water. Visual inspection of the river in the vicinity of Old Newtown Road showed no signs of swimming such as beach areas, chairs on the banks, rope swings, or fishing activity such as worn paths along the banks or fishing line and other discarded fishing equipment. According to the CTDEEP, the Still River is stocked with trout from Eagle Street in Danbury downstream to "the town linear park." This area is approximately 7 tenths of a mile downstream from the point at which the Still River crosses Old Newtown Road.

2.8 GEOLOGY AND HYDROGEOLOGY

The geology of the Still River and Housatonic Basins are generally well-understood as a result of the complex geomorphologic and glacial history of the area. Bedrock beneath the Site consists of a muscovite/biotite schist and a pink granite consistent with the interpretation of Clarke (1958), who identified an interrelated series of gneiss, schist, plutonic rocks and a "younger" granite unit in the Still River valley near Danbury. During on-site drilling activities, the granite was identified as more resistant to weathering and found within areas of shallow depths to bedrock. The schist is found in areas where depths to bedrock are deeper.

Overburden deposits overlying bedrock consist of glacial till overlain by glaciolacustrine sands, silts, and clays. The facies of these units are a result of Pleistocene-age glaciation and the ensuing retreat of this ice-margin. Regionally, as the ice front retreated a large proglacial lake, referred to as Lake Danbury, was confined by the surrounding highlands (Thomson, 1971). Till associated with the advance of the ice margin include compact deposits of silt or silty-clay with variable-size rock fragments ranging from pebbles to cobbles. Glaciolacustrine deposits of sand, silt, and clay occurred as a result of the energy associated with sediment transport into glacial Lake Danbury. In the

vicinity of the former Risdon facility, these glaciolacustrine deposits are overlain by a sandy-fill deposit associated with site development.

Throughout the central portion of the Site, the upper surface of the bedrock is overlain by a discontinuous zone of weathered rock. Both the till and glaciolacustrine deposits are not continuous across the Site, with till absent in vicinity of MW-505 and replaced by glaciolacustrine deposits. A pronounced bedrock valley exists in the vicinity of Augusta Drive.

In general, there are two interconnected aquifer systems in the vicinity of the Site. The upper unconfined aquifer is comprised of the glaciolacustrine deposits. The lower aquifer occurs in the upper fractured portions of the bedrock. Groundwater flow in the bedrock is restricted to the fractures and joints within the bedrock. The restriction of groundwater flow results in significantly lower hydraulic conductivity and reduced potential for migration of groundwater within the bedrock.

Depth to groundwater on the property varies between 3-feet (upgradient at MW-1) and 15-feet (former Lagoon Area) below the ground surface (bgs). Based on years of measurements, shallow groundwater generally flows in a northerly direction across the Site, specifically from the topographic high south of the facility towards the adjacent industrial/commercial properties along Augusta Drive to the north. Groundwater flow is also influenced by the on-site groundwater extraction system with groundwater flow along the property boundaries inferred towards the six recovery wells.

2.9 GROUNDWATER USE AND CLASSIFICATION

Groundwater at the Site is classified by the CTDEEP as GB and therefore presumed not suitable for human consumption without treatment. Groundwater surrounding the Site is GB to the north, east and west and GA to the south (as indicated above, south of the Site is hydraulically upgradient), as shown on the groundwater classification map provided in Appendix A.

As shown on Figure 3 of the 2006 ECAF submittal (provided in Appendix A), there are also no properties identified within ½ to 1 mile downgradient of the Site that are not serviced by public water. As part of the Environmental Indicator CA 725 Current Human Exposures Under Control (achieved in November 2003), a private well receptor survey was conducted with assistance from the Danbury Health Department of properties east of Beaver Brook Road and west of Newtown Road within ¼ mile of the Site. No private well use was confirmed during the survey. The closest municipal well (Osborne Well, Danbury Water Department) is located approximately 1.2 miles west of the Site.

3. OFF-PROPERTY INVESTIGATION

A phased investigation approach was proposed to evaluate off-property subsurface conditions in the vicinity of the Site. The initial investigation phase focused on: 1) the one off-property AOC, which is associated with a drain-pipe from the closed Lagoon Area; and 2) the nature and extent of potential off-property groundwater impacts. Specifically, this initial investigation focused on three main off-property areas: the Still River; the bedrock valley beneath Augusta Drive; and the wetlands behind 4 Old Newtown Road.

Investigation activities associated with the Still River were initiated to evaluate potential subsurface impacts related to former process water conveyance from the former waste lagoons to the River. A series of borings and completion of monitoring wells were advanced within Augusta Drive to the north of the Site and adjacent to the wetlands on the 4 Old Newtown Road property for the purpose of evaluating subsurface geologic conditions in these areas. Subsequent groundwater gauging and monitoring was used to assess groundwater flow and quality in these areas.

An overview of off-property activities completed in May through August 2011 includes the following:

- Pre-drilling submittals including, preparation and submittal of the Administrative Approval for Inland Wetlands & Watercourses Activity form to the Danbury Environmental Impact Commission (EIC), preparation and submittal of access letters to the property owners of 4 Old Newtown Road and Augusta Drive, and marking of boring locations and contacting Call Before You Dig (CBYD);
- Advancement of five borings and installation of four overburden wells and one bedrock well;
- Field screening of soils and bedrock groundwater (via packers) to screen specific intervals of the subsurface to aid in well screen placement;
- Development of the five new monitoring wells;
- Sampling of the five new monitoring wells and four additional shallow wells on the 4 Old Newtown Road property;
- Collection of sediment and surface water samples upstream and downstream of the Site's storm drain outfall;
- Replacement of the two former piezometers within the Still River; and
- Survey of the new well locations, new piezometers, the sediment sampling locations, and the drain line (catch basin invert and outfall).

All work was conducted consistent with the February 2010 Off-Property Investigation Workplan, the July 2010 responses to EPA comments on the Workplan, and the revised project Quality Assurance Project Plan (QAPP). Refer to Table 1 for a summary of the completed off-property work, Table 2 for the analytical testing summary (ATS), and Figure 2 for the investigation locations.

3.1 OFF-PROPERTY AOC INVESTIGATION – DRAIN LINE FROM THE FORMER LAGOON AREA

As part of past facility operations, a subsurface drain line was documented and used to convey process water away from the former waste lagoons into the Still River. A review of historic facility plans indicated that an 18-inch diameter pipe was installed to assist with overflow management of lagoon wastewater to an adjacent catch basin that drained to the Still River. The drain line from the former lagoons to the catch basin was removed during RCRA closure activities; however, it is believed that process wastewater from the facility's new clarifier was connected to the remaining drainage system (that led to the river) until the facility was connected to the city's sewer system. Following the removal of lagoon soils, the area was backfilled with clean fill and re-seeded during the 1980's. The area was

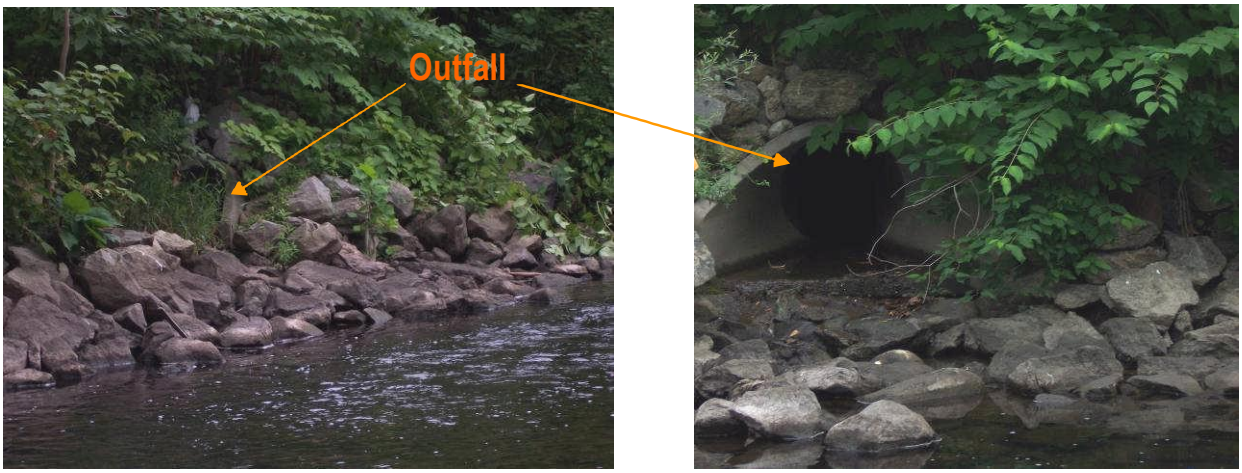
later paved with bituminous asphalt and turned into a parking lot for facility workers. Visual assessment of this parking area identified the location of a catch basin which contains an 18-inch drain line which conveys storm water to the Still River. It is assumed that this storm water drain line may be the same line that was utilized historically for the former lagoons and the facility's treated wastewater until the facility was connected to the city's sewer system. In the absence of detailed information regarding either the waste drain line or the existing storm drain, a series of investigation activities were conducted to evaluate the current storm drain line and potential impacts in the Still River near the outfall.

3.1.1 Storm Drain Investigation

During the assessment of the existing drain line, the cover to the parking lot catch basin in the vicinity of MW-5 and RW-3 was removed and the depth of the drain line was confirmed via survey. In addition, the rim elevation of the catch basin and the location and elevation of the outlet into the Still River was surveyed and tied into the existing site plan. The following provides a summary of the surveyed information on the storm drain line, along with the calculated pipe length and corresponding slope.

CB Ground Elevation	301.30	ft
18" Pipe Invert Elevation	294.90	ft
Outlet Elevation	289.61	ft
Pipe Length	194.5	ft
Change in Elevation	5.29	ft
Slope	2.7%	

Based on this information, storm water from the Site drains into the catch basin and to the Still River. Photos of the catch basin outlet into the river are provided below (note: at this particular time the outfall was not submerged by the river July 29, 2011). However, it is noted that during the spring months during high water levels in the Still River, water levels in the catch basin on the property (near MW-5) do not recede until the river levels recede, as well.



3.1.2 Still River Sediment and Surface Water Sampling

To evaluate potential impacts to river sediments adjacent to the storm drain, three sediment and surface water samples were collected from the river bed. The upstream sample location (SR-SED-REF-01/ SR-SW-REF-01) was collected approximately 190 feet to the south of the storm drain outfall, the outfall sample was collected approximately 20 feet (SR-SED-02/ SR-SW-02) into the river from the outfall (due to the presence of the stone riprap

along the shoreline), and the downstream sample was collected approximately 55 feet (SR-SED-01/ SR-SW-01) north of the storm drain outfall, as shown on Figure 4.

Each of the sediment/ surface water locations were co-located and analyzed for VOCs, 13 priority pollutant metals and cyanide by Alpha Analytical Laboratory of Westborough, Massachusetts (Alpha). In addition, duplicate samples were collected from location (SR-SED-1/ SR-SW-1) for laboratory analysis. Refer to Tables 3 and 4 for a summary of the results for sediment and surface water, respectively. A copy of the laboratory analytical report is provided in Appendix B.

During sampling, the furthest downgradient sample (SR-SED-02 and SR-SW-02) was collected first to avoid suspension and transport of sediment at the upgradient locations. After collection, each of the locations were surveyed and tied into the existing site plan. Consistent with previous river observations, the riverbed substrate is predominantly comprised of large cobbles which necessitated multiple attempts to locate a suitable location to collect sufficient quantities of sediment for laboratory analysis.

For sediment, concentrations of each of the PP13 list of metals (antimony, arsenic, beryllium, cadmium, chromium, copper, lead, mercury, nickel, selenium, silver, thallium, and zinc) were detected in at least one of the three Still River sampling locations. No VOCs or cyanide were detected in any of the samples collected. Comparison of the two samples collected at and downstream of the outfall to the upstream reference sample demonstrates that the metals were detected at generally the same order of magnitude with some minor variability observed (i.e. antimony and lead slightly higher in the upgradient reference sample and cadmium higher in SR-SED-01); demonstrating that a site-related release is not evident in the current concentrations within sediment.

For relative comparison purposes, the metals concentrations were screened against freshwater threshold effect concentrations (TECs) established by MacDonald et al. (2000), which are intended to identify potential constituent concentrations for which harmful effects on sediment-dwelling organisms are unlikely to be observed. These screening levels were presented in the QAPP and are presented in Table 3 for comparison. The only detection above the screening level was for mercury at sample location SR-SED-01 (furthest downstream location). Mercury is not a constituent of concern (COC) in site soil and is not a commonly detected compound in site groundwater (has only been detected at very low levels a few sporadic times over the past 10 years). In addition, mercury was not detected in any of the surface water samples collected at these same sediment locations.

Similar to the sediment results, concentrations of metals were detected at each of the three surface water sample locations. The number of metals detected in surface water was less than that detected in the sediment samples, with only arsenic, cadmium, copper, nickel, and zinc detected in each of the three surface water samples. Concentrations of VOCs and cyanide were not detected in any surface water samples, which is also consistent with the sediment results.

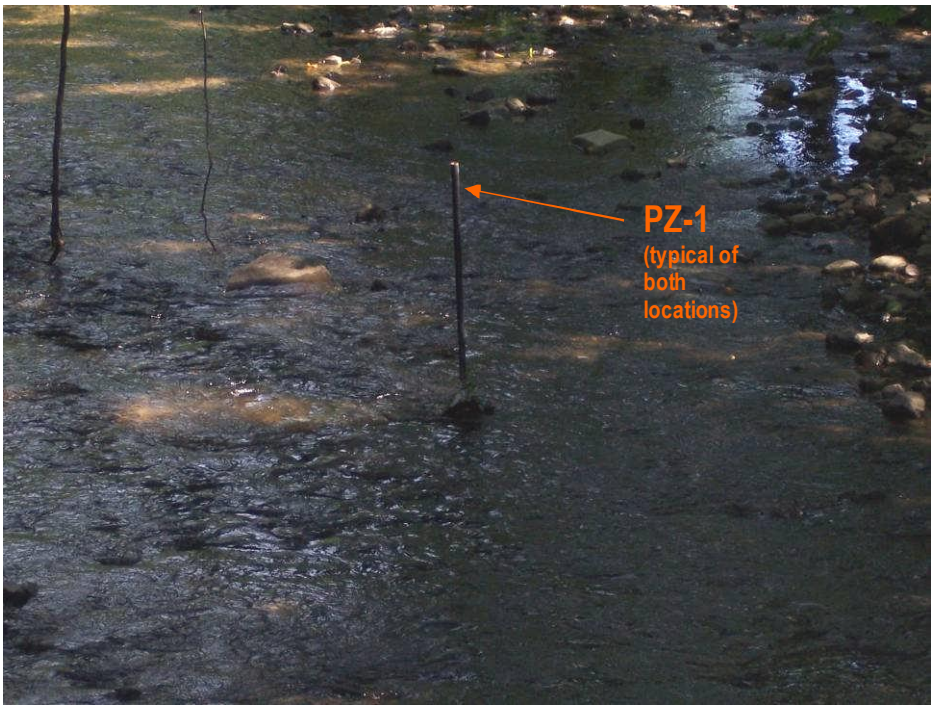
The ranges of detected metals were generally consistent across each of the samples. The surface water data was compared to the CTDEEP Water Quality Criteria (WQC) (Appendix D of the February 25, 2011 Water Quality Standards (WQS)). Arsenic was the only compound detected above the applicable WQC (human health criteria for fish consumption) at all three sampling locations and the concentration of arsenic was consistent across all of the surface water samples collected, including the upgradient reference sample. In addition, arsenic was detected in all of the sediment sample locations, including the upgradient reference sample (which had the highest detected concentration of arsenic in sediment), further demonstrating that the presence of arsenic in the surface water is attributable to other sources (e.g. upgradient source, naturally occurring soil and bedrock composition and subsequent weathering processes, etc.). Of note, as indicated on Table 4, although no concentrations of beryllium or cadmium were detected in any of the samples (< 0.5 ug/l), the detection limit was slightly over the lower of the respective screening levels (0.13 and 0.125 ug/l).

3.1.3 Storm Drain AOC Conclusion

The sediment and surface water analytical data indicates conditions in the River in the vicinity of the storm drain outfall are not impacted at concentrations above applicable screening and water quality criteria. Although concentrations of metals were detected in both sediment and surface water, the relationship of these results from samples collected at and downgradient of the storm drain (SR-SED-01,-02) with the upstream reference location (SR-SED-REF-01) does not demonstrate a site-related impact given the number and magnitude of detected metals in the reference samples. VOCs and cyanide were not detected in the sediment and surface water samples. As such, no further evaluation of the River sediment or surface water is proposed.

3.2 STILL RIVER INVESTIGATION – PIEZOMETER REPLACEMENT

Near the Site, the Still River generally occupies a meandering profile with a width of approximately 50 feet. To evaluate shallow groundwater-surface water interaction, two piezometers (PZ-1 and PZ-2; Figure 2) were installed across from Broad Street and the 2 Old Newtown Road Property to the west of the former Risdon facility in March 2006. The installation of these piezometers occurred with considerable difficulty as a result of the coarse channel gravels and blast rock from historic development. Given that the piezometers were no longer viable, they were replaced during this phase of the off-property investigation.



On July 29, 2011, Aquifer Drilling & Testing, Inc. (ADT) of Bloomfield, CT installed the two replacement piezometers within the Still River. Each piezometer was constructed using 1-inch nominal, Schedule 40 steel pipe with a solid steel drive point welded to one end and a variable-length extension added to the other end using a threaded coupler. A short section of cross-pipe perforations were drilled across a 1-foot section of the pipe above the drive point to allow for groundwater gauging. Each piezometer was driven into the substrate using a hand-operated impact hammer. Each piezometer was constructed with a total length of 5-feet, with the lower 1-ft screened section installed to a depth of 4-feet below the riverbed-grade and 4-feet of riser. The location and elevation of both piezometers were surveyed and added to the existing site plan. Refer to Figures 2 and 4 for the locations within the river.

Water levels were measured in the piezometers on August 3, 2011 concurrent with a synoptic off-property gauging event to evaluate area-wide groundwater flow and assess groundwater-surface water interaction mechanisms. A summary of the historical annual / semi-annual water level measurements recorded for the Site, including the August

2011 event, are presented on Table 5. Water surface elevation measurements from within and outside each piezometer from the surveyed reference point using an electronic conductivity probe indicated upward vertical hydraulic gradients. These gradients were calculated at 0.01 (PZ-1) and 0.005 (PZ-2), demonstrating that groundwater flow in the direct vicinity of the River (e.g. beneath the river bed), may discharge to the River.

3.3 AUGUSTA DRIVE INVESTIGATION – BEDROCK EVALUATION AND MONITORING WELL INSTALLATION

Previously collected data downgradient of the Site in the vicinity of the Augusta Drive and Old Newtown Road intersection has demonstrated concentrations of VOCs (predominantly Trichloroethene [TCE]) at well MW-15M (screened 12-32 feet bgs) and at a groundwater profile location (GW-2A/B; "A": 17-21 feet bgs and "B": 7 – 11 feet bgs) in 2001. Significantly lower (to non-detect) concentrations of VOCs have been measured at well 2ONR-MW-1A, located to the west of the residence at 2 Old Newtown Road and adjacent to the Still River. A review of subsurface information from boring logs at these locations indicates a pronounced bedrock depression or valley which may act as a preferential conduit for overburden groundwater migration, rather than towards the Still River.

To further investigate this bedrock valley, additional borings were advanced further downgradient within Augusta Drive to evaluate groundwater flow patterns, potential contaminant migration, and hydrogeological features. This well cluster (MW-701A/B/C), advanced within the northbound lane of Augusta Drive across from 11 Augusta Drive (see Figure 2), consisted of two overburden monitoring wells (MW-701A and MW-701B) and one bedrock well (MW-701C). The locations of respective well screens were based on a combined overburden soil screening program, reliant upon both visual field observations and a field-based gas chromatograph, along with a series of packer tests in bedrock during the advancement of the initial borehole.

Beginning on May 16, 2011, ADT initiated subsurface pre-clearing activities within the northbound lane of Augusta Drive using vacuum excavation methods. Three locations for the MW-701 well cluster were pre-cleared in the roadway due to CBYD pre-markings associated with a natural gas line trending parallel to Augusta Drive in front of the GAR facility. The upper five feet of overburden soils were removed and the resulting void-space was inspected for the presence of subsurface utilities and/or features. Once each of the three locations were pre-cleared, one boring was selected as MW-701C and drilling activities were initiated to advance this boring into bedrock. The other two locations were temporarily backfilled and sealed with asphalt patch at the surface to allow vehicular travel.

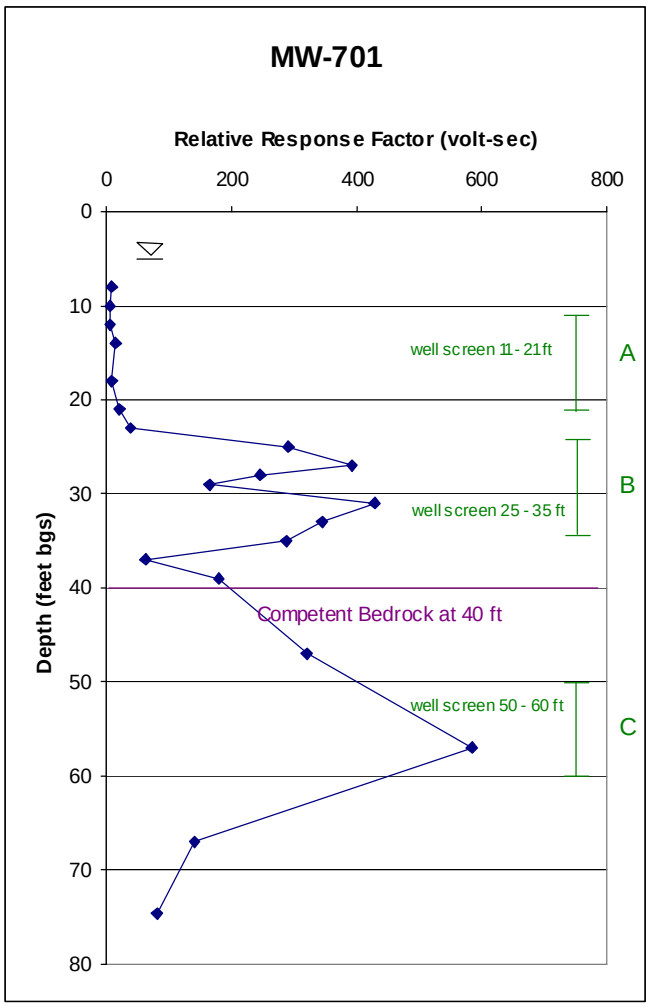
During the advancement of MW-701C, 4-inch steel casing was advanced using "drive and wash" methods. Overburden soils samples were recovered consecutively in 2-foot intervals below the water table from 8 to 40 feet bgs using a split-spoon sampler. Recovered soils were visually logged and screened using a photoionization detector (PID). Subsurface soils beneath the 5 feet of sandy fill consisted of a loose brown sand to 13 ft bgs, followed by a gray medium to dense silt to 28 feet bgs and a dense gray sand and gravel to approximately 40 feet, where bedrock was encountered.

At each 2-foot interval, a soil sub-sample was collected in a 40-ml unpreserved vial for screening using a Photovac Voyager portable gas chromatograph (GC). The GC was used to record compound "response factors" (i.e. chromatograph-specific retention time [in seconds], peak height [expressed in volts], and peak area, determined as the combination of the retention time and peak height in volt-seconds). Following GC analysis, the overburden interval with the highest peak area was selected for the subsequent installation of a deep overburden well (designated as MW-701B). The other overburden well was screened across the water table surface (designated as MW-701A).

During advancement of the MW-701C boring into bedrock, the 4-inch casing was firmly seated into bedrock and a 2-foot core run was performed to confirm the bedrock surface. Once confirmed, the underlying bedrock was cored in variable 4 to 10-foot sections using an HQ-size core barrel and manually logged for rock type, fractures, weathering, etc. Field logging confirmed that bedrock in this area was an augen gneiss, with a fine to medium matrix consisting of quartz, plagioclase, biotite, and muscovite along with larger phenocrysts of potassium feldspar, quartz and garnet. Rock and fracture competency was assessed using Rock Quality Designation (RQD) methods (total length of in-tact core pieces greater than 10-cm in length divided by the total length of the core run). This assessment yielded RQD's greater than 75%, which is representative of a "good" quality or competency for six out of the seven cored intervals. Additional data was also documented and reviewed during bedrock coring, including an estimate of drilling rates on a "per foot" basis and net water loss to the formation during drill water re-circulation required during coring. Significant water loss occurred at a depth of 51.5 to 52 and at 55 feet bgs as a result of fracturing, which was visually-confirmed during core logging. Specifically, the RQD from the 55 to 62 ft bgs interval was 25%, and representative of a highly fractured medium with a "poor to very poor" quality description.

Following the retrieval of the core run, the drill string was removed from the borehole and an inflatable packer was set at the upper limit of the designated isolation zone, which was generally across a 10-foot bedrock interval, for the collection of a representative groundwater sample using a bladder pump assembly. Measurements of groundwater parameters were recorded at routine intervals to document groundwater stabilization prior to sample collection. Following purging, a groundwater sample was collected for field GC analysis.

The combined coring and packer testing efforts were completed across three 10-foot bedrock zones from 42 – 52 ft bgs [251 – 241 ft AMSL], 52 – 62 ft bgs [241 – 231 ft AMSL], and 62 – 72 ft bgs [231 – 221 ft AMSL] and one 5-foot zone from 72 – 77 ft bgs [221 – 216 ft AMSL]. It was anticipated that the borehole would be advanced to a target elevation of 240 amsl, which corresponds to approximately 10 feet below on-property bedrock well MW-508C. However, based upon the GC screening results and a review of fractures in the rock core, MW-701C was advanced to a final depth of 216 feet AMSL (32-feet into bedrock).



The plot to the right provides a summary of the field GC results for the overburden soil (8 to 40 feet bgs) and bedrock packer testing samples. As discussed above, the field GC provides a relative response factor for each sample that can then be compared vertically within the borehole. Copies of the chromatographs are provided in Appendix C. The field GC results demonstrate that greater peak responses were noted in the overburden layer just above the bedrock surface, as well as in the 50 to 60 ft bgs bedrock zone. The field screening data also shows that the vertical extent of VOCs has been delineated based on two successive decreasing results below 60 ft bgs. As such, the deeper overburden well screen was placed in this peak area, screened from 25 to 35 feet bgs, and the bedrock well screen was installed from 50 to 60 feet in the packer zone with the highest field GC result and inclusion of

a large fracture (at 51 ft bgs). Details on the groundwater monitoring results from these wells are provided in Section 3.6.

Once boring advancement and field GC analysis was complete, all three monitoring wells were installed in separate boreholes adjacent to each other. Each well was completed as a two-inch diameter well, constructed of 10 feet of Schedule 40, 0.010-inch (10 slot) PVC screen. The boreholes associated with monitoring wells MW-701A and MW-701B were advanced using a hollow stem auger drilling techniques, with the well screen depths of 5 to 15 feet bgs (water table well MW-701A) and from 25 to 35 feet bgs (deep overburden well, above bedrock interface, MW-701B), respectively. Bedrock monitoring well MW-701C was screened from 50 to 60 feet bgs at an elevation of 232 to 242 feet amsl. A filter pack consisting of No. 2 sand was installed to 2-feet above the top of each well screen and a 2-foot thick hydrated bentonite chip seal was placed above the sand pack. The remainder of the borehole was filled with a high-solids bentonite grout The target well screen interval for the bedrock well was located approximately 15 feet above the final borehole end depth, resulting in the bottom portions of the borehole to be backfilled with a high-solids bentonite grout. All monitoring wells were finished with flush-mounted road boxes set in a concrete pad. Refer to Appendix D for the borings logs for these wells.

On June 6, 2011, each newly installed monitoring well was developed to improve the hydraulic connection with the surrounding aquifer. All purge groundwater was containerized and transported back to the Site to be processed through the groundwater treatment system. Drill cuttings from the boring advancement were transported back to the Site in 55-gallon drums for subsequent off-site transport and disposal. Waste characterization analytical results from the drill cuttings are included as Appendix E. Each of the wells was subsequently surveyed and added to the site plan to evaluate groundwater flow patterns; see Section 3.5 for further details.

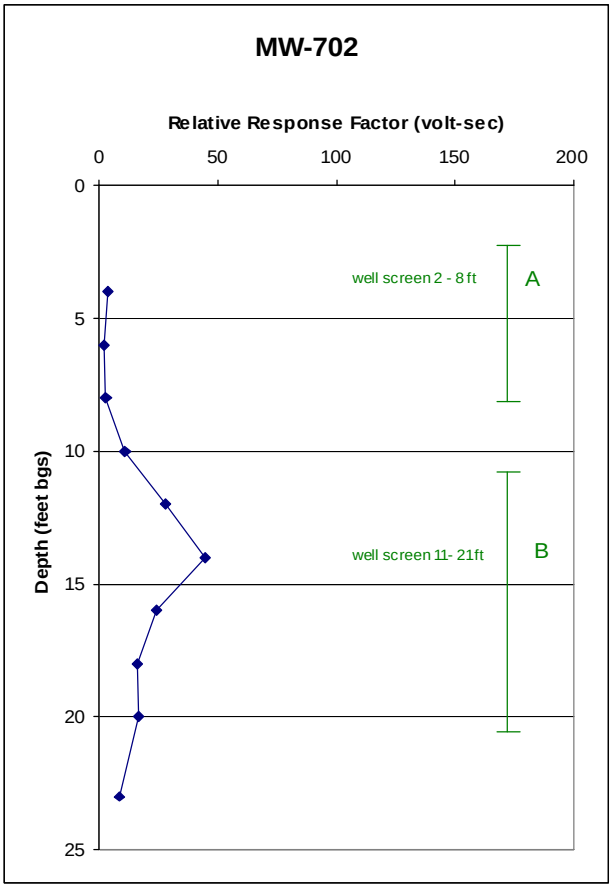
3.4 OFF PROPERTY WETLANDS – MONITORING WELL INSTALLATION

As shown on Figure 3, a large wetland abuts the properties along Augusta Drive and Finance Drive. The eastern edge of the wetland is bounded by a topographic hill which trends in the north-south direction, while localized groundwater flow generally parallels the Still River. Based on the confined aerial extent of the wetlands and the shallow depth to groundwater in the overburden aquifer, the potential groundwater discharge pathway towards the wetland was evaluated as part of this off-property investigation. Based on overburden VOC results associated with groundwater profile location GW-1A/B/C installed in 2001 in the northeast parking area of the current Amphenol property (4 Old Newtown Road), an overburden monitoring well couplet (designated as MW-702 on Figure 2) was installed in the vicinity of this profile location to evaluate current contaminant levels and to evaluate potential discharge to adjacent wetlands. The installation of these overburden wells was conducted in a method consistent with the procedures described for MW-701A/B/C, using a field GC to screen soil and to select a preferential zone for well screen construction.

The MW-702 boring was advanced to the top of bedrock utilizing hollow stem augers. Soil samples were collected in 2-foot intervals to a depth of 25-feet below ground surface (bedrock confirmed from 25 to 27 feet bgs). Each of the soil samples were collected for lithologic description and for field screening via a portable GC. Based on the field screening results, the geologic interval with the highest response factor was selected for the subsequent installation of the deeper overburden well. The other overburden well was screened across the water table surface.

Once boring advancement was complete, monitoring wells MW-702A and B were completed as 2-inch diameter wells within separate boreholes, constructed of 6-foot (MW-702A) and 10-foot (MW-702B) Schedule 40, 0.010-inch (10 slot) PVC screen located at depths of 2 to 8 feet bgs and 11 to 21 feet bgs, respectively. A filter pack consisting of No. 2 sand was installed to 2-feet above the top of the well screen and a 2-foot thick hydrated bentonite chip seal was placed above the sand pack at monitoring well MW-702B. The filter pack was placed at 6-inches above the PVC screen followed by a 6-inch thick hydrated bentonite seal at MW-702A. At MW-702B, the target well screen interval

was located approximately 6-feet above the borehole terminus, resulting in the bottom portions of the borehole to be backfilled with a high-solids bentonite. Both monitoring wells were finished with flush-mounted road boxes set in a concrete pad. Refer to Appendix D for the boring logs.



The plot to the right provides a summary of the field GC results for the overburden soil samples. As discussed above, the field GC provides a relative response factor for each sample that can then be compared vertically within the borehole. Copies of the chromatographs are provided in Appendix C. The field GC results demonstrate that the peak response for this boring location was reported at a depth of 11 to 17 feet bgs. It is noted that the response factor measured at this location was significantly lower than that measured at MW-701, which was further confirmed with the results of the groundwater monitoring (Section 3.6). As such, the deeper overburden well screen was placed at this peak area, screened from 11 to 21 feet bgs, and the water table well screen was installed from 2 to 8 feet. Details on the groundwater monitoring results from these wells are provided in Section 3.6.

On June 6, 2011, both newly installed monitoring wells were developed to improve the hydraulic connection with the surrounding aquifer. All purge groundwater was containerized and transported back to the Site to be processed through the groundwater treatment system. Drill cuttings from the boring advancement were transported back to the Site in 55-gallon drums for subsequent off-site transport and disposal. Waste characterization analytical results from the drill cuttings are included as Appendix E. Each of the wells was subsequently surveyed and added to the site plan to evaluate groundwater flow patterns; see Section 3.5 for further details.

3.5 HYDROGEOLOGICAL CONDITIONS

While typically conducted annually in September as part of the CA750 groundwater monitoring program, the site-wide groundwater gauging event was performed earlier this year to contribute to this off-property evaluation. On August 3, 2011, depth to water was measured at all accessible monitoring and recovery wells at the Site and those off-property wells, where access has been allowed. The wells measured include the six active recovery wells (RW-1 through RW-6), 14 off-site monitoring wells, the two recently replaced piezometers in the Still River, and 34 on-site groundwater monitoring and/or former recovery wells. Water level and elevation data for the 2011 comprehensive event, as well as annual data collected since 2002, are presented on Table 5.

An approximate configuration of the water table surface based on August 2011 measuring event is depicted on Figure 5. As illustrated on this figure, consistent with historical measurements, shallow groundwater generally flows in a northerly direction across the Site from the topographic high south of the facility towards Augusta Drive. As discussed above, groundwater in the immediate vicinity of the Still River (e.g. beneath the river bed) was inferred via the vertical gradients in the piezometers to be discharging into the river. Based on the groundwater elevations at the

measured wells, groundwater flow is to the north along Augusta Drive and/or to the site's groundwater migration control system.

The groundwater elevations measured on 4 Old Newtown Road are consistent with those reported previously by others for this property, with groundwater flow to the north. While some peripheral shallow groundwater along the western portion of the 4 Old Newtown Road property may flow towards the wetlands, the majority of the flow is to the north towards the adjacent industrial/commercial properties along Augusta Drive. This is further demonstrated by the vertical gradient calculation at MW-702A/B of 0.05 ft/ft in a downward direction and not indicative of upwards flow to the wetlands. As also depicted on Figure 5, groundwater contours obtained from the Toppan/Dupont Photomasks Corporation property, which abuts the wetlands on the northern portion of the area, also shows a parallel flow along the wetlands towards the Still River area. This data is important because it suggests that groundwater further downgradient from MW-701 cluster would flow northerly to westerly towards the Still River (and not curving around to Finance Drive).

Subsurface information obtained through the installation of the MW-701 and MW-702 well clusters support a pronounced bedrock depression where bedrock was encountered at a depth of 40-feet bgs and which presumably extends longitudinally along Augusta Drive. This bedrock depth is significantly deeper than the average bedrock depth of 21 feet bgs to the south and east and a depth of approximately 17-feet bgs to the west at location 2ONR-MW1A, adjacent to the Still River. This valley or depression is indicated on the updated bedrock contour map presented as Figure 6. As shown on this figure, bedrock slopes more steeply from the river on the western side of the valley; whereas the slope is more gradually to the east of the valley base.

The bedrock and overburden configuration is additionally depicted on two cross sections presented as Figures 7 and 8. Figure 7 shows the subsurface configuration along the groundwater flow path, in a northerly direction away from the facility and Figure 8 shows a perpendicular view to the groundwater flow path at a section line downgradient from the facility. Both sections depict the bedrock valley or depression downgradient of the facility.

Again the data from the Toppan/Dupont Photomasks Corporation property supports/supplements the bedrock valley discussion. Two cross-sections taken from the Current Conditions Report for that facility (October 1997), as provided in Appendix F, clearly indicate the presence of the bedrock valley to the west of the facility and towards the Still River. Monitoring well MW-7D, installed along Finance Drive as a deep overburden well, did not encounter bedrock during the installation, which was approximately 100 feet below ground surface (MW-7D is located approximately 1,000 feet from the MW-701 cluster). Typically, glacial stream valleys like the Still River, which collect surface drainage from several brooks along its course, deepen and broaden as the stream progresses downstream to its ultimate discharge location.

According to surficial geologic materials mapping in Connecticut, the materials within this valley (in the area of the Site) have been mapped as glacial meltwater deposits with lower aquifer yields and either alluvium materials over fine grained material or sands overlying fine-grained materials. This mapping is consistent with soil samples collected during the drilling of soil borings in the area (i.e., coarse-grained, highly permeable materials are not present within the bedrock valley).

3.6 GROUNDWATER QUALITY

Groundwater samples were collected from the five new wells and four existing shallow monitoring wells located at 4 Old Newtown Road on June 16 and 30, 2011 using low flow methodologies in accordance with the SOPs included in the revised project QAPP and the USEPA Region 1 Low Stress (Low Flow) Purging and Sampling Procedures (USEPA, January 2010). Prior to groundwater sampling, the water level in each of the wells was measured to the nearest 0.01 foot using an electronic water sensing probe.

Purging and sampling of the monitoring wells was conducted using a bladder pump and dedicated tubing until field chemistry parameter measurements stabilized. Flow rates ranged from 160 to 250 ml/min and field chemistry

parameters stabilized as follows: temperature (3% degrees Celsius [3°C] variation), specific conductance (3% mS/cm variation), dissolved oxygen (10% mg/L variation for values greater than 0.5 mg/L), pH (0.1 unit variation), oxidation reduction potential (ORP; ±10 millivolts variation), and turbidity (10% variation if greater than 5 NTUs). Refer to Table 6 for a summary of field chemistry measurements collected just prior to sample collection.

Groundwater samples were analyzed for VOCs via Connecticut Reasonable Confidence Protocols (CT RCPs) method 8260B, total cyanide, and/or 13 priority pollutant metals in accordance with the project QAPP. Following sample collection, groundwater samples were packed and stored on ice and transferred under standard chain of custody procedures by laboratory courier to Alpha Analytical Laboratory of Westborough, Massachusetts. Table 7 provides a summary of the detected VOCs in these wells and a copy of the analytical reports is provided in Appendix G. No concentrations of inorganics were detected above the laboratory's minimum reporting limits in any of the samples; therefore, a summary table has not been prepared. It is noted that monitoring well MS-MW-1, a shallow well located on the western edge of the 4 Old Newtown Road property along Augusta Drive, was inadvertently sampled during this sampling event (not part of the Workplan).

3.6.1 Results – Augusta Drive

As discussed in the conceptual site model for this Site (Section 5), the highest levels of dissolved chlorinated VOCs in on-property groundwater have been detected in the deep overburden and shallow fracture/weathered bedrock, indicating that this zone appears to be the primary transmissive zone for VOC migration in groundwater. The results from the most recent off-property investigation are consistent with this interpretation, as noted by elevated concentrations of VOCs in the deep overburden and bedrock (MW-701B/C) as compared to those in the shallow overburden aquifer (i.e., MW-701A).

The following table presents a summary of total VOC concentrations from several existing wells within a hydraulically downgradient direction - MW-508/508C (on the property line), MW-15M (off-property at the corner of Old Newtown Road and Augusta Drive), and MW-701A/B/C (the most recent wells installed further along Augusta Drive). This data shows that the concentration of total VOCs is highest on the property with decreasing concentrations off property. Residual concentrations of VOCs (TCE in particular) remain in the deeper overburden and bedrock further down gradient from the property. Of note, concentrations of VOCs are lower in the overburden aquifer outside of the bedrock valley at wells locations 2ONR-MW1A and MW-702 A/B, located to the west and east, respectively, of the bedrock valley.

Location	Well ID	Depth to Bedrock (ft bgs)	Well Screen (ft bgs)	Geologic Unit	Total VOCs (mg/l)	TCE
On-property - northern corner of property	MW-508	23	7 - 12	Shallow Overburden	1.3	92%
On-property - northern corner of property	MW-508C	23	34 - 49	Bedrock	10.7	92%
Off- property, across Old Newtown Road	MW-15M	34	12 - 32	Overburden	1.2	91%
Off- property, within Augusta Drive	MW-701A	--	5 - 15	Shallow Overburden	0.45	66%
Off- property, within Augusta Drive	MW-701B	--	25 - 35	Deep Overburden	6.2	83%
Off- property, within Augusta Drive	MW-701C	40	50 - 60	Bedrock	4.1	78%

Notes:
VOC groundwater data from MW-508C and MW-15M from March 2011; MW-508 from September 2010; and the remainder of the wells from June 2011.

This distribution of VOC impacts is further illustrated on Figure 9 which provides a depiction of the deep overburden and bedrock wells on and off the property with their total VOC concentration plotted by color. As shown on the figure, the highest total VOC concentrations are present in the former source areas (former Lagoon area at MW-9 and MFA at RW-108A and RVW-104). Concentrations reduce with distance from the source area and consistent with the presence of the bedrock valley along Augusta Drive, with low concentrations to the west in MW-14 and 2ONR-MW1A and reduced concentrations to the east in MW-702B.

3.6.2 Results – Off-Property Wetland Area – 4 Old Newtown Road

Groundwater samples from the two new wells and three existing wells on the northeast side of the 4 Old Newtown Road building were collected for VOC and inorganic analyses. No concentrations of inorganics were detected above the laboratory's minimum reporting limits in any of these samples. Select VOCs were detected in these samples, but at concentrations well lower than those detected in the MW-701 well cluster and from wells located on the property. Refer to Table 7 for a summary of the results. The deeper overburden well (MW-702B) detected higher concentrations than the shallow water table well (MW-702A). As discussed in Section 6, all reported concentrations were below applicable RSR criteria and the CT WQS for aquatic life.

4. QUALITY ASSURANCE/ QUALITY CONTROL EVALUATION

A data quality review was performed to confirm that the data generated during the off property investigation are of known and appropriate quality. The data quality review was performed in consideration of the CTDEEPs RCP. The RCPs are analytical procedures that include specific laboratory quality assurance and quality control (QA/QC) criteria that produce analytical data of known and documented quality. As part of this process, quality indicators were used to evaluate sample collection and measurement error. These indicators have been examined in the context of the intended use of the data, and an overall assessment of the data for use in making sound technical decisions regarding data quality and usability.

The data usability assessment includes a field component and an analytical component. The field component evaluates the sampling method, sample preservation, sampling handling, and holding times to establish compliance with the applicable methods and protocols and thereby confirming that the samples analyzed at the laboratory are representative of the sample data point. The analytical data usability assessment is used to evaluate whether the analytical data points are of known and documented quality. The data usability assessment completed for the June off-property groundwater sampling event and the off-property surface water and sediment sampling event are presented in the following subsections.

In summary, the data usability assessment indicates that the reported results are suitable for their intended use, with the stated qualifiers. For a copy of the laboratory and data validation reports, refer to Appendix G (groundwater) and Appendix B (surface water and sediment).

4.1 GROUNDWATER

4.1.1 Field Quality Control Assessment

A review of the applicable field quality control elements was performed for the groundwater samples collected on June 16 and 30, 2011 as part of the off-property monitoring event. Sample containers were packed with ice in coolers immediately after collection and labeling and were accompanied by complete chain-of-custody forms from the time of sample collection until laboratory delivery. Chemical preservation was appropriately performed for all samples and intact sample containers were received by the analytical laboratory at temperatures of 2.2°C and 3.6°C. The samples were extracted (i.e. VOCs), digested (i.e., total metals, total cyanide), and analyzed within the allowable holding times.

One field duplicate pair was collected during the sampling event to access precision of the measurement system including sampling, handling, shipping, storage, preparation and analysis by calculation of the RPD between the pair results. Sample MW-50 was collected as a field duplicate of monitoring well MW-702A. Positive results were calculated for the following compounds: TCE and 1,1,2-trichloro-1,2,2-trifluoroethane. The RPD values were acceptable for all compounds (<30%); therefore, no qualifications were applied. RPDs were not calculated for cyanide or metals as these compounds were not detected in neither the primary nor duplicate samples.

One equipment blank (MW-90) was collected after field equipment decontamination to assess the adequacy of that procedure. The VOC equipment blank sample, MW-90, associated with the bladder pump, was non-detect for all VOC analytes with the following exceptions: benzene (0.69 µg/L) and toluene (3.1 µg/L). However, since these compounds were not detected in the associated samples, no qualifications to the laboratory data were applied. Cyanide was detected at a concentration of 0.005 mg/L in the equipment blank sample (MW-90); however, since cyanide was not detected in any of the associated samples, no qualifications were applied to the laboratory data. Metal's field blank sample MW-90 was non-detect for all target analytes; therefore, no qualifications were applied.

Due to the sampling of only one well on June 30, 2011, no equipment blank was collected from the pump used to sample monitoring well MW-7. A trip blank was inadvertently not submitted for analysis.

4.1.2 Analytical Quality Control Assessment

An analytical data usability assessment was completed for the nine primary groundwater samples and associated QA/QC samples. The first step in the analytical data usability assessment was to review the data set to determine whether the data achieved "Reasonable Confidence." The RCP requires the analytical laboratory to provide an Analytical Report Certification for each set of samples submitted for analysis. Each of the Laboratory Analysis QA/QC Certification Forms was reviewed for compliance with the Reasonable Confidence requirements. This report includes the following Analytical Report from Alpha Analytical Laboratories:

L1108823 and L1109724

The Analytical Report Certification review indicated that the data set met the Reasonable Confidence required; however, certain QA/QC performance standards (question #4 of the RCP QA/QC Certification Form) were not met for samples in either data package, thereby requiring review of the performance criteria for individual samples to assess the usability of the data in question. These non-conformances were detailed in the narratives and further documented in the individual data validation project summary (refer to Appendix G). No data were rejected as a result of the non-conformance.

The Analytical Report Certification review also indicated that the requested reporting limits were not met (question #5b of the RCP QA/QC Certification Form) for samples in the data packages. The results were reviewed and were determined to not sufficiently affect the quality of the data.

The Analytical Report Certification review also indicated the results for all constituents identified in the method-specific analyte lists (i.e., metals) presented in the RCP documents were not reported (question #6 of the RCP QA/QC Certification Form). The analysis of select metals, rather than the full suites of RCP metals, was based on the prior work at the site and the approved project QAPP. Therefore, evaluation of only a subset of the RCP metals in the samples was appropriate to meet the specific data quality objectives of the off-property analysis sampling activities.

Finally, the Analytical Report Certification review indicated that the project-specific matrix spikes and laboratory duplicates were not included in this data set (question #7 of the RCP QA/QC Certification Form).

4.1.3 Evaluation of PARCCS Parameters

The precision, accuracy, representativeness, completeness, comparability, and sensitivity (PARCCS) parameter evaluation included an assessment of the parameters and QA/QC samples as they affect the usability of the sample results.

<u>Precision</u>

Precision is a measure of mutual agreement between concentrations of samples collected at the same time from the same location. Precision is measured by performing duplicate measurements in the field or laboratory and is expressed in terms of RPD. Precision was evaluated quantitatively using laboratory and field duplicates. Analytical precision was also evaluated by comparing laboratory duplicate samples and the RPDs for MS/MSD analyses.

Comparison of laboratory duplicates and the %RPD for MS/MSD samples are used to assess analytical precision associated with the report. RPDs for primary and duplicate samples for groundwater met acceptance criteria (<30%), indicating good sample homogeneity. No site specific MS/MSDs were collected for VOCs, cyanide, or metals; therefore, RPDs for these samples could not be calculated.

Accuracy

Accuracy is a measure of agreement between results obtained from an analytical method compared with known values. The accuracy of laboratory analytical procedures is generally measured through a review of calibration, MS, and LCS results. A site-specific MS/MSD was not performed during this sampling period; therefore, no qualifications were applied.

The LCS/LCSD met acceptance criteria for metals and cyanide. However, five VOC compounds (chloromethane, dichlorodifluoromethane, 1,2-dichloro-3-propane, 1,3-dichloropropene, and n-butylbenzene) did not meet acceptance criteria. These compounds were detected at values less than the reporting limit (biased low), with samples from the following locations affected by a "UJL" qualifier (non-detect, biased low): chloromethane and dichlorodifluoromethane for all samples except for MW-7, and 1,3-dichloropropene and n-butylbenzene for MW-7. Details on the types and locations of the LCS/LCSD detections are provided in the data validation summary at the end of Appendix G.

Representativeness

Representativeness expresses the degree to which data accurately and precisely represent a characteristic of a population, parameter, or environmental condition. The overall representativeness of the data was evaluated quantitatively using site information and historical sampling data. During the off-property evaluation sampling event, one bladder pump was used to collect groundwater samples. With the exception of one location (MW-7), samples from all monitoring wells were collected on June 16, 2011. Monitoring well MW-7 was sampled on June 30, 2011.

All groundwater samples continued to be collected in accordance with USEPA Low Stress (Low Flow) Purging and Sampling Procedures for the Collection of Groundwater Samples from Monitoring Wells (January 2010). The wells that were part of the off-property evaluation sampling event included both newly installed monitoring wells that had not previously been sampled and existing shallow wells installed by others. Sampling results were generally consistent with concentrations of anticipated constituents detected at monitoring wells located at the Site and surrounding vicinity.

Representativeness was also evaluated based on the results reported for laboratory method blanks. No blank issues were identified for any of the groundwater samples, therefore no qualifications were applied. Representativeness of the data was also evaluated based on sample preservation and holding times. All samples were adequately preserved and no holding times were exceeded.

Based on a review of established standard methods and procedures for collection and analysis of data, the data collected as part of the off-property evaluation sampling event is considered to be of comparable quality over the entire sampling period as well as to other sampling events (e.g., annual monitoring) that occurs as part of OM&M activities at the Site.

Completeness

Completeness is a measure of the amount of valid data obtained from a measurement system compared to the amount of valid data expected. The completeness goal for the project is 90%. All of the data obtained from groundwater samples collected during the evaluation were determined to be usable data because no data were

rejected during the data quality review. Therefore, the data obtained as part of the off-property evaluation sampling met the completeness goal identified for the project.

Comparability

Comparability is a measure of the degree of confidence with which one data set can be compared to a related set of data. The objective for comparability is to ensure the comparability of results from each sampling event performed. As this is the first sampling event that these wells were included in, there is not another data set for which results can be compared. However, the comparability objective for this project is attained by:

- Using standard sampling methodologies, such as USEPA Region 1 Low Stress/Low Flow Purging and Sampling Procedure for the Collection of Groundwater Samples from Monitoring Wells (January 19, 2010);
- Using the same off-site laboratory(s) for all sampling events;
- Reporting results from similar matrices in consistent and generally accepted units; and
- Applying appropriate levels of QC within the context of the Laboratory Quality Assurance.

Sensitivity

Sensitivity is the ability of a method or instrument to detect the constituent of concern and other target analytes at the levels of interest. Method and instrument sensitivity may be evaluated through calibration standards, laboratory fortified blanks, instrument detection limit studies and/or MDL studies. The data quality review did not indicate any issues relating to matrix interference.

The data quality review did identify that TCE in the undiluted analysis of sample MW-701A was qualified "E" by the laboratory to indicate that the compound concentration exceeded the upper calibration limit. The sample was re-analyzed at a 10-fold dilution and the result for TCE was within the calibration range.

4.1.4 Conclusions

The primary objective (or end uses) for the groundwater sampling event was to collect sufficient, accurate, and reliable data in support of the off-property investigation. Based on the data quality assessment, the objectives have been achieved and thus the data collected as part of the off property groundwater sampling event are considered to be "suitable" for its intended use in satisfying the project objectives.

4.2 SURFACE WATER AND SEDIMENT

4.2.1 Field Quality Control Assessment

A review of the applicable field quality control elements was performed for the surface water samples collected on July 29, 2011 as part of the off-property monitoring event. Sample containers were packed with ice in coolers immediately after collection and labeling and were accompanied by complete chain-of-custody forms from the time of sample collection until laboratory delivery. Chemical preservation was appropriately performed for all samples and intact sample containers were received by the analytical laboratory at temperatures of 2.8°C. The samples were extracted (i.e. VOCs), digested (i.e., total metals, total cyanide), and analyzed within the allowable holding times.

One trip blank (TRIP BLANK) accompanied site samples for both surface water and sediment collected on July 29, 2011. The sample was analyzed for VOCs to assist in the assessment of field accuracy and to measure "false positive" contamination during sample acquisition and/or storage. No analytes were detected in the trip blank; therefore, no qualifications were applied to the samples.

Two field duplicate pairs were collected during the sampling event to access precision of the measurement system, including sampling, handling, shipping, storage, preparation and analysis by calculation of the RPD between the pair results. Sample SR-SED-50 was collected as a field duplicate of sediment sample SR-SED-01 and sample SR-SW-50 was collected as a field duplicate of surface water sample SR-SW-01. Refer to the discussion on precision in Section 4.2.3 for a discussion on RPD values.

No equipment blanks were collected during the surface water and sediment sampling event as dedicated transfer vessels and equipment were used at each location.

4.2.2 Analytical Quality Control Assessment

An analytical data usability assessment was completed for the three primary sediment samples, the three primary surface water samples, and the associated QA/QC samples. The first step in the analytical data usability assessment was to review the data set to determine whether the data achieved "Reasonable Confidence." The RCP requires the analytical laboratory to provide an Analytical Report Certification for each set of samples submitted for analysis. The Laboratory Analysis QA/QC Certification Forms was reviewed for compliance with the Reasonable Confidence requirements. This report includes the following analytical report from Alpha Analytical Laboratories:

L1111608

The Analytical Report Certification review indicated that the data set met the Reasonable Confidence required; however, certain QA/QC performance standards (question #4 of the RCP QA/QC Certification Form) were not met for samples in the data package; thereby requiring review of the performance criteria for individual samples to assess the usability of the data in question. These non-conformances were detailed in the narratives and further documented in the individual data validation project summary (refer to Appendix B). No data were rejected as a result of the non-conformance.

The Analytical Report Certification review also indicated that the requested reporting limits were not met (question #5b of the RCP QA/QC Certification Form) for samples in the data packages. The results were reviewed and were determined to not sufficiently affect the quality of the data.

The Analytical Report Certification review also indicated the results for all constituents identified in the method-specific analyte lists (i.e., metals) presented in the RCP documents were not reported (question #6 of the RCP QA/QC Certification Form). The analysis of select metals, rather than the full suites of RCP metals, was based on the prior work at the site and the approved project QAPP. Therefore, evaluation of only a subset of the RCP metals in the samples was appropriate to meet the specific data quality objectives of the off-property analysis sampling activities.

4.2.3 Evaluation of PARCCS Parameters

The precision, accuracy, representativeness, completeness, comparability, and sensitivity (PARCCS) parameter evaluation included an assessment of the parameters and QA/QC samples as they affect the usability of the sample results.

Precision

Precision is a measure of mutual agreement between concentrations of samples collected at the same time from the same location. Precision is measured by performing duplicate measurements in the field or laboratory and is expressed in terms of RPD. Precision was evaluated quantitatively using laboratory and field duplicates. Analytical precision was also evaluated by comparing laboratory duplicate samples and the RPDs for MS/MSD analyses.

For sediment samples, comparison of laboratory duplicates and the % RPD for primary and duplicate samples were used to assess analytical precision associated with the report. Sample SR-SED-50 was collected as a field duplicate of sediment sample SR-SED-01. No positive results for any VOC compounds were detected in either sample. Metals field duplicate samples for sediment had detected results for all target analytes except silver. The RPD values were acceptable for all compounds (< 50%) with the exception of arsenic (67%), lead (58%), mercury (129%) and selenium (114%). As a result, the detected arsenic, lead, mercury, and selenium results in sediment samples SR-SED-01, SR-SED-02, SR-SED-REF-01 and SR-SED-50 were estimated (JK) with an unknown bias. The remaining samples which met the acceptable RPD criteria indicates good sample homogeneity between primary and duplicate field samples.

Sample SR-SW-50 was collected as a field duplicate of surface water sample SR-SW-01. No positive results for any VOC compounds were detected in either sample. Metals field duplicate samples for surface water had detected results for arsenic, copper, nickel, and zinc. The RPD values were acceptable for all compounds (<30%) indicating good sample homogeneity; therefore, no qualifications were applied. RPD values were not calculated for cyanide in either surface water or sediment as all concentrations were non-detect. As a result, no qualifications were applied.

Accuracy

Accuracy is a measure of agreement between results obtained from an analytical method compared with known values. The accuracy of laboratory analytical procedures is generally measured through a review of calibration, matrix spike (MS), and laboratory control samples (LCS) results. During this sampling event, a site-specific MS/MSD sample was not specifically submitted on the chain of custody. However, the laboratory performed an MS/MSD on both sediment sample SR-SED-01 and surface water sample SR-SW-01. Results indicated that the ICP metals MS (which does not include analyzing for mercury) performed on sediment sample SR-SED-01 and surface water sample SR-SW-REF-01 met acceptance criteria (75-125%) with the exception of antimony (57%) in the MS of sediment sample SR-SED-01. The detected antimony results in all sediment samples were estimated (JL) with a low bias.

The mercury MS performed on sediment sample SR-SED-01 and surface water sample SR-SW-REF-01 met acceptance criteria. The metals LCS met acceptance criteria, with no qualifications being applied. No VOC or cyanide MS was performed on a sample from this analytical package. The VOC LCS met acceptance criteria with the exception of acetone; all sediment samples and the trip blank were affected. However, because the samples were all non-detect for acetone, no qualifications were applied.

Representativeness

Representativeness expresses the degree to which data accurately and precisely represent a characteristic of a population, parameter, or environmental condition. The overall representativeness of the data was evaluated quantitatively using site information and historical sampling data. During the off-property evaluation surface water and sediment sampling event, individual sampling equipment was used to collect sediment samples and dedicated transfer vessels were used to collect surface water samples, therefore decontamination between sampling locations was not required. All surface water and sediment samples continue to be collected in accordance with W&C's surface water and sediment sampling standard operating procedures (SOPs) and the project QAPP.

Representativeness is also evaluated based on the results reported for laboratory method blanks. No blank issues were identified for any of the surface water or sediment samples, therefore no qualifications were applied. Representativeness of the data was also evaluated based on sample preservation and holding times. All samples were adequately preserved and no holding times were exceeded. Based on a review of established standard methods and procedures for collection and analysis of data, the data collected as part of the off-property evaluation surface water and sediment sampling event is considered to be of comparable quality over the sampling period.

Completeness

Completeness is a measure of the amount of valid data obtained from a measurement system compared to the amount of valid data expected. The completeness goal for the project is 90%. All of the data obtained from both surface water and sediment samples collected during the evaluation were determined to be usable data because no data were rejected during the data quality review. Therefore, the data obtained as part of the off-property evaluation sampling met the completeness goal identified for the project.

Comparability

Comparability is a measure of the degree of confidence with which one data set can be compared to a related set of data. The objective for comparability is to ensure the comparability of results from each sampling event performed. As this is the first sampling event that these surface water and sediment locations were included in, there is not another data set for which the results can be compared. However, the comparability objective for this project is attained by:

- Using standard sampling methodologies for both surface water and sediment as specified by the Woodard & Curran SOPs provided in the QAPP;
- Using the same off-site laboratory(s) for all sampling events;
- Reporting results from similar matrices in consistent and generally accepted units; and
- Applying appropriate levels of QC within the context of the Laboratory Quality Assurance.

Sensitivity

Sensitivity is the ability of a method or instrument to detect the constituent of concern and other target analytes at the levels of interest. Method and instrument sensitivity may be evaluated through calibration standards, laboratory fortified blanks, instrument detection limit studies and/or MDL studies.

The data quality review did identify that detection limits were raised for all analytes in sediment samples due to dilutions performed because of the concentrations of target analytes and/or due to the sample matrix. However, the review did not indicate that any of the data should be qualified.

4.2.4 Conclusions

The primary objective (or end uses) for the sediment and surface water sampling event was to collect sufficient, accurate, and reliable data in support of the off-property investigation. Based on the data quality assessment, the objectives have been achieved and thus the data collected as part of the off property sediment and surface water sampling event are considered to be “suitable” for its intended use in satisfying the project objectives.

5. UPDATED CONCEPTUAL SITE MODEL

The former Risdon Danbury facility manufactured cosmetic containers for approximately 50 years (from 1956 to 2005). As part of operations, chlorinated solvents and metals were used and wastes generated. Based on investigation activities previously completed across the facility, subsurface soils, soil vapor, and groundwater have been impacted by past releases of chlorinated VOCs and metals at two separate areas on the facility.

One area is in the vicinity of the former Lagoon Area AOC, which was the location of two former surface impoundments along the western portion of the facility and used for the dewatering of metal hydroxide process wastes from approximately 1956 to 1982. The impoundments were closed by sludge/soil excavation and off-site disposal in 1982. Following the removal of lagoon soils, the area was backfilled with clean fill and re-seeded during the 1980's. The area was later paved with bituminous asphalt and turned into a parking lot for facility workers. Investigation activities were initiated as part of the closure activities (1981) and have been on-going since that time. Analytical results associated with these investigation activities confirmed the presence of subsurface VOC impacts in the vicinity of the Lagoon Area. In 1990, an ICM, consisting of groundwater extraction and treatment to remove and prevent the migration of VOC contaminated groundwater from the lagoon area and AS/VE to remove adsorbed phase VOCs from saturated soils, was implemented in this area. The groundwater extraction system (recovery wells RW-1 through RW-3) has been operational since 1990; however, the AS component of the ICM was never operated at its full capacity and has not been in operation since 1995. In 2005, as part of a property line hydraulic containment groundwater extraction system, the existing recovery wells were rehabilitated and tied into a larger system, which included a new groundwater treatment system and building.

The second area, referred to as the former MFA, is located inside the southern portion of the site building. Releases of chlorinated VOCs and metals from several degreasers and process/plating lines occurred in this area. In 1993, an ICM, consisting of dual groundwater and soil vapor extraction and treatment, was implemented inside the building. The system was installed as a source removal mechanism and to contain/prevent the migration of contaminants from the source area via groundwater flow. As part of the property line groundwater migration control treatment system, three additional recovery wells were installed along the northeastern property boundary downgradient of the MFA in 2005. Collected groundwater is treated and discharged to the City's sanitary sewer system. At this time and given the facility was shut down, the existing MFA ICM, which incorporated the facility's wastewater treatment system, was shut-down.

In 2008, as part of the on-property Remedial Action, a sub-slab vapor control system was installed beneath the building and currently operates continuously, twenty-four hours a day. Vapor extraction blowers and a series of sub-slab extraction points create a negative pressure field beneath the slab and VOC vapors are caught in this advective sweep, collected and piped to the rooftop for discharge to the outside atmosphere. In addition to preventing the migration of VOCs into the building, the system also facilitates the removal of contaminant mass from the subsurface.

In general, there are two interconnected aquifer systems in the vicinity of the Site. An upper unconfined aquifer is comprised of glacio-lacustrine deposits and a lower aquifer occurs in the upper fractured portions of the bedrock. Overall, the gradients indicate that groundwater predominantly flows in a horizontal direction with a slight downward component from the overburden to the shallow bedrock. Groundwater at the Site is classified as GB, and generally, flows from south to north from a topographic high located behind the facility towards the bedrock valley in the vicinity of Augusta Drive. Water level measurements recorded while the treatment system has been operating indicate that groundwater extraction wells located along the downgradient edge of the property continue to provide hydraulic containment and effectively limit the migration of impacted groundwater from past site operations off of the property.

Downgradient of the facility, some limited shallow groundwater may discharge to the river and large wetlands northeast of the facility, however, the majority of site/area groundwater flow is northerly in the direction of the surface

water flow of the Still River. Groundwater contours obtained from the Toppan/Dupont Photomasks Corporation property, which abuts the wetlands on the northern portion of the area, also show a parallel flow along the wetlands towards the Still River area. This data is important because it suggests that groundwater further downgradient from MW-701 cluster would flow northerly to westerly towards the Still River (and not easterly curving around to Finance Drive).

The predominant constituents of concern detected in groundwater across the Site are chlorinated VOCs and inorganics. With respect to the chlorinated VOCs, 1,1,1-Trichloroethane (1,1,1-TCA) and TCE have been detected at the greatest frequency and at the highest concentrations in groundwater. These compounds were reportedly used at the facility as degreasing agents. In addition to these two chlorinated VOCs, typical degradation and/or related products of these VOCs, including Tetrachloroethene (PCE), cis-1,2-Dichloroethene (cis-1,2-DCE), 1,1-Dichloroethene (1,1-DCE), and 1,1-Dichloroethane (1,1-DCA), have also been detected frequently and at higher concentrations than other VOCs. The highest levels of chlorinated VOCs have been detected in the deep overburden and shallow, fractured/weathered bedrock, indicating that this layer appears to be the primary pathway for VOC migration in groundwater.

Similar to years past, the results of the most recent semi-annual groundwater monitoring events (March 2011 and September 2010) support an overall decreasing trend of contaminant levels in groundwater across the Site since monitoring began in the late 1980's / early 1990's. In addition, notable decreases in VOC concentrations within the past few years have been observed in the vicinity and immediately downgradient of the former Lagoon Area. Although current levels of inorganics and VOCs along the downgradient property boundary remain above the surface water protection criteria (SWPC) in select wells, concentrations have declined over time and the number of locations with an exceedence has decreased as well.

Groundwater impacts, primarily VOCs, have also been observed in areas hydraulically downgradient of the facility. The higher concentrations of VOCs, notably TCE, have been detected within the deep overburden / shallow bedrock zone associated with the longitudinally-trending bedrock valley along Augusta Drive. Subsurface information obtained through the recent installation of the MW-701 and MW-702 well clusters support a pronounced bedrock depression where bedrock was encountered at a depth of 40-feet bgs and which presumably extends longitudinally along Augusta Drive. This bedrock depth is significantly deeper than the average bedrock depth of 21 feet bgs to the south and east and a depth of approximately 17-feet bgs to the west at location 2ONR-MW1A, adjacent to the Still River.

Again the data from the Toppan/Dupont Photomasks Corporation property supports/supplements the bedrock valley discussion. Cross-sections from this facility clearly indicate the presence of the bedrock valley to the west of the facility and towards the Still River. Monitoring well MW-7D, installed along Finance Drive as a deep overburden well, did not encounter bedrock during the installation, which was approximately 100 feet below ground surface (MW-7D is located approximately 1,000 feet from the MW-701 cluster). Typically, glacial stream valleys like the Still River, which collect surface drainage from several brooks along its course, deepen and broaden as the stream progresses downstream to its ultimate discharge location. Of note, TCE was detected in groundwater samples from MW-7D in the early 1990s (data more recent than 1993 was not available). The latest sample (1993) indicated a TCE concentration of 150 ug/l in MW-7D (deep overburden) with much lower TCE concentrations reported for the shallow water table well (MW-7S, 20 ug/l) at this location. These concentrations are much lower than observed in the MW-701 well cluster.

According to surficial geologic materials mapping in Connecticut, the materials within this valley (in the area of the Site) have been mapped as glacial meltwater deposits with lower aquifer yields and either alluvium materials over fine grained material or sands overlying fine-grained materials. This mapping is consistent with soil samples collected during the drilling of soil borings in the area (i.e., coarse-grained, highly permeable materials are not present within the bedrock valley in the area of the Site).

With regard to the presence of VOCs beyond the MW-701 well cluster, based on regional geological and surface water drainage information, as well as data from the Toppan/Dupont Photomasks Corporation property, it would be anticipated that groundwater would flow parallel to Augusta Drive and the Still River. In addition, the influence of the bedrock/till topographic highs in the vicinity of the Site, notably east of the wetlands (and associated groundwater flow observed on the Toppan/Dupont Photomasks Corporation property), likely influence groundwater flow patterns in this area towards the Still River. It would also be anticipated that further downgradient, the overburden deposits would increase in thickness (depth to bedrock below ground surface increases), which would indicate that the dissolved VOC plume would likely be located at more increased depths below ground surface. This increased depth (with a likely "clean" water lens above) would further separate the plume from potential receptors (volatilization and discharge to surface water).

A conceptual figure depicting the above described conditions (inferred groundwater flow directions due to regional geologic and surface water drainage conditions) is provided as Figure 10. Based on these conditions, a likely migration pathway for the dissolved VOC plume in groundwater is conceptualized and depicted on the figure.

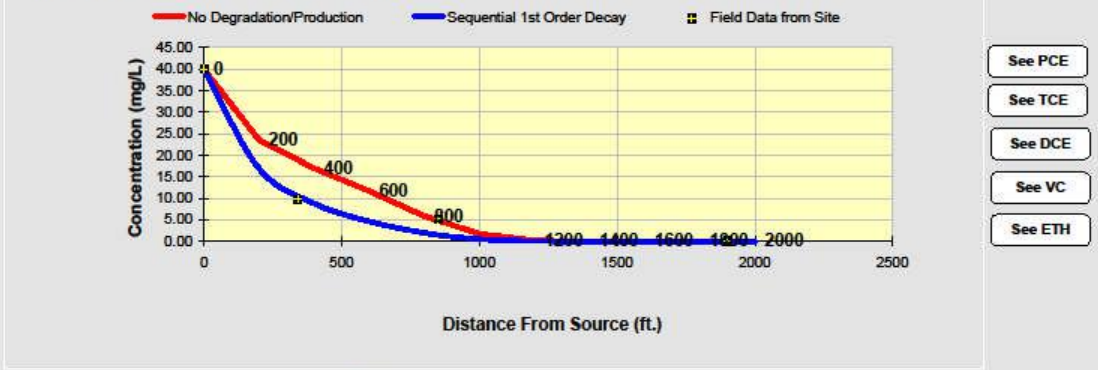
With regard to potential concentrations of VOCs further downgradient along this flow path, the Biochlor Natural Attenuation Decision Support System (Aziz, et al., 2002) was used to aid in predicting select VOC concentrations with distance from the source. Conservative site-specific and literature values were used as input parameters, which are provided in Appendix H. The main input parameters used in this screening were: 125 feet per year for an estimated groundwater seepage velocity, a constant on-site source concentration of 40 mg/l of TCE (on-site, based on groundwater data from MFA well RW-108A), and literature values for 1st order decay coefficients based on limited electron donor availability. Actual TCE concentrations from RW-108A (source area well), MW-508C (340 feet from the source), and MW-701B (850 feet from the source) were used to plot against predicted concentrations over distance.

The predicted TCE concentrations with distance are provided on the graph and table below. As indicated on this graph, the actual concentrations generally match to the predicted TCE concentrations without degradation. The predicted concentrations with biotransformation were lower; however, it has not been determined through site information if there are the necessary subsurface conditions to support this biodegradation. Of note, the predicted concentration at MW-508C (without degradation) is much higher than the actual concentration, which may be attributable to the groundwater extraction system adjacent to this well (mass removal not accounted for in the model). This pattern was also observed for PCE concentrations (see second graph below).

With regard to potential receptors and impacts for this deeper dissolved VOC plume, the Biochlor model indicates that the VOC concentrations would decrease to levels below the SWPC at distances of approximately 1,000 feet (TCE) or 1,100 feet (PCE) from the source. As shown on Figure 10, this distance is reached prior to encountering the Still River, which is located approximately 2,300 feet from the source.

DISSOLVED CHLORINATED SOLVENT CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

TCE	Distance from Source (ft)										
	0	200	400	600	800	1000	1200	1400	1600	1800	2000
No Degradation	40.000	23.595	16.982	11.678	5.867	1.750	0.213	0.015	0.001	0.000	0.000
Biotransformation	40.0000	16.981	8.831	4.646	1.956	0.530	0.063	0.004	0.000	0.000	0.000
	Monitoring Well Locations (ft)										
	0	340	850	1900							
Field Data from Site	40.000	9.800	5.200	0.150							



Prepare Animation

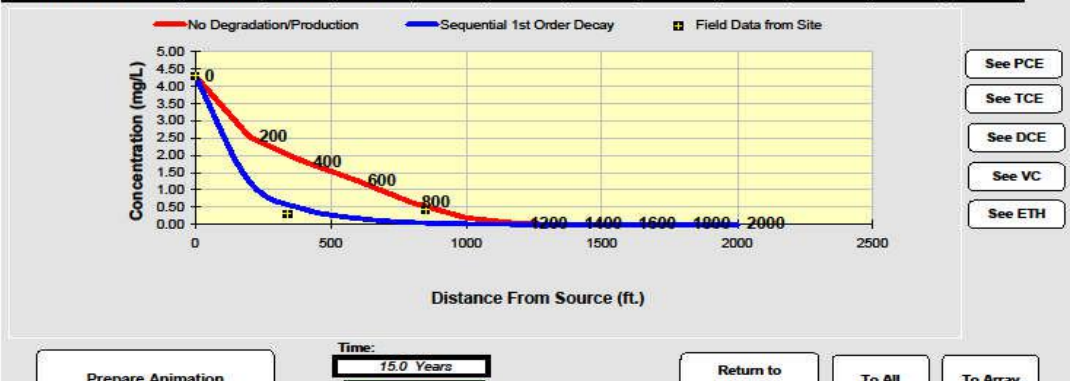
Time: 15.0 Years

Log ⇔ Linear

Return to Input | To All | To Array

DISSOLVED CHLORINATED SOLVENT CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

PCE	Distance from Source (ft)										
	0	200	400	600	800	1000	1200	1400	1600	1800	2000
No Degradation	4.300	2.537	1.826	1.255	0.631	0.188	0.023	0.002	0.000	0.000	0.000
Biotransformation	4.3000	1.238	0.447	0.172	0.058	0.012	0.002	0.000	0.000	0.000	0.000
	Monitoring Well Locations (ft)										
	0	340	850	1900							
Field Data from Site	4.300	0.300	0.430								



Prepare Animation

Time: 15.0 Years

Log ⇔ Linear

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6. RSR EVALUATION AND PRELIMINARY ECOLOGICAL SCREENING

6.1 RSR EVALUATION

Analytical data collected as part of this off-property investigation included groundwater, sediment, and surface water. The surface water and sediment data is discussed in the following section in the context of preliminary ecological screening.

The groundwater data has been compared to applicable RSR criteria. For off-property groundwater at the available locations analyzed as part of this evaluation, the applicable RSR criteria includes the SWPC and the Industrial/Commercial Groundwater Volatilization Criteria (I/C GWVC). In addition, while the area is industrial/commercial in use, the Residential GWVC is included for discussion for all locations except 4 Old Newtown Road since an ELUR was filed on April 25, 2008 restricting residential use of this property.

6.1.1 Vapor Intrusion

Vapor intrusion into surrounding building structures has been a potential project concern due to the presence of VOCs in groundwater. Given the migration pathway associated with vapor intrusion from groundwater sources, the wells screened across the water table surface were used in the GWVC evaluation/comparisons. Seven off-property wells were recently sampled (in 2011) and all results indicated that concentrations of VOCs were not detected above the applicable GWVC, as discussed below.

With regard to the 4 Old Newtown Road property, all VOCs within shallow wells were below the I/C GWVC volatilization criteria. Although the GWVC is not directly applicable to the area of MW-701A because no structures could be constructed at this location (installed within Augusta Drive), the data from the water table well at this location was compared to the volatilization criteria (both residential and I/C). The concentration of 1,1-DCE exceeded the residential (as well as I/C) criteria during the June 2011 round. It is noted that this concentration did not exceed CTDEEP's 2003 proposed volatilization criteria for 1,1-DCE.

With regard to the two nearby residences (2 Broad Street and 2 Old Newtown Road), in December 2003, EPA concluded that based on a review of all available data, the facility achieved the Environmental Indicator (EI) *CA 725 Current Human Exposures Under Control*. As part of this determination, vapor control measures were implemented in the two residences to eliminate potential migration pathways from the subsurface to indoor air. While operational, the vapor reduction systems effectively create an advective "sweep" beneath the basement floor and mitigate the vapor intrusion pathway. Vacuum and indoor air measurements have been and continue to be collected to monitor the system's performance.

Given these findings, further evaluation of vapor intrusion effects at the subject off-property areas are not warranted.

6.1.2 Surface Water Protection Criteria

With respect to the SWPC, the specific remedial action objective is to prevent migration of groundwater to surface water at concentrations in excess of the SWPC. For general comparison purposes, the recent inorganic data (March 2011 site data) from wells along the property boundary were screened against the SWPC standards. An exceedence of the SWPC was detected in five of the property line boundary and/or off-property wells from which samples were submitted for inorganic analysis (MW-3, MW-11, MW-113, MW-601B and MW-15M). Inorganics detected above the SWPC include cyanide (MW-15M), copper (MW-3, MW-113, 601B), nickel (MW-113), and zinc (MW-113 and MW-601B). The presence of copper (MW-11) and arsenic, beryllium, and lead (MW-113) have fluctuated above and below the standard over the past five years. This is consistent with historical monitoring events, with the highest

concentrations of inorganics (primarily copper, nickel and zinc) detected downgradient of the former MFA (at wells MW-601B and MW-113) and the highest concentration of cyanide detected at MW-15M.

A review of the recently collected off-property analytical data (from further dowgradient wells) indicates that concentrations of all inorganics were below the SWPC.

Based on the March 2011 data, an exceedence of the SWPC was measured in one of the six property boundary and/or off-property wells sampled for VOCs (at MW-508C), with exceedences of 1,1-DCE, TCE, and PCE. No exceedences of the SWPC were detected in the three monitoring wells installed closest to the Still River (MW-14, MW-15M, and 2ONR-MW-1A).

A review of the recently collected off-property analytical data (from further downgradient wells) indicates that concentrations of 1,1-DCE, PCE, and TCE were detected in the deep overburden and bedrock wells MW-701 B and C (Augusta Drive) in excess of the SWPC, but no exceedences were detected in the shallow overburden well (MW-701A). No concentrations of VOCs were detected in either shallow or deeper overburden wells MW-702 A/B (adjacent to the wetlands) in excess of the SWPC.

6.1.3 Preliminary Ecological Risk Screening

The recently collected sediment and surface water data were compared to previously identified benchmarks and/or criteria from an ecological standpoint, as RSR criteria are not available.

For sediment, concentrations of each of the PP13 list of metals were detected in at least one of the three Still River sampling locations. No VOCs or cyanide were detected in any of the samples collected. Comparison of the two samples collected at and downstream of the outfall to the upstream reference sample demonstrates that the metals were detected at generally the same order of magnitude with some minor variability observed (i.e. antimony and lead were slightly higher in the upgradient reference sample and cadmium higher in SR-SED-01) demonstrating that a site-related release is not evident.

For relative comparison purposes, the metals concentrations were screened against freshwater threshold effect concentrations (TECs) established by MacDonald et al. (2000), which are intended to identify potential constituent concentrations for which harmful effects on sediment-dwelling organisms are unlikely to be observed. The only detection above the screening level was for mercury at sample location SR-SED-01 (furthest downstream location). Mercury is not a constituent of concern in site soil and is not a commonly detected compound in site groundwater (has only been detected at very low levels a few sporadic times over the past 10 years). In addition, mercury was not detected in any of the surface water samples collected at these same sediment locations.

Similar to the sediment results, concentrations of metals were detected at each of the three surface water sample locations. The number of metals detected in surface water was less than that detected in the sediment samples, with only arsenic, cadmium, copper, nickel, and zinc being the only detections in each of the three surface water samples. Concentrations of VOCs and cyanide were not detected in any surface water samples, which is also consistent with the sediment results.

The ranges of detected metals were generally consistent across each of the samples. The surface water data was compared to the CTDEEP Water Quality Criteria (WQC) (Appendix D of the February 25, 2011 Water Quality Standards (WQS)). Arsenic was the only compound detected above the applicable WQC (human health criteria for fish consumption) at all three sampling locations and the concentration of arsenic was consistent across all of the surface water samples collected, including the upgradient reference sample. In addition, arsenic was detected in all of the sediment sample locations, including the upgradient reference sample (which had the highest detected concentration of arsenic in sediment), further demonstrating that the presence of arsenic in the surface water is

attributable to other sources (e.g. upgradient source, naturally occurring soil and bedrock composition and subsequent weathering processes, etc.).

The sediment and surface water analytical data indicates conditions in the River in the vicinity of the storm drain outfall are not impacted at concentrations above applicable screening and water quality criteria as a result of historic wastewater discharges. Although concentrations of metals were detected in both sediment and surface water, the relationship of these results from samples collected downgradient of the storm drain with the upstream reference location does not demonstrate a site-related impact given the number and magnitude of detected metals in the reference samples. VOCs and cyanide were not detected in the sediment and surface water samples. As such, no further evaluation of the River sediment or surface water is proposed.

As part of the off-property receptor and migration pathway evaluation, EPA's Region 1 *Scoping Ecological Checklist* has been completed to assess the effects of off-property groundwater discharge to the adjacent wetland areas and Still River. A copy of this checklist is included in Appendix I. This checklist was designed as a screening tool to help determine whether there is the potential for complete exposure pathways between RCRA facility contaminants and ecological receptors (i.e., plants and wildlife). The checklist has been completed utilizing the available knowledge of groundwater, surface water, and soil impacts at and downgradient of the Site.

Based on the results presented in this report and those previously documented, the preliminary ecological risk screening for surface water and soil concluded that no additional evaluation was necessary at this time for the Still River and the wetlands immediately adjacent to 4 Old Newtown Road.

Soil impacts on the property are covered under the EPA approved on-property remedy (Environmental Land Use Restriction). Analytical sediment and surface water data collected from the Still River demonstrate no site related impacts. In addition, groundwater from wells installed immediately adjacent to the Still River are below the CTDEEP RSRs SWPC. For the wetlands at 4 Old Newtown Road, concentrations in groundwater at location MW-702A are below both the SWPC and the CTDEEP Aquatic WQS.

Therefore, based on the data considered in the checklist, ecological exposure to contaminants at or from the Site is not reasonably expected and further ecological risk assessment does not appear necessary for these two locations, the Still River and the wetlands immediately adjacent to 4 Old Newtown Road.

7. SUMMARY OF CONCLUSIONS

In accordance with the objectives outlined in the Draft Off-Property Investigation Workplan, the initial phase of investigation has been completed and the CSM updated. Both field observations and analytical data have resulted in an increased level of understanding of the nature and extent of off-property impacts, which have in turn been used to facilitate an initial evaluation of potential off-property receptors and migration pathways. The following provides a summary of the conclusions for each of the three main areas evaluated.

7.1 STILL RIVER INVESTIGATION

A series of investigation activities were implemented in the vicinity of the Still River to evaluate the potential conveyance of process water from the former on-property lagoon areas into the River. These activities were initiated based on the absence of historic information regarding the existence of a specific waste drain line or confirmation that the existing storm drain outfall may have received discharges from former on-property operations. The conclusions associated with this investigation are summarized below:

Storm Drain Investigation: The survey data for the storm drain line between the on-property catch basin and the Still River outfall pipe confirmed a 2.7% slope between the two features, which indicates that storm water from the Site drains into the catch basin and to the Still River. It appears this may have been the same drain line that was part of the former lagoon area.

Still River Sediment and Surface Water Sampling: For sediment, concentrations of metals were detected in all three Still River sampling locations. No VOCs or cyanide were detected in any of the samples collected. Comparison of the two samples collected at and downstream of the outfall to the upstream reference sample indicated that the metals were detected at generally the same order of magnitude with some minor variability observed demonstrating that a site-related release is not evident in the current sediment concentrations. The only detection above the sediment screening level was for mercury at sample location SR-SED-01. Mercury is not a COC in site soil and is not a commonly detected compound in site groundwater (has only been detected at very low levels a few times over the past 10 years). In addition, mercury was not detected in any of the surface water samples collected in the same locations.

For surface water, the ranges of detected metals were generally consistent across each of the samples; no VOCs or cyanide were detected. Arsenic was the only compound detected above the applicable WQC (for human health criteria for fish consumption) at all three sampling locations and the concentration of arsenic was consistent across all of the surface water samples collected, including the upgradient reference sample. In addition, arsenic was detected in all of the sediment sample locations, including the upgradient reference sample (which had the highest detected concentration of arsenic in sediment), further demonstrating that the presence of arsenic in the surface water is attributable to other sources (e.g. upgradient source, naturally occurring soil and bedrock composition and subsequent weathering processes, etc.). Therefore, collectively, both sediment and surface water results to date do not demonstrate that concentrations of metals are directly related to past discharges from the Site.

Still River Piezometer Replacement: Two replacement piezometers (PZ-1 and PZ-2) were recently installed and have been incorporated into site-wide gauging network to evaluate localized groundwater-surface water interaction. Shallow groundwater generally flows in a northerly direction across the Site from the topographic high south of the facility towards Augusta Drive. Water surface elevation measurements from within and outside each piezometer indicated upward vertical hydraulic gradients inferring that groundwater flow in the direct vicinity of the River (e.g. beneath the river bed), may discharge to the River.

7.2 AUGUSTA DRIVE INVESTIGATION

Previously collected off-property data in the vicinity of Augusta Drive yielded concentrations of VOCs (predominantly TCE) in the overburden aquifer at select locations (e.g. MW-15M and GW-2A/B). During the advancement of the borings associated with these groundwater monitoring locations, as well as on-site monitoring wells, observations obtained during drilling suggested that a pronounced bedrock depression or valley may exist, providing a preferential conduit for groundwater migration. The proposed investigation approach was selected to determine if groundwater migration was influenced by this valley feature, or alternatively if there were hydrogeologic conditions present which may have facilitated groundwater flow towards the Still River and/or the wetlands behind 4 Old Newtown Road.

To evaluate these conditions, a well cluster was advanced in Augusta Drive to assess the subsurface geologic profile. VOC presence in soils and bedrock groundwater were evaluated in "real-time" using a field GC during boring advancement to select optimal monitoring well screen zones. Subsequent groundwater samples were collected at each well location, and these new wells were gauged during a synoptic groundwater elevation measuring event to assess localized groundwater flow conditions. The following summarizes the conclusions associated with this phase of the off-property investigation:

Bedrock Valley Confirmation: Subsurface information associated with the installation of the MW-701 (and MW-702) well cluster support a pronounced bedrock depression which presumably extends longitudinally along Augusta Drive, where bedrock was encountered at a depth of 40-feet bgs. This bedrock depth is significantly deeper than the average bedrock depth of 21 feet bgs to the south and east, and a depth of approximately 17-feet bgs to the west, adjacent to the Still River.

VOC Distribution: As discussed in the conceptual site model for this Site, the highest levels of dissolved chlorinated VOCs in on-property groundwater have been detected in the deep overburden and shallow fracture/weathered bedrock, indicating that this zone appears to be the primary transmissive zone for VOC migration in groundwater. The results associated with the MW-701 well cluster are consistent with this interpretation, as noted in the field screening results (vertical profiling data) and confirmed with higher concentrations of VOCs detected in the deep overburden and bedrock (MW-701B/C) as compared to those in the shallower water table aquifer (i.e., MW-701A).

RSR Comparison: For general comparison purposes, a review of the recently collected groundwater data indicates that concentrations of 1,1-DCE, PCE, and TCE were detected in the deep overburden and bedrock wells MW-701 B and C in excess of the SWPC, but no exceedences were detected in the shallow overburden well (MW-701A). Although the volatilization criteria is not directly applicable to the area of MW-701A because no structures could be constructed at this location (installed within Augusta Drive), the data from the water table well at this location was compared to the volatilization criteria (both residential and I/C). The concentration of 1,1-DCE exceeded the residential (as well as I/C) criteria during the June 2011 round. It is noted that this concentration did not exceed CTDEEP's 2003 proposed volatilization criteria for 1,1-DCE.

Groundwater Flow: A review of both on and off-property groundwater elevation information, inclusive of the new MW-701 well cluster, indicates that groundwater generally flows in a northerly direction across the Site from the topographic high south of the facility towards Augusta Drive. While some limited shallow groundwater may discharge to the River, the majority of site/area flow is northerly parallel to the River (at the time of gauging).

7.3 OFF-PROPERTY WETLANDS – 4 OLD NEWTOWN ROAD

Historic analytical results from groundwater samples collected behind 4 Old Newtown Road and adjacent to Augusta Drive indicated concentrations of VOCs in shallow groundwater. An overburden well cluster (MW-702A/B) was installed along the eastern edge of the 4 Old Newtown Road property to assess potential groundwater discharge

pathways in the vicinity of the wetlands. Additionally, the results from these new well installation activities were used to confirm the geologic profile further east of Augusta Drive, with the intent of confirming the eastern limb of the bedrock valley. Groundwater samples were collected at these two new overburden locations along with other existing shallow monitoring wells located on the 4 Old Newtown Road property. Conclusions associated with this phase of the off-property investigation are summarized below:

Groundwater Discharge Pathways: Groundwater elevations measured on 4 Old Newtown Road were consistent with previous gauging results from others. While some peripheral shallow groundwater along the eastern portion of the 4 Old Newtown Road property may flow towards the wetlands, the majority of the flow is to the north towards the adjacent industrial/commercial properties along Augusta Drive. This is further demonstrated by the inferred downward vertical gradient measured at MW-702A/B which does not support overburden groundwater discharge to the wetlands in this area (at the time of measurements).

RSR Comparison: The analytical results associated with the sampling of shallow and deeper overburden wells in the vicinity of the wetland areas yielded detections of VOCs, however, all concentrations were below SWPC and the CT WQS (aquatic). These data demonstrate that site COCs are not present in groundwater at concentrations that would adversely impact the adjacent wetlands. All VOCs within shallow wells were below the I/C volatilization criteria; therefore, no further evaluation of vapor intrusion are warranted in this area.

7.4 PRELIMINARY ECOLOGICAL RISK EVALUATION

Based on the results presented in this report and those previously documented, the preliminary ecological risk evaluation via EPA's Region 1 *Scoping Ecological Checklist* concluded that no additional evaluation was necessary at this time for the Still River and the wetlands immediately adjacent to 4 Old Newtown Road.

8. REFERENCES

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TABLE 1
2011 OFF-PROPERTY INVESTIGATION SUMMARY
15 Old Newtown Road, Danbury, Connecticut

Media	Location ID	Property	Rationale	Analysis Completed	Additional Information
Off-Property AOC: Drain-Line Assessment					
Sediment and Surface Water	SR-SED-01 SR-SED-02/ SR-SW-01 SR-SW-02	Still River, near 2 Broad Street	Collection of sediment and surface water at and downgradient of existing outfall pipe to evaluate potential impacts from historic drain-line associated with the Lagoon Area	VOCs, 13 Priority Pollutant Metals, Cyanide	Samples collected approximately 20-feet into the river at the drain line location and approximately 55-feet downstream
Sediment and Surface Water	SR-SED-REF-01/ SR-SW-REF-01	Still River, near 2 Broad Street	Background/reference sediment and surface water sample for evaluation of primary samples	VOCs, 13 Priority Pollutant Metals, Cyanide	Sample collected in same manner as SR-SED-01/02 samples; located approximately 190-feet upstream of the drain pipe,
Still River					
Groundwater/ Surface Water	PZ-1 & PZ-2	Still River	Replacement of piezometers in river bed	Not applicable	Completed to evaluate groundwater flow
Augusta Drive					
Overburden - Groundwater	MW-701A (Shallow) MW-701B (Intermediate)	Augusta Drive	Wells installed to evaluate contaminant transport downgradient of former Risdon facility along inferred bedrock valley	VOCs, 13 Priority Pollutant Metals, Cyanide; Vertical Hydraulic Gradients	Deeper overburden well screen placement based on field GC screening to target zone of elevated VOCs
Bedrock - Groundwater	MW-701C (Bedrock)	Augusta Drive	Well installed to evaluate groundwater quality in bedrock aquifer downgradient of former Risdon facility	VOCs, 13 Priority Pollutant Metals, Cyanide; Vertical Hydraulic Gradients	Packer testing within bedrock to determine well screen interval
Adjacent Wetlands					
Overburden - Groundwater	MW-702A (Shallow) MW-702B (Intermediate)	4 Old Newtown Road (Amphenol facility)	Overburden well couplet in vicinity of previous groundwater profile location GW-1A/B/C (2001) to evaluate VOC trends with time and potential groundwater discharge to wetlands.	VOCs, 13 Priority Pollutant Metals Cyanide; Vertical Hydraulic Gradients	Deeper overburden well screen placement based on field GC screening
Overburden - Groundwater	MS-MW-2, MS-MW-4, and MS-MW-7	4 Old Newtown Road (Amphenol facility)	Review historical groundwater data; If data is not available, sample groundwater from these shallow overburden wells	VOCs, 13 Priority Pollutant Metals; Cyanide	Evaluate groundwater data relative to potential discharge to adjacent wetland

TABLE 2
2011 OFF-PROPERTY ANALYTICAL TESTING SUMMARY

15 Old Newtown Road, Danbury, Connecticut

Media	Location ID	VOCs	13 Priority Pollutant Metals (unfiltered)	Cyanide
Still River				
Sediment	SR-SED-01	X	X	X
	SR-SED-02	X	X	X
	SR-SED-REF-01	X	X	X
Surface Water	SR-SW-01	X	X	X
	SR-SW-02	X	X	X
	SR-SW-REF-01	X	X	X
Augusta Drive				
Groundwater	MW-701A (Shallow)	X	X	X
	MW-701B (Intermediate)	X	X	X
	MW-701C (Bedrock)	X	X	X
Adjacent Wetlands				
Groundwater	MW-702A (Shallow)	X	X	X
	MW-702B (Intermediate)	X	X	X
	MS-MW-2	X	X	X
	MS-MW-4	X	*see note 1*	X
	MS-MW-7	X	X	X
TOTALS	Sediment	3	3	3
	Surface Water	3	3	3
	Groundwater	8	7	8

Note

1 - The sample collected from MS-MW-4 in June 2011 was inadvertently not submitted to the lab for PP13 metals. This well was resampled in September 2011 with the site-wide sampling event; results are still pending.

TABLE 3
SUMMARY OF SEDIMENT ANALYTICAL DATA
15 Old Newtown Road, Danbury, Connecticut

	LOCATION	SR-SED-01	SR-SED-02	SR-SED-REF-01	SR-SED-50
	SAMPLE DATE	29-JUL-11	29-JUL-11	29-JUL-11	29-JUL-11
13 Priority Pollutant Metals (mg/kg)	Proposed Screening Level[1] Consensus TEC (mg/kg)	Result	Result	Result	Result
Antimony, Total	NE	**0.091 JL**	**0.044 JL**	**0.605 JL**	**0.077 JL**
Arsenic, Total	9.79	**1.87 JK**	**0.84 JK**	**1.97 JK**	**0.93 JK**
Beryllium, Total	NE	**0.207**	**0.125**	**0.179**	**0.135**
Cadmium, Total	0.99	**0.124**	**0.063**	**0.064**	**0.053**
Chromium, Total	NE	**7.22**	**7.69**	**6.2**	**6.38**
Copper, Total	31.6	**11.5 JK**	**9.76 JK**	**15.5 JK**	**18.4 JK**
Cyanide, Total	NE	<1.2	<1.1	<1.2	<1.2
Lead, Total	35.8	**7.73 JK**	**10.2 JK**	**26.4 JK**	**14.1 JK**
Mercury, Total	0.18	**0.205 JK**	**0.117 JK**	**0.069 JK**	**0.943 JK**
Nickel, Total	22.7	**7.35 JK**	**5.35 JK**	**7.08 JK**	**10.8 JK**
Selenium, Total	NE	**0.437 JK**	**0.141 JK**	**0.136 JK**	**0.12 JK**
Silver, Total	NE	**0.052**	**0.058**	**0.058**	<0.042
Thallium, Total	NE	<0.092	**0.059**	<0.043	**0.043**
Zinc, Total	121	**55.9**	**44.4**	**51.6**	**57.2**

Notes:
1. Inorganic screening levels are the Consensus-Based Sediment Quality Guidelines (SQG) Threshold Effect Concentrations (TEC) as presented in the site QAPP.
2. U qualifier indicates the compound was not detected above the reported detection limit.
   JK = Result qualified as estimated, unknown bias
   JL = Result qualified as estimated, low bias
3. Only inorganics shown in table; no VOCs were detected above the analytical reporting limit.

NE = Not Established

Detected results shown in bold; exceedance of the screening level is highlighted.

TABLE 4
SUMMARY OF SURFACE WATER ANALYTICAL DATA
15 Old Newtown Road, Danbury, Connecticut

		LOCATION	SR-SW-01		SR-SW-02		SR-SW-REF-01		SR-SW-50	
		SAMPLING DATE	29-JUL-11		29-JUL-11		29-JUL-11		29-JUL-11	
	Current (Feb 2011)									
	Aquatic Life, Chronic Freshwater	**Human Health, consumption of fish**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**
13 Priority Pollutant Metals (µg/L)										
Antimony, Total	NE	640	0.5	U	0.5	U	0.5	U	0.5	U
Arsenic, Total	150	0.021	**1.3**		**1.1**		**1.1**		**1.0**	
Beryllium, Total	NE	0.13	0.5	U	0.5	U	0.5	U	0.5	U
Cadmium, Total	0.125	10,769	0.5	U	0.5	U	0.5	U	0.5	U
Chromium, Total	11 (hex) 42 (tri)	2,019 (hex) 1,009,615 (tri)	1	U	1	U	1	U	1	U
Copper, Total	4.8	NE	**3**		**3**		**3**		**2**	
Cyanide, Total	5.2	140	5	U	5	U	5	U	5	U
Lead, Total	1.2	NE	1	U	1	U	1	U	1	U
Mercury, Total	0.77	0.051	0.05	U	0.05	U	0.05	U	0.05	U
Nickel, Total	28.9	4,600	**1.3**		**1.3**		**1.2**		**1.2**	
Selenium, Total	5	4,200	5	U	5	U	5	U	5	U
Silver, Total	NE	107,692	0.2	U	0.2	U	0.2	U	0.2	U
Thallium, Total	NE	0.47	0.2	U	0.2	U	0.2	U	0.2	U
Zinc, Total	65	26,000	**14**		**13**		**15**		**12**	

Notes:
1. The proposed levels are based on the CTDEEP Water Quality Criteria (Current - February 2011 CT Water Quality Criteria) - between the Aquatic Freshwater Chronic values and the Human health - consumption of fish only values.
2. U qualifier indicates the compound was not detected above the reported detection limit.
3. Only inorganics shown in table; no VOCs were detected above the analytical reporting limit.

TABLE 5
SUMMARY OF ANNUAL GROUNDWATER LEVEL MEASUREMENTS - 2002 through 2011
15 Old Newtown Road, Danbury, Connecticut

Well Number	Well Screen Elevation[2] *(ft)*	Measuring Point[1] Elevation[2] *(ft)*	Date Measured	Depth to Water Below Measuring Point *(ft)*	Elevation[2] *(ft)*
On-property Monitoring Wells:					
MW-1	293 - 303	*306.98* *(prior to 8/27/07)* 310.51	4/24/2002	3.48	303.50
			7/24/2002	3.51	303.47
			10/14/2002	3.74	303.24
			9/4/2003	2.81	304.17
			9/10/2004	3.20	303.78
			9/27/2005	3.90	303.08
			8/1/2006	2.45	304.53
			8/6/2007	3.14	303.84
			8/12/2008	6.75	303.76
			3/16/2009	6.11	304.40
			9/15/2009	6.77	303.74
			3/24/2010	5.61	304.90
			9/20/2010	7.24	303.27
			3/21/2011	5.62	304.89
			8/3/2011	6.29	304.22
MW-2	289 - 299	303.34	4/24/2002	12.87	290.47
			7/24/2002	12.38	290.96
			10/14/2002	12.90	290.44
			9/4/2003	11.62	291.72
			9/10/2004	12.21	291.13
			9/27/2005	13.81	289.53
			8/1/2006	13.46	289.88
			8/6/2007	14.05	289.29
			8/12/2008	13.43	289.91
			3/16/2009	12.46	290.88
			9/15/2009	13.29	290.05
			3/24/2010	8.39	294.95
			9/20/2010	14.26	289.08
			3/21/2011	9.85	293.49
			8/3/2011	13.50	289.84
MW-3	280 - 295	301.89	4/24/2002	12.10	289.79
			7/24/2002	11.27	290.62
			10/14/2002	13.35	288.54
			9/4/2003	NM	NA
			9/10/2004	10.88	291.01
			9/27/2005	13.48	288.41
			8/1/2006	12.88	289.01
			8/6/2007	13.37	288.52
			8/13/2008	13.03	288.86
			3/16/2009	12.11	289.78
			9/15/2009	12.65	289.24
			3/24/2010	8.02	293.87
			9/20/2010	13.61	288.28
			3/21/2011	9.58	292.31
			8/3/2011	12.63	289.26

TABLE 5
SUMMARY OF ANNUAL GROUNDWATER LEVEL MEASUREMENTS - 2002 through 2011
15 Old Newtown Road, Danbury, Connecticut

Well Number	Well Screen Elevation[2] *(ft)*	Measuring Point[1] Elevation[2] *(ft)*	Date Measured	Depth to Water Below Measuring Point *(ft)*	Elevation[2] *(ft)*
MW-4	274 - 294	303.51	4/24/2002	12.82	290.69
			7/24/2002	11.99	291.52
			10/14/2002	14.10	289.41
			9/4/2003	10.88	292.63
			9/10/2004	11.68	291.83
			9/27/2005	14.56	288.95
			8/1/2006	13.80	289.71
			8/6/2007	14.50	289.01
			8/12/2008	13.09	290.42
			3/16/2009	13.07	290.44
			9/15/2009	13.59	289.92
			3/24/2010	9.54	293.97
			9/20/2010	14.45	289.06
			3/21/2011	10.85	292.66
			8/3/2011	13.70	289.81
MW-5	278 - 283	301.12	4/24/2002	12.33	288.79
			7/24/2002	11.15	289.97
			10/14/2002	13.15	287.97
			9/4/2003	10.03	291.09
			9/10/2004	10.71	290.41
			9/27/2005	13.11	288.01
			8/1/2006	13.52	287.60
			8/6/2007	14.43	286.69
			8/12/2008	13.85	287.27
			3/16/2009	12.11	289.01
			9/15/2009	12.42	288.70
			3/24/2010	8.30	292.82
			9/20/2010	14.28	286.84
			3/21/2011	9.12	292.00
			8/3/2011	12.84	288.28
MW-6	271 - 291	303.98	4/24/2002	13.33	290.65
			7/24/2002	12.70	291.28
			10/14/2002	14.44	289.54
			9/4/2003	11.53	292.45
			9/10/2004	12.50	291.48
			9/27/2005	14.18	289.80
			8/1/2006	12.85	291.13
			8/6/2007	14.06	289.92
			8/12/2008	13.68	290.30
			3/16/2006	12.20	291.78
			9/15/2009	13.61	290.37
			3/24/2010	9.42	294.56
			9/20/2010	14.50	289.48
			3/21/2011	7.56	296.42
			8/3/2011	12.94	291.04

TABLE 5
SUMMARY OF ANNUAL GROUNDWATER LEVEL MEASUREMENTS - 2002 through 2011
15 Old Newtown Road, Danbury, Connecticut

Well Number	Well Screen Elevation[2] *(ft)*	Measuring Point[1] Elevation[2] *(ft)*	Date Measured	Depth to Water Below Measuring Point *(ft)*	Elevation[2] *(ft)*
MW-7	280 - 290	304.15	4/24/2002	12.29	291.86
			7/24/2002	11.77	292.38
			10/14/2002	13.30	290.85
			9/4/2003	10.71	293.44
			9/10/2004	Inaccessible	NM
			9/27/2005	13.26	290.89
			8/1/2006	12.16	291.99
			8/6/2007	12.84	291.31
			8/12/2008	12.49	291.66
			3/16/2009	11.80	292.35
			9/15/2009	12.31	291.84
			3/24/2010	9.04	295.11
			9/20/2010	13.58	290.57
			8/3/2011	12.38	291.77
MW-8	271 - 289	304.10	4/25/2002	13.75	290.35
			7/24/2002	12.72	291.38
			10/14/2002	14.81	289.29
			9/4/2003	NM	NA
			9/10/2004	Inaccessible	NA
			9/27/2005	14.67	289.43
			8/1/2006	13.95	290.15
			8/6/2007	14.98	289.12
			8/12/2008	13.98	290.12
			3/16/2009	13.24	290.86
			9/15/2009	13.96	290.14
			3/24/2010	9.97	294.13
			9/20/2010	15.39	288.71
			8/3/2011	14.45	289.65
MW-9	266 - 286	302.05	4/24/2002	NM	NA
			7/24/2002	NM	NA
			10/14/2002	NM	NA
			9/4/2003	10.40	291.65
			9/10/2004	11.17	290.88
			9/27/2005	14.20	287.85
			8/1/2006	15.04	287.01
			8/6/2007	15.36	286.69
			8/12/2008	14.40	287.65
			3/16/2009	13.21	288.84
			9/15/2009	13.35	288.70
			3/24/2010	9.50	292.55
			9/20/2010	14.71	287.34
			3/21/2011	9.80	292.25
			8/3/2011	well under water	

TABLE 5
SUMMARY OF ANNUAL GROUNDWATER LEVEL MEASUREMENTS - 2002 through 2011
15 Old Newtown Road, Danbury, Connecticut

Well Number	Well Screen Elevation[2] *(ft)*	Measuring Point[1] Elevation[2] *(ft)*	Date Measured	Depth to Water Below Measuring Point *(ft)*	Elevation[2] *(ft)*
MW-10	281 - 300	301.14	4/24/2002	12.35	288.79
			7/24/2002	11.03	290.11
			10/14/2002	12.09	289.05
			9/4/2003	9.91	291.23
			9/10/2004	10.50	290.64
			9/27/2005	13.03	288.11
			8/1/2006	13.61	287.53
			8/6/2007	14.52	286.62
			8/12/2008	13.29	287.85
			3/16/2009	12.10	289.04
			9/15/2009	12.18	288.96
			3/24/2010	7.60	293.54
			9/20/2010	14.25	286.89
			3/21/2011	8.96	292.18
			8/3/2011	12.48	288.66
MW-11	273 - 293	301.05	4/24/2002	12.80	288.25
			7/24/2002	11.62	289.43
			10/14/2002	14.02	287.03
			9/4/2003	10.45	290.60
			9/10/2004	11.20	289.85
			9/27/2005	14.65	286.40
			8/1/2006	14.40	286.65
			8/6/2007	14.93	286.12
			8/12/2008	13.34	287.71
			3/16/2009	12.41	288.64
			9/15/2009	13.38	287.67
			3/24/2010	8.98	292.07
			9/20/2010	14.68	286.37
			3/21/2011	9.66	291.39
			8/3/2011	13.42	287.63
MW-12	267 - 287	303.13	4/24/2002	12.76	290.37
			7/24/2002	12.01	291.12
			10/14/2002	15.07	288.06
			9/4/2003	NM	NA
			9/10/2004	Inaccessible	NA
			9/27/2005	15.08	288.05
			8/1/2006	14.56	288.57
			8/6/2007	15.24	287.89
			8/12/2008	15.02	288.11
			3/16/2009	14.10	289.03
			9/15/2009	14.64	288.49
			3/24/2010	9.70	293.43
			9/20/2010	obstructed	
			3/21/2011	12.27	290.86
			8/3/2011	obstructed	

TABLE 5
SUMMARY OF ANNUAL GROUNDWATER LEVEL MEASUREMENTS - 2002 through 2011
15 Old Newtown Road, Danbury, Connecticut

Well Number	Well Screen Elevation[2] *(ft)*	Measuring Point[1] Elevation[2] *(ft)*	Date Measured	Depth to Water Below Measuring Point *(ft)*	Elevation[2] *(ft)*
MW-13	280 - 300	304.35	4/24/2002	12.74	291.61
			7/24/2002	12.17	292.18
			10/14/2002	13.93	290.42
			9/4/2003	10.93	293.42
			9/10/2004	11.82	292.53
			9/27/2005	13.93	290.42
			8/1/2006	12.51	291.84
			8/6/2007	13.53	290.82
			8/12/2008	13.18	291.17
			3/16/2009	11.46	292.89
			9/15/2009	12.84	291.51
			8/3/2011	13.04	291.31
MW-16	290 - 296	300.34	4/24/2002	9.43	290.91
			7/24/2002	9.22	291.12
			10/14/2002	9.88	290.46
			9/4/2003	8.35	291.99
			9/10/2004	8.91	291.43
			9/27/2005	DRY	NA
			8/1/2006	9.39	290.95
			8/6/2007	DRY	NA
			8/12/2008	DRY	NA
			3/16/2010	9.10	291.24
			9/15/2009	10.41	289.93
			3/24/2010	7.08	293.26
			9/20/2010	DRY	NA
			3/21/2011	7.11	293.23
			8/3/2011	9.25	291.09
MW-106A	272 - 277	305.12	4/24/2002	NM	NA
			7/24/2002	NM	NA
			10/14/2002	13.21	291.91
			9/4/2003	10.67	294.45
			9/10/2004	11.47	293.65
			9/27/2005	12.57	292.55
			8/1/2006	10.97	294.15
			8/6/2007	11.82	293.30
			8/12/2008	11.59	293.53
			3/16/2009	10.98	294.14
			9/15/2009	11.41	293.71
			3/24/2010	9.59	295.53
			9/20/2010	11.31	293.81
			3/21/2011	9.96	295.16
			8/3/2011	11.18	293.94

TABLE 5
SUMMARY OF ANNUAL GROUNDWATER LEVEL MEASUREMENTS - 2002 through 2011
15 Old Newtown Road, Danbury, Connecticut

Well Number	Well Screen Elevation[2] *(ft)*	Measuring Point[1] Elevation[2] *(ft)*	Date Measured	Depth to Water Below Measuring Point *(ft)*	Elevation[2] *(ft)*
MW-107	275 - 300	304.47	prior to October 2002, well was inaccessible		
			10/16/2002	11.99	292.48
			9/4/2003	NM	NA
			9/10/2004	10.06	294.41
			9/27/2005	11.82	292.65
			8/1/2006	8.61	295.86
			8/6/2007	10.31	294.16
			8/12/2008	10.21	294.26
			9/15/2009	9.69	294.78
			8/3/2011	9.54	294.93
MW-110A	286 - 291	303.43	4/24/2002	12.05	291.38
			7/24/2002	12.19	291.24
			10/14/2002	12.66	290.77
			9/4/2003	11.34	292.09
			9/10/2004	11.67	291.76
			9/27/2005	13.22	290.21
			8/1/2006	11.75	291.68
			8/6/2007	12.71	290.72
			8/12/2008	11.86	291.57
			3/16/2009	11.99	291.44
			9/15/2009	11.68	291.75
			3/24/2010	9.83	293.60
			9/20/2010	12.58	290.85
			3/21/2011	9.55	293.88
			8/3/2011	12.03	291.40
MW-111	286 - 291	302.39	4/24/2002	11.50	290.89
			7/24/2002	11.68	290.71
			10/17/2002	11.95	290.44
			9/4/2003	10.64	291.75
			9/10/2004	11.07	291.32
			9/27/2005	12.95	289.44
			8/1/2006	11.48	290.91
			8/6/2007	12.49	289.90
			8/12/2008	11.41	290.98
			3/16/2009	11.12	291.27
			9/15/2009	11.35	291.04
			3/24/2010	9.38	293.01
			9/20/2010	12.20	290.19
			3/21/2011	8.95	293.44
			8/3/2011	11.78	290.61

TABLE 5
SUMMARY OF ANNUAL GROUNDWATER LEVEL MEASUREMENTS - 2002 through 2011
15 Old Newtown Road, Danbury, Connecticut

Well Number	Well Screen Elevation[2] *(ft)*	Measuring Point[1] Elevation[2] *(ft)*	Date Measured	Depth to Water Below Measuring Point *(ft)*	Elevation[2] *(ft)*
MW-112	288 - 293	301.94	4/24/2002	11.76	290.18
			7/24/2002	11.08	290.86
			10/14/2002	13.88	288.06
			9/4/2003	DRY	NA
			9/10/2004	10.77	291.17
			9/27/2005	14.52	287.42
			8/1/2006	12.49	289.45
			8/6/2007	13.05	288.89
			8/12/2008	12.57	289.37
			3/16/2009	11.66	290.28
			9/15/2009	12.15	289.79
			3/24/2010	9.02	292.92
			9/20/2010	13.18	288.76
			3/21/2011	9.25	292.69
			8/3/2011	12.09	289.85
MW-113	289 - 294	302.10	4/24/2002	11.03	291.07
			7/24/2002	11.40	290.70
			10/14/2002	11.19	290.91
			9/4/2003	10.37	291.73
			9/10/2004	10.57	291.53
			9/27/2005	11.50	290.60
			8/1/2006	10.25	291.85
			8/6/2007	10.89	291.21
			8/13/2008	10.57	291.53
			9/15/2009	10.75	291.35
			3/24/2010	8.40	293.70
			9/20/2010	11.40	290.70
			3/21/2011	8.31	293.79
			8/3/2011	11.10	291.00
MW-304	279 - 289	303.58	4/24/2002	13.32	290.26
			7/24/2002	12.59	290.99
			10/14/2002	14.60	288.98
			9/4/2003	NM	NA
			9/10/2004	12.28	291.30
			9/27/2005	14.41	289.17
			8/1/2006	14.03	289.55
			8/6/2007	14.49	289.09
			8/12/2008	13.95	289.63
			3/16/2009	13.09	290.49
			9/15/2009	13.68	289.90
			3/24/2010	9.60	293.98
			9/20/2010	14.69	288.89
			3/21/2011	10.53	293.05
			8/3/2011	13.75	289.83

TABLE 5
SUMMARY OF ANNUAL GROUNDWATER LEVEL MEASUREMENTS - 2002 through 2011
15 Old Newtown Road, Danbury, Connecticut

Well Number	Well Screen Elevation[2] *(ft)*	Measuring Point[1] Elevation[2] *(ft)*	Date Measured	Depth to Water Below Measuring Point *(ft)*	Elevation[2] *(ft)*
MW-501	286 - 291	304.75	4/24/2002	9.55	295.20
			7/24/2002	10.04	294.71
			10/14/2002	10.47	294.28
			9/4/2003	9.31	295.44
			9/10/2004	9.94	294.81
			9/27/2005	11.07	293.68
			8/1/2006	8.85	295.90
			8/6/2007	9.44	295.31
			8/13/2008	8.89	295.86
			9/15/2009	7.87	296.88
			3/24/2010	5.93	298.82
			9/20/2010	10.11	294.64
			8/3/2011	9.90	294.85
MW-502	291 - 296	304.80	4/24/2002	NM	NA
			7/24/2002	12.04	292.76
			10/14/2002	12.30	292.50
			9/4/2003	10.95	293.85
			9/10/2004	11.48	293.32
			9/27/2005	12.58	292.22
			8/1/2006	10.79	294.01
			8/6/2007	11.60	293.20
			8/12/2008	11.20	293.60
			9/15/2009	11.23	293.57
			3/24/2010	8.22	296.58
			9/20/2010	12.29	292.51
			3/21/2011	9.13	295.67
			8/3/2011	12.05	292.75
MW-503	291 - 296	304.90	4/24/2002	12.40	292.50
			7/24/2002	11.95	292.95
			10/14/2002	12.97	291.93
			9/4/2003	NM	NA
			9/10/2004	11.73	293.17
			9/27/2005	12.57	292.33
			8/1/2006	11.20	293.70
			8/6/2007	12.02	292.88
			8/12/2008	11.28	293.62
			3/16/2009	11.42	293.48
			9/15/2009	11.70	293.20
			3/24/2010	9.60	295.30
			9/20/2010	12.34	292.56
			3/21/2011	10.66	294.24
			8/3/2011	11.40	293.50

TABLE 5
SUMMARY OF ANNUAL GROUNDWATER LEVEL MEASUREMENTS - 2002 through 2011
15 Old Newtown Road, Danbury, Connecticut

Well Number	Well Screen Elevation[2] *(ft)*	Measuring Point[1] Elevation[2] *(ft)*	Date Measured	Depth to Water Below Measuring Point *(ft)*	Elevation[2] *(ft)*
MW-503A	283 - 287	304.40	4/24/2002	11.82	292.58
			7/24/2002	11.31	293.09
			10/14/2002	12.45	291.95
			9/4/2003	NM	NA
			9/10/2004	11.10	293.30
			9/27/2005	12.12	292.28
			8/1/2006	10.63	293.77
			8/6/2007	11.55	292.85
			8/12/2008	11.84	292.56
			3/16/2009	10.79	293.61
			9/15/2009	11.05	293.35
			3/24/2010	10.35	294.05
			9/20/2010	11.98	292.42
			8/3/2011	10.81	293.59
MW-504	290 - 293	304.50	4/24/2002	13.61	290.89
			7/24/2002	13.20	291.30
			10/14/2002	DRY	NA
			9/4/2003	12.26	292.24
			9/10/2004	12.94	291.56
			9/27/2005	DRY	NA
			8/1/2006	13.37	291.13
			8/6/2007	DRY	NA
			8/12/2008	13.71	290.79
			3/16/2009	13.04	291.46
			9/15/2009	13.45	291.05
			3/24/2010	10.19	294.31
			9/20/2010	DRY	NA
			3/21/2011	11.37	293.13
			8/3/2011	13.21	291.29
MW-505	284 - 294	305.00	4/24/2002	12.83	292.17
			7/24/2002	12.33	292.67
			10/14/2002	13.55	291.45
			9/4/2003	11.35	293.65
			9/10/2004	12.18	292.82
			9/27/2005	13.27	291.73
			8/1/2006	11.88	293.12
			8/6/2007	12.64	292.36
			8/12/2008	12.45	292.55
			3/16/2009	11.91	293.09
			9/15/2009	12.25	292.75
			3/24/2010	10.33	294.67
			9/20/2010	13.22	291.78
			8/3/2011	12.05	292.95

TABLE 5
SUMMARY OF ANNUAL GROUNDWATER LEVEL MEASUREMENTS - 2002 through 2011
15 Old Newtown Road, Danbury, Connecticut

Well Number	Well Screen Elevation[2] *(ft)*	Measuring Point[1] Elevation[2] *(ft)*	Date Measured	Depth to Water Below Measuring Point *(ft)*	Elevation[2] *(ft)*
MW-506	276 - 296	304.50	4/24/2002	11.56	292.94
			7/24/2002	10.88	293.62
			10/14/2002	12.32	292.18
			9/4/2003	9.76	294.74
			9/10/2004	10.61	293.89
			9/27/2005	12.17	292.33
			8/1/2006	10.30	294.20
			8/6/2007	11.31	293.19
			8/12/2008	10.98	293.52
			3/16/2009	7.41	297.09
			9/15/2009	10.76	293.74
			9/20/2010	12.02	292.48
MW-507	281 - 291	305.20	4/24/2002	8.80	296.40
			7/24/2002	8.41	296.79
			10/14/2002	9.72	295.48
			9/4/2003	7.18	298.02
			9/10/2004	8.12	297.08
			9/27/2005	9.37	295.83
			8/1/2006	7.22	297.98
			8/6/2007	8.27	296.93
			3/16/2009	7.05	298.15
			9/15/2009	7.89	297.31
			3/24/2010	6.21	298.99
			9/20/2010	9.30	295.90
			8/3/2011	7.59	297.61
MW-508	286 - 291	297.85	4/24/2002	8.30	289.55
			7/24/2002	7.91	289.94
			10/14/2002	8.61	289.24
			9/4/2003	6.67	291.18
			9/10/2004	7.28	290.57
			9/27/2005	11.48	286.37
			8/1/2006	8.71	289.14
			8/6/2007	9.29	288.56
			8/12/2008	8.75	289.10
			3/16/2009	7.94	289.91
			9/15/2009	8.51	289.34
			3/24/2010	5.15	292.70
			9/20/2010	9.55	288.30
			3/21/2011	5.37	292.48
			8/3/2011	8.62	289.23

TABLE 5
SUMMARY OF ANNUAL GROUNDWATER LEVEL MEASUREMENTS - 2002 through 2011
15 Old Newtown Road, Danbury, Connecticut

Well Number	Well Screen Elevation[2] *(ft)*	Measuring Point[1] Elevation[2] *(ft)*	Date Measured	Depth to Water Below Measuring Point *(ft)*	Elevation[2] *(ft)*
MW-508C	249 - 264	298.18	4/24/2002	NM	NA
			7/24/2002	8.41	289.77
			10/14/2002	8.92	289.26
			9/4/2003	7.03	291.15
			9/10/2004	7.97	290.21
			9/27/2005	11.95	286.23
			8/1/2006	9.36	288.82
			8/6/2007	9.88	288.30
			8/12/2008	9.28	288.90
			3/16/2009	8.48	289.70
			9/15/2009	8.98	289.20
			3/24/2010	5.90	292.28
			9/20/2010	9.97	288.21
			3/21/2011	6.24	291.94
			8/3/2011	9.18	289.00
MW-601A	253 - 265	302.64	4/24/2002	12.63	290.01
			7/24/2002	12.89	289.75
			10/14/2002	13.26	289.38
			9/4/2003	12.11	290.53
			9/10/2004	12.30	290.34
			9/27/2005	13.68	288.96
			8/1/2006	12.55	290.09
			8/6/2007	13.26	289.38
			8/12/2008	12.50	290.14
			9/15/2009	12.42	290.22
			3/24/2010	11.30	291.34
			9/20/2010	13.16	289.48
			3/21/2011	10.02	292.62
			8/3/2011	12.31	290.33
MW-601B	274 - 284	302.28	4/24/2002	11.61	290.67
			7/24/2002	11.83	290.45
			10/14/2002	12.15	290.13
			9/4/2003	10.87	291.41
			9/10/2004	11.09	291.19
			9/27/2005	13.32	288.96
			8/1/2006	11.87	290.41
			8/6/2007	12.89	289.39
			8/12/2008	11.48	290.80
			9/15/2009	11.45	290.83
			3/24/2010	9.25	293.03
			9/20/2010	12.71	289.57
			3/21/2011	8.96	293.32
			8/3/2011	12.37	289.91

TABLE 5
SUMMARY OF ANNUAL GROUNDWATER LEVEL MEASUREMENTS - 2002 through 2011
15 Old Newtown Road, Danbury, Connecticut

Well Number	Well Screen Elevation[2] *(ft)*	Measuring Point[1] Elevation[2] *(ft)*	Date Measured	Depth to Water Below Measuring Point *(ft)*	Elevation[2] *(ft)*
Off-Property Monitoring Wells:					
MW-14	279 - 289	296.52	4/24/2002	NM	NA
			7/24/2002	8.58	287.94
			10/16/2002	8.58	287.94
			9/4/2003	7.33	289.19
			9/16/2004	8.55	287.97
			9/28/2005	9.75	286.77
			8/1/2006	9.10	287.42
			8/6/2007	9.49	287.03
			8/13/2008	8.88	287.64
			3/16/2009	8.06	288.46
			9/15/2009	8.99	287.53
			3/24/2010	9.31	287.21
			9/20/2010	9.63	286.89
			3/21/2011	6.24	290.28
			8/3/2011	9.24	287.28
MW-15M	264 - 284	296.49	4/24/2002	8.10	288.39
			7/24/2002	8.35	288.14
			10/14/2002	8.42	288.07
			9/4/2003	7.11	289.38
			9/10/2004	7.57	288.92
			9/27/2005	9.55	286.94
			8/1/2006	8.39	288.10
			8/6/2007	8.07	288.42
			8/12/2008	8.45	288.04
			3/16/2009	7.68	288.81
			9/15/2009	8.33	288.16
			3/24/2010	6.37	290.12
			9/20/2010	9.31	287.18
			3/21/2011	6.00	290.49
		296.92	8/3/2011	8.63	288.29
MS-MW-1A	283 - 288	294.05	7/24/2002	7.95	286.10
			10/14/2002	6.87	287.18
			8/3/2011	7.33	286.72
MS-MW-2	280 - 285	292.02	7/24/2002	5.97	286.05
			10/14/2002	4.88	287.14
			9/4/2003	4.61	287.41
			9/10/2004	4.75	287.27
			8/6/2007	5.82	286.20
			8/13/2008	5.10	286.92
			9/15/2009	5.43	286.59
			8/3/2011	5.83	286.19

TABLE 5
SUMMARY OF ANNUAL GROUNDWATER LEVEL MEASUREMENTS - 2002 through 2011
15 Old Newtown Road, Danbury, Connecticut

Well Number	Well Screen Elevation[2] *(ft)*	Measuring Point[1] Elevation[2] *(ft)*	Date Measured	Depth to Water Below Measuring Point *(ft)*	Elevation[2] *(ft)*
MS-MW-3	283 - 288	294.21	7/24/2002	7.13	287.08
			10/14/2002	8.85	285.36
			9/4/2003	5.50	288.71
			9/10/2004	4.48	289.73
			8/6/2007	6.44	287.77
			8/13/2008	6.03	288.18
			9/15/2009	6.44	287.77
			8/3/2011	6.80	287.41
MS-MW-4	284 - 289	292.23	7/24/2002	3.90	288.33
			10/14/2002	2.59	289.64
			9/4/2003	2.25	289.98
			9/10/2004	2.12	290.11
			8/3/2011	3.64	288.59
MS-MW-5	286 - 291	298.90	7/24/2002	8.95	289.95
			10/14/2002	8.73	290.17
			9/4/2003	7.80	291.10
			8/12/2008	8.25	290.65
			9/15/2009	8.41	290.49
			9/21/2010	9.42	289.48
			3/21/2011	5.81	293.09
			8/3/2011	NM	
MS-MW-6	287 - 292	298.78	10/14/2002	9.38	289.40
			10/14/2002	9.46	289.32
			9/4/2003	8.16	290.62
			9/10/2004	Flooded Road Box	
			9/27/2005	10.25	288.53
			8/1/2006	8.85	289.93
			8/6/2007	NM	NA
			8/13/2008	9.04	289.74
			9/15/2009	Well Not Located	
			3/21/2011	6.21	292.57
			8/3/2011	9.16	289.62
MS-MW-7	281 - 286	292.68	7/24/2002	6.19	286.49
			10/14/2002	5.06	287.62
			9/4/2003	4.80	287.88
			9/10/2004	4.98	287.70
			8/6/2007	6.09	286.59
			8/12/2008	5.35	287.33
			9/15/2009	6.79	285.89
			8/3/2011	6.22	286.46

TABLE 5
SUMMARY OF ANNUAL GROUNDWATER LEVEL MEASUREMENTS - 2002 through 2011
15 Old Newtown Road, Danbury, Connecticut

Well Number	Well Screen Elevation[2] *(ft)*	Measuring Point[1] Elevation[2] *(ft)*	Date Measured	Depth to Water Below Measuring Point *(ft)*	Elevation[2] *(ft)*
20NR-MW-1A	280.9-290.9	293.94	8/1/2006	6.72	287.22
			8/8/2007	6.85	287.09
			8/13/2008	6.51	287.43
			3/16/2009	5.89	288.05
			9/15/2009	6.70	287.24
			3/25/2010	4.04	289.90
			9/21/2010	7.39	286.55
			3/1/2011	4.99	288.95
			8/3/2011	6.92	287.02
MW-701A		292.88	8/3/2011	6.22	286.66
MW-701B		292.92	8/3/2011	6.19	286.73
MW-701C		292.85	8/3/2011	6.34	286.51
MW-702A		291.13	8/3/2011	2.80	288.33
MW-702B		291.37	8/3/2011	3.67	287.70
PZ-1 [3]	--	289.34	8/1/2006	1.27	288.07
			8/13/2008	0.86	288.48
			9/15/2009	1.08	288.26
		292.00	8/3/2011	4.00	288.00
PZ-2 [3]	--	290.44	8/1/2006	1.73	288.71
		293.34	8/3/2011	3.89	289.45
Risdon Recovery Wells:					
RW-1	260.84 - 288.84	298.84	10/14/2002	24.9 - 26.8	272.04 - 273.94
			9/10/2004	7.58	291.26
			9/27/2005	28.20	270.64
			8/1/2006	29.76	269.08
			8/6/2007	30.46	268.38
			8/12/2008	31.19	267.65
			3/16/2009	31.28	267.56
			9/15/2009	29.78	269.06
			3/24/2010	11.83	287.01
			9/20/2010	29.81	269.03
			3/21/2011	29.83	269.01
			8/3/2011	30.65	268.19
RW-2	262.52 - 290.52	298.52	10/14/2002	18.46	280.06
			9/10/2004	Inaccessible	NA
			9/27/2005	16.91	281.61
			8/1/2006	21.70	276.82
			8/6/2007	24.08	274.44
			3/16/2009	20.95	277.57
			9/15/2009	19.24	279.28
			3/24/2010	17.41	281.11
			9/20/2010	23.76	274.76
			3/21/2011	24.22	274.30
			8/3/2011	22.36	276.16

TABLE 5
SUMMARY OF ANNUAL GROUNDWATER LEVEL MEASUREMENTS - 2002 through 2011
15 Old Newtown Road, Danbury, Connecticut

Well Number	Well Screen Elevation[2] *(ft)*	Measuring Point[1] Elevation[2] *(ft)*	Date Measured	Depth to Water Below Measuring Point *(ft)*	Elevation[2] *(ft)*
RW-3	261.04 - 289.04	296.04	10/14/2002	21.48	274.56
			9/10/2004	6.03	290.01
			9/27/2005	30.55	265.49
			8/1/2006	30.61	265.43
			8/6/2007	24.80	271.24
			8/12/2008	31.54	264.50
			3/16/2009	27.94	268.10
			9/15/2009	19.98	276.06
			3/24/2010	11.09	284.95
			9/20/2010	31.40	264.64
			3/21/2011	28.71	267.33
			8/3/2011	21.51	274.53
RW-4	273.30 - 293.30	303.30	9/5/2003	10.43	292.87
			9/10/2004	Inaccessible	NA
			9/27/2005	26.49	276.81
			8/1/2006	24.57	278.73
			8/6/2007	21.66	281.64
			8/12/2008	24.71	278.59
			3/16/2009	26.29	277.01
			9/15/2009	26.14	277.16
			3/24/2010	26.82	276.48
			9/20/2010	26.78	276.52
			3/21/2011	26.80	276.50
			8/3/2011	24.77	278.53
RW-5	268.00 - 288.00	298.00	9/4/2003	11.25	286.75
			9/10/2004	11.35	286.65
			9/27/2005	26.52	271.48
			8/1/2006	25.60	272.40
			8/6/2007	27.06	270.94
			8/12/2008	12.75	285.25
			3/16/2009	26.38	271.62
			9/15/2009	13.26	284.74
			3/24/2010	26.43	271.57
			9/20/2010	26.96	271.04
			3/21/2011	NM	--
			8/3/2011	33.70	264.30
RW-6	262.30 - 282.30	302.30	9/5/2003	8.96	293.34
			9/10/2004	Inaccessible	NA
			9/27/2005	26.92	275.38
			8/1/2006	25.56	276.74
			8/6/2007	26.25	276.05
			8/12/2008	26.16	276.14
			3/16/2009	26.66	275.64
			9/15/2009	26.24	276.06
			3/24/2010	26.82	275.48
			9/20/2010	25.82	276.48
			3/21/2011	25.92	276.38
			8/3/2011	23.61	278.69

TABLE 5
SUMMARY OF ANNUAL GROUNDWATER LEVEL MEASUREMENTS - 2002 through 2011
15 Old Newtown Road, Danbury, Connecticut

Well Number	Well Screen Elevation[2] *(ft)*	Measuring Point[1] Elevation[2] *(ft)*	Date Measured	Depth to Water Below Measuring Point *(ft)*	Elevation[2] *(ft)*
RVW-101	--	--	9/15/2009	DRY	--
			9/20/2010	DRY	--
RW-101C	--	--	9/20/2010	11.39	--
RVW-103	--	--	9/15/2009	DRY	--
			9/20/2010	DRY	--
			8/3/2011	5.59	--
RVW-104	--	--	8/6/2007	8.98	--
			8/13/2008	8.71	--
			9/15/2009	8.54	--
			9/20/2010	9.27	--
			8/3/2011	8.42	--
RVW-105Q	--	--	8/6/2007	10.36	--
			9/15/2009	10.12	--
			9/20/2010	DRY	--
RVW-106	--	--	8/6/2007	10.63	--
			8/12/2008	10.50	--
			3/16/2009	10.12	
			9/15/2009	10.39	--
			9/20/2010	12.24	--
			8/3/2011	10.21	--
RW-108A	273.7 - 278.7	304.83	10/15/2002	13.15	291.68
			9/5/2003	NM	NA
			9/10/2004	Inaccessible	NA
			9/27/2005	NM	NA
			8/1/2006	11.55	293.28
			8/6/2007	12.23	292.60
			8/12/2008	11.89	292.94
			9/15/2009	10.68	294.15
			9/20/2010	15.16	289.67
RW-302	292.3 - 297.3	305.30	10/15/2002	11.01	294.29
			9/5/2003	NM	NA
			9/10/2004	Inaccessible	NA
			9/27/2005	NM	NA
			8/1/2006	NM	NA
			8/12/2008	DRY	NA
			9/15/2009	DRY	NA
RW-303	288.8 - 293.8	304.96	10/15/2002	13.43	291.53
			9/5/2003	9.94	295.02
			9/10/2004	10.52	294.44
			9/27/2005	11.32	293.64
			8/1/2006	NM	NA
			8/6/2007	10.42	294.54
			8/12/2008	10.24	294.72
			9/15/2009	10.02	294.94
			9/20/2010	10.82	294.14
			8/3/2011	9.42	295.54

TABLE 5
SUMMARY OF ANNUAL GROUNDWATER LEVEL MEASUREMENTS - 2002 through 2011
15 Old Newtown Road, Danbury, Connecticut

Well Number	Well Screen Elevation[2] *(ft)*	Measuring Point[1] Elevation[2] *(ft)*	Date Measured	Depth to Water Below Measuring Point *(ft)*	Elevation[2] *(ft)*
RW-401	279.5 - 284.5	304.50	10/15/2002	DRY	NA
			9/5/2003	NM	NA
			9/10/2004	Inaccessible	NA
			9/27/2005	NM	NA
			8/1/2006	9.80	294.70
			8/6/2007	10.61	293.89
			8/12/2008	10.52	293.98
			9/15/2009	10.28	294.22
RW-402	275.8 - 280.8	304.60	10/15/2002	NM	NA
			9/5/2003	9.99	294.61
			9/10/2004	10.90	293.70
			9/27/2005	NM	NA
			8/1/2006	10.30	294.30
			8/6/2007	11.22	293.38
			8/13/2008	11.04	293.56
			9/15/2009	10.83	293.77
RW-403	283.8 - 288.8	304.60	10/15/2002	DRY	NA
			9/5/2003	10.05	294.55
			9/10/2004	NM	NA
			9/27/2005	NM	NA
			8/1/2006	10.36	294.24
			8/6/2007	11.20	293.40
			8/12/2008	10.97	293.63
			9/15/2009	10.82	293.78
RW-404	289.3 - 294.3	304.70	10/15/2002	13.25	291.45
			9/5/2003	10.44	294.26
			9/10/2004	DRY	NA
			9/27/2005	NM	NA
			8/1/2006	10.63	294.07
			8/6/2007	DRY	NA
			8/12/2008	NM	NA
			9/15/2009	DRY	NA

NOTES:

1. Measuring point refers to top of PVC casing, unless otherwise noted. Measuring point is ground surface for wells RW-1, RW-2, RW-3, and RW-302.
2. All elevations are referenced to the National Geodetic Vertical Datum of 1929. Well screen elevations for off-property monitoring wells MS-MW-6 and MS-MW-7 are based on measured depths to bottom and assumed screen lengths of 5 feet.
3. Piezometers PZ-1 and PZ-2 were re-installed and surveyed in on July 29, 2011.

ABBREVIATIONS:

ft = feet
NM = not measured
NA = not applicable since DTW not measured

TABLE 6
SUMMARY OF GROUNDWATER FIELD STABILIZATION PARAMETERS - JUNE 2011 OFF-PROPERTY GROUNDWATER MONITORING

15 Old Newtown Road, Danbury, Connecticut

Monitoring Well ID	Well Screen Interval (ft bgs)	Geologic Unit	Date	Pump Intake Depth *(ft bmp)*	Purge Rate at Sample Collection *(ml/min)*	Temperature *(°C)*	Specific Conductance *(mS per cm at 25°C)*	Dissolved Oxygen *(mg/l)*	pH *(S.U.)*	Oxidation Reduction Potential *(mV)*	Turbidity *(NTU)*
MW-701A	5 - 15	Overburden	16-Jun-11	9.9	160	17.6	0.943	1.6	5.3	612	9.6
MW-701B	25 - 35	Overburden	16-Jun-11	29.7	220	16.7	1.375	1.2	4.0	529	50
MW-701C	50 - 60	Bedrock	16-Jun-11	54.9	250	16.9	1.663	1.4	5.2	491	27
MW-702A	2 - 8	Overburden	16-Jun-11	4.3	200	17.7	1.865	2.8	5.9	523	15
MW-702B	11 - 21	Overburden	16-Jun-11	16.0	200	14.9	7.226	6.4	6.1	515	64
MS-MW-2	7 - 12	Overburden	16-Jun-11	8.0	180	15.3	0.481	2.5	6.1	399	19
MS-MW-4	3 - 8	Overburden	16-Jun-11	9.3	200	17.3	1.061	1.7	6.1	58	9.8
MS-MW-7	6.4 - 11.4	Overburden	30-Jun-11	8.4	160	17.1	0.621	0.9	6.7	116	9.4

Notes/Abbreviations:

Field chemistry parameters were measured in the field and represent readings recorded at the time of sample collection.

°C = degrees Celsius; S.U. = standard units; mS = millisiemens; cm = centimeters; ft bmp = feet below measuring point, which is the top of PVC riser pipe unless otherwise noted.

ml = milliliters; mg/l = milligrams per liter; mV = millivolts; NTU = nephelometric Turbidity Units; NS = Not sampled; NM = not measured

TABLE 7
SUMMARY OF DETECTED VOCs - JUNE 2011 OFF-PROPERTY GROUNDWATER MONITORING
15 Old Newtown Road, Danbury, Connecticut

Monitoring Well ID	Well Screen Interval (ft bgs)	Geologic Unit	Sample Date	VOCs Detected *(ug/l)*							
				1,1-Dichloro-ethane	1,1-Dichloro-ethene	*cis* -1,2-Dichloro-ethene	Tetrachloro-ethene	1,1,1-Trichloro-ethane	Trichloro-ethene	*Other VOCs* 1,1,2-Trichloro-1,2,2-Trifluoro-ethane	Total VOCs
SWPC	--	--	--	NE	96	NE	88	62,000	2,340	NE	--
CT WQS - Aquatic [1]	--	--	--	410	210	620	53	76	220	NE	--
Vol-I/C	--	--	--	50,000	6	11,000	3,820	50,000	540	NE	--
Vol-Res	--	--	--	34,600	1	830	1,500	20,400	219	NE	--
11 Augusta Drive (Northbound Lane)											
MW-701A	5 - 15	Overburden	16-Jun-11	**5.3**	**12**	**18**	**4.5**	**72**	**120**	<2.0	452
MW-701B	25 - 35	Overburden	16-Jun-11	<75	**170**	**110**	**430**	**320**	**5,200**	<200	6,230
MW-701C	50 - 60	Bedrock	16-Jun-11	<38	**120**	**57**	**460**	**290**	**3,200**	<100	4,127
4 Old Newtown Road (Amphenol RF; *formerly* Medsource & Tenax Corp.)											
MW-702A	2 - 8	Overburden	16-Jun-11	<0.75	<0.5	<0.5	<0.5	<0.5	**2.8**	**82**	85
MW-702B	11 - 21	Overburden	16-Jun-11	<0.75	**1.4**	**4.4**	**6.6**	**1.4**	**140**	**14**	168
MS-MW-2	7 - 12	Overburden	16-Jun-11	<0.75	<0.5	0.68	<0.5	<0.5	**3**	<2.0	4
MS-MW-4	3 - 8	Overburden	16-Jun-11	<15	<10	<10	<10	<10	<10	**890**	890
MS-MW-7	6.4 - 11.4	Overburden	30-Jun-11	<0.75	**1.0**	**2.8**	**1.6**	<0.5	**45**	<2.0	50

Notes/Abbreviations:

Data presented above has not been validated yet.

ug/l = micrograms per liter (parts per billion)

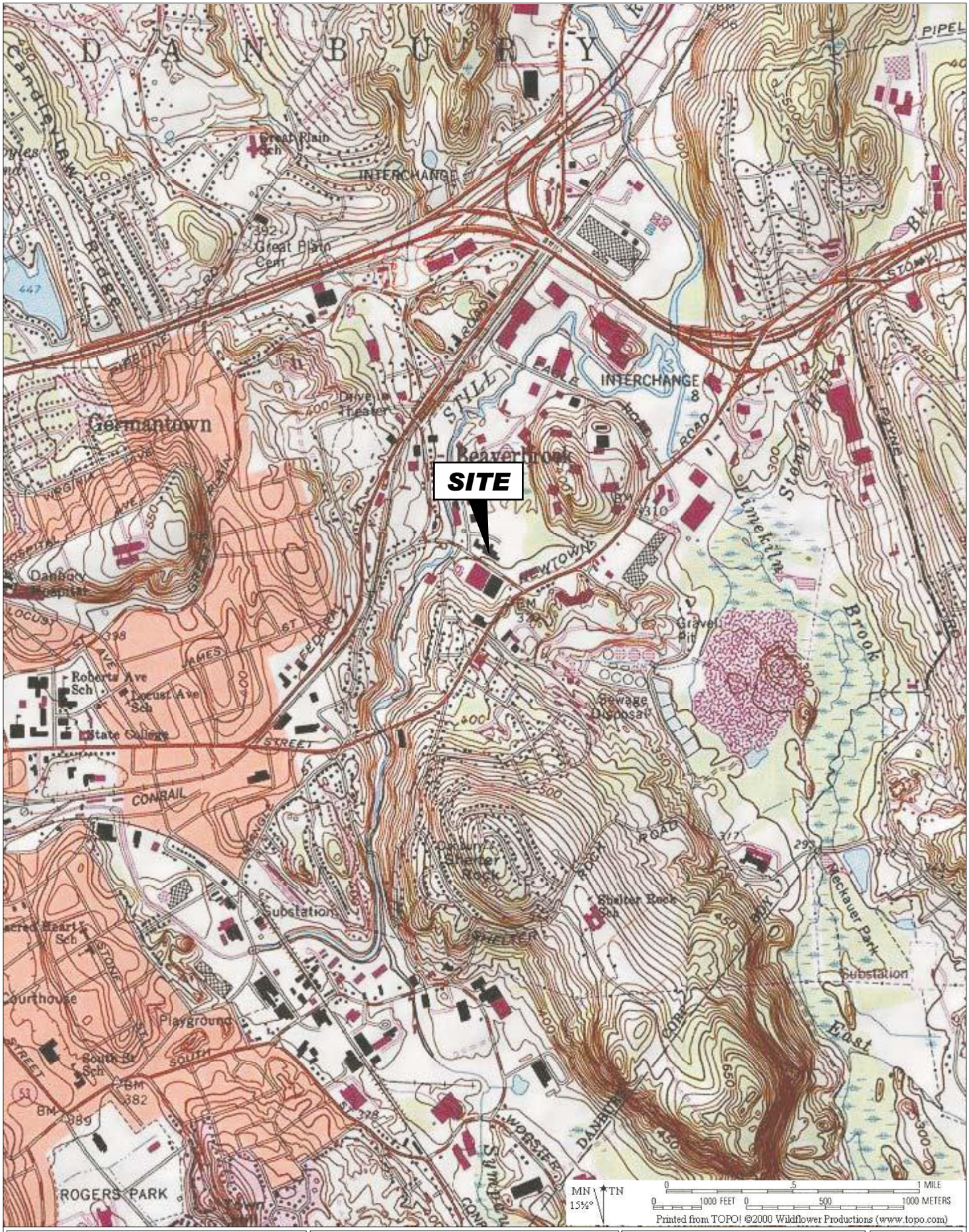
SWPC = CTDEEP Remediation Standard Regulations (RSRs) Surface Water Protection Criteria

Vol-I/C = CTDEEP RSRs Volatilization Criteria Industrial/Commercial (I/C) - 1996, except cis-1,2-DCE (Proposed Revisions, March 2003) since no 1996 promulgated standard.

Vol-Res = CTDEEP RSRs Volatilization Criteria Residential (Res) - 1996, except cis-1,2-DCE (Proposed Revisions, March 2003) since no 1996 promulgated standard.

NE = No standard has been established for this particular compound in the CTDEEP RSRs

[1] The CT WQS - Aquatic includes the December 2009 Proposed Aquatic Freshwater Chronic values as no promulgated standards are currently in place (Feb 2011).



WOODARD & CURRAN
35 New England Business Center
Andover, MA 01810
COMMITMENT & INTEGRITY DRIVE RESULTS

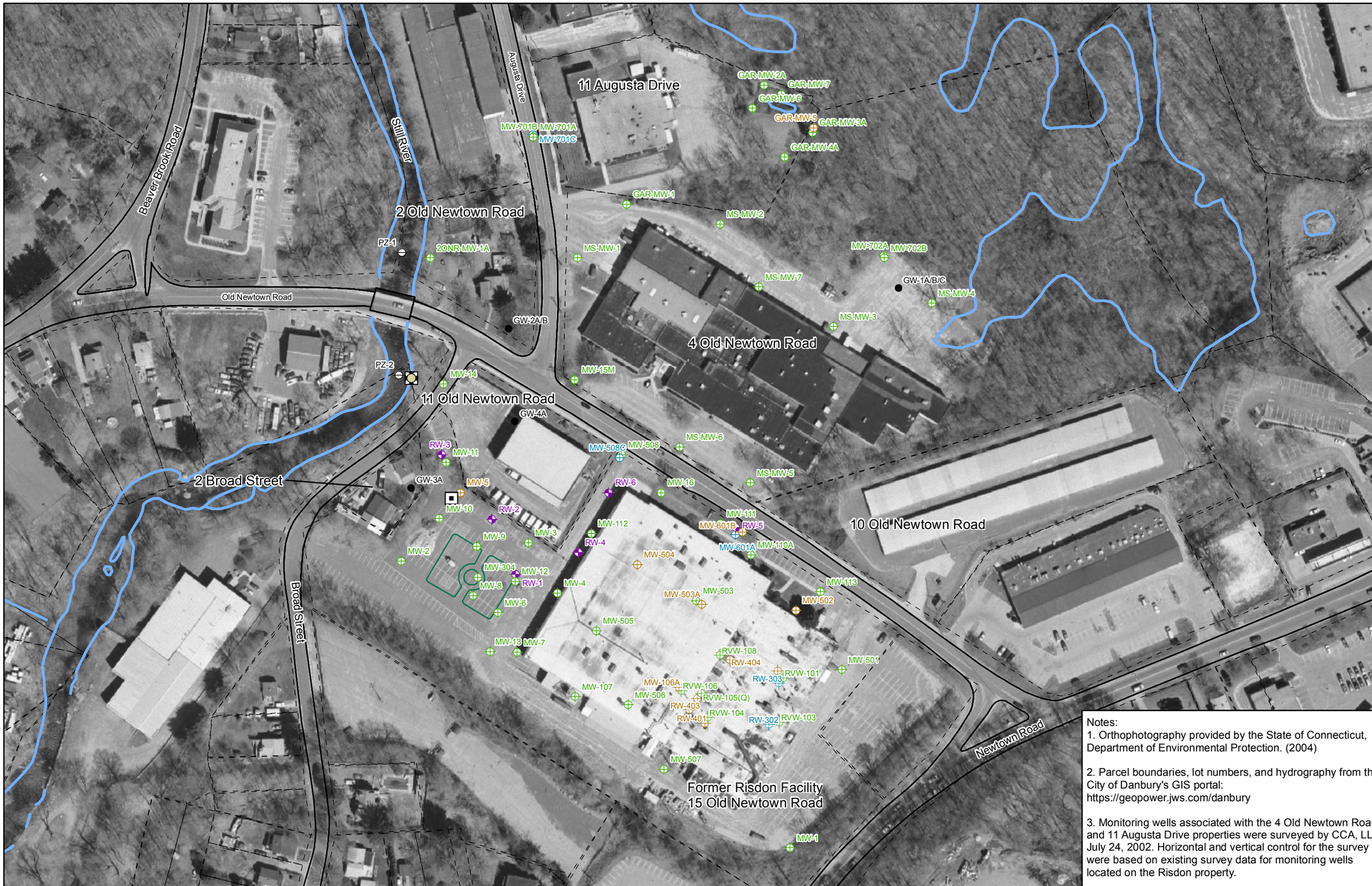
15 OLD NEWTOWN ROAD
DANBURY, CONNECTICUT

SCALE: AS NOTED	JOB NO.: 97001
DATE: SEPTEMBER 2011	FILE: Figure 1.cnv

SITE LOCATION

DES.BY: EVR
DR.BY: EVR
CK.BY: CMR

1



Notes:
1. Orthophotography provided by the State of Connecticut, Department of Environmental Protection. (2004)

2. Parcel boundaries, lot numbers, and hydrography from the City of Danbury's GIS portal: https://geopower.jws.com/danbury

3. Monitoring wells associated with the 4 Old Newtown Road and 11 Augusta Drive properties were surveyed by CCA, LLC July 24, 2002. Horizontal and vertical control for the survey were based on existing survey data for monitoring wells located on the Risdon property.

N
W E
S

Legend

- Active Recovery Well
- Groundwater Profile Location (2001)
- Monitoring Well, Bedrock
- Monitoring Well, Overburden
- Monitoring Well, Weathered Bedrock
- Piezometer
- Hydrography
- Roads
- Former Lagoon Area
- Parcel Boundaries
- CatchBasin
- Outfall

0 75 150 300 450 Feet

1 inch = 150 feet

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COMMITMENT & INTEGRITY DRIVE RESULTS
WOODARD & CURRAN

SITE PLAN

15 Old Newtown Road
Danbury, Connecticut

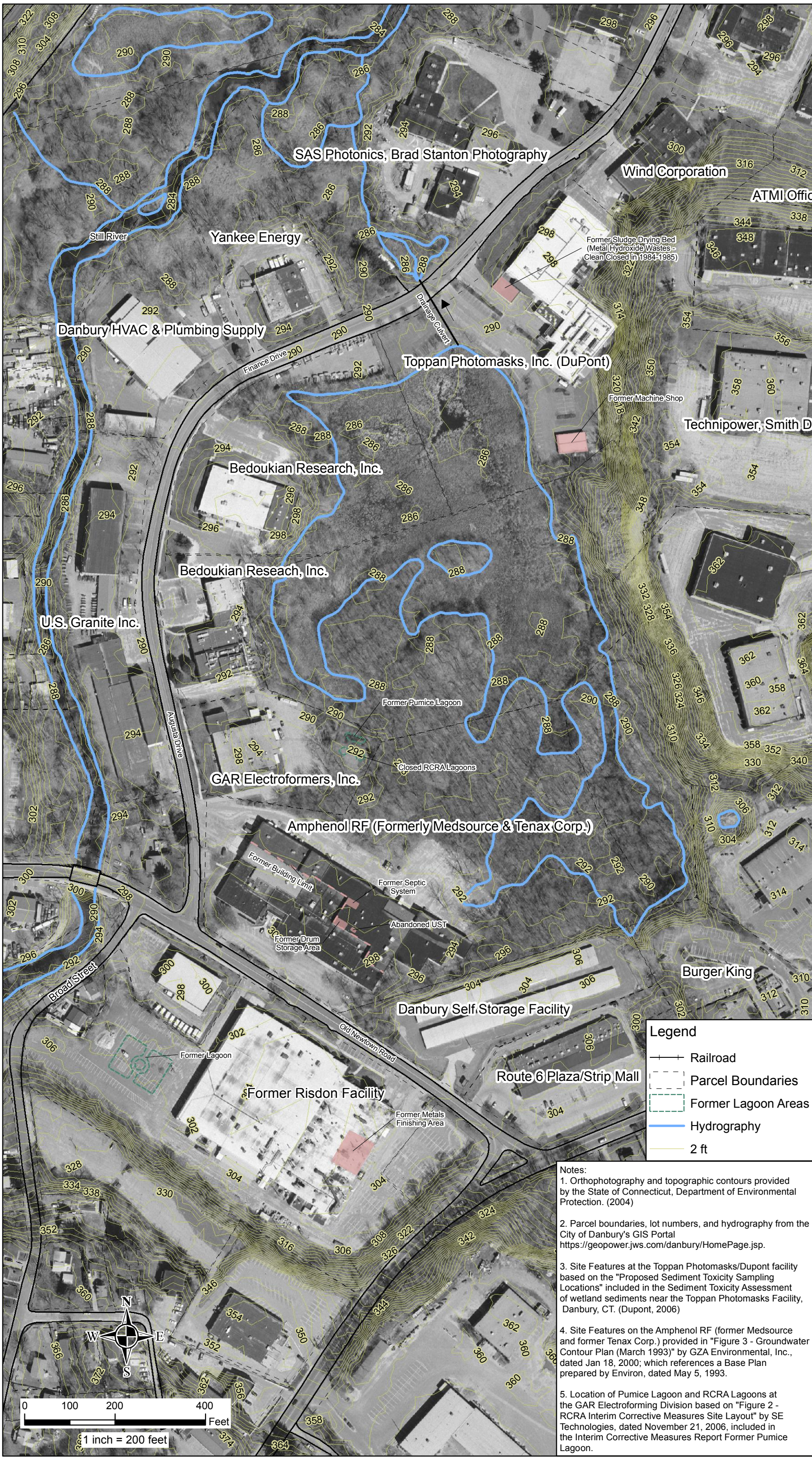
Off-Property Investigation
Summary Report

Job NO: 97001

BY: SMO

September 2011

FIGURE 2



Notes:
1. Orthophotography and topographic contours provided by the State of Connecticut, Department of Environmental Protection. (2004)

2. Parcel boundaries, lot numbers, and hydrography from the City of Danbury's GIS Portal https://geopower.jws.com/danbury/HomePage.jsp.

3. Site Features at the Toppan Photomasks/Dupont facility based on the "Proposed Sediment Toxicity Sampling Locations" included in the Sediment Toxicity Assessment of wetland sediments near the Toppan Photomasks Facility, Danbury, CT. (Dupont, 2006)

4. Site Features on the Amphenol RF (former Medsource and former Tenax Corp.) provided in "Figure 3 - Groundwater Contour Plan (March 1993)" by GZA Environmental, Inc., dated Jan 18, 2000; which references a Base Plan prepared by Environ, dated May 5, 1993.

5. Location of Pumice Lagoon and RCRA Lagoons at the GAR Electroforming Division based on "Figure 2 - RCRA Interim Corrective Measures Site Layout" by SE Technologies, dated November 21, 2006, included in the Interim Corrective Measures Report Former Pumice Lagoon.

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Off-Property Investigation
Summary Report

Surrounding Area and
Topographic Elevations

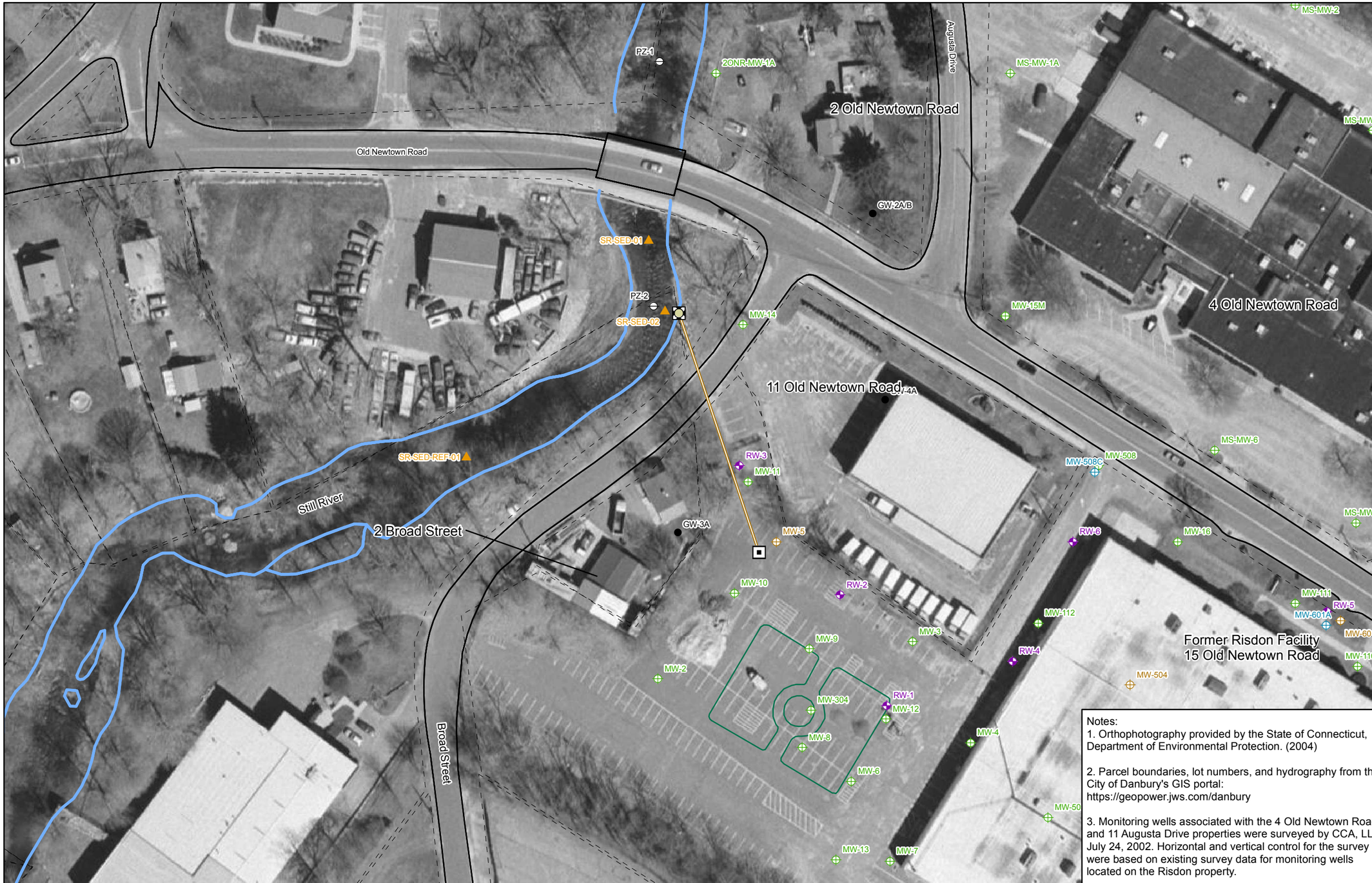
15 Old Newtown Road
Danbury, Connecticut

Job NO: 97001

DRAWN BY: SMO

September 2011

FIGURE 3



Notes:
1. Orthophotography provided by the State of Connecticut, Department of Environmental Protection. (2004)

2. Parcel boundaries, lot numbers, and hydrography from the City of Danbury's GIS portal: https://geopower.jws.com/danbury

3. Monitoring wells associated with the 4 Old Newtown Road and 11 Augusta Drive properties were surveyed by CCA, LLC July 24, 2002. Horizontal and vertical control for the survey were based on existing survey data for monitoring wells located on the Risdon property.

N
W E
S

Legend

- Active Recovery Well
- Groundwater Profile Location (2001)
- Monitoring Well, Bedrock
- Monitoring Well, Overburden
- Monitoring Well, Weathered Bedrock
- Piezometer,
- Sediment/Surface Water Sample Location
- Hydrography
- Roads
- Drainage Line
- Former Lagoon Area
- Parcel Boundaries
- Catch Basin
- Outfall

0 37.5 75 150 225 Feet

1 inch = 75 feet

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Still River Outfall Investigation

15 Old Newtown Road
Danbury, Connecticut

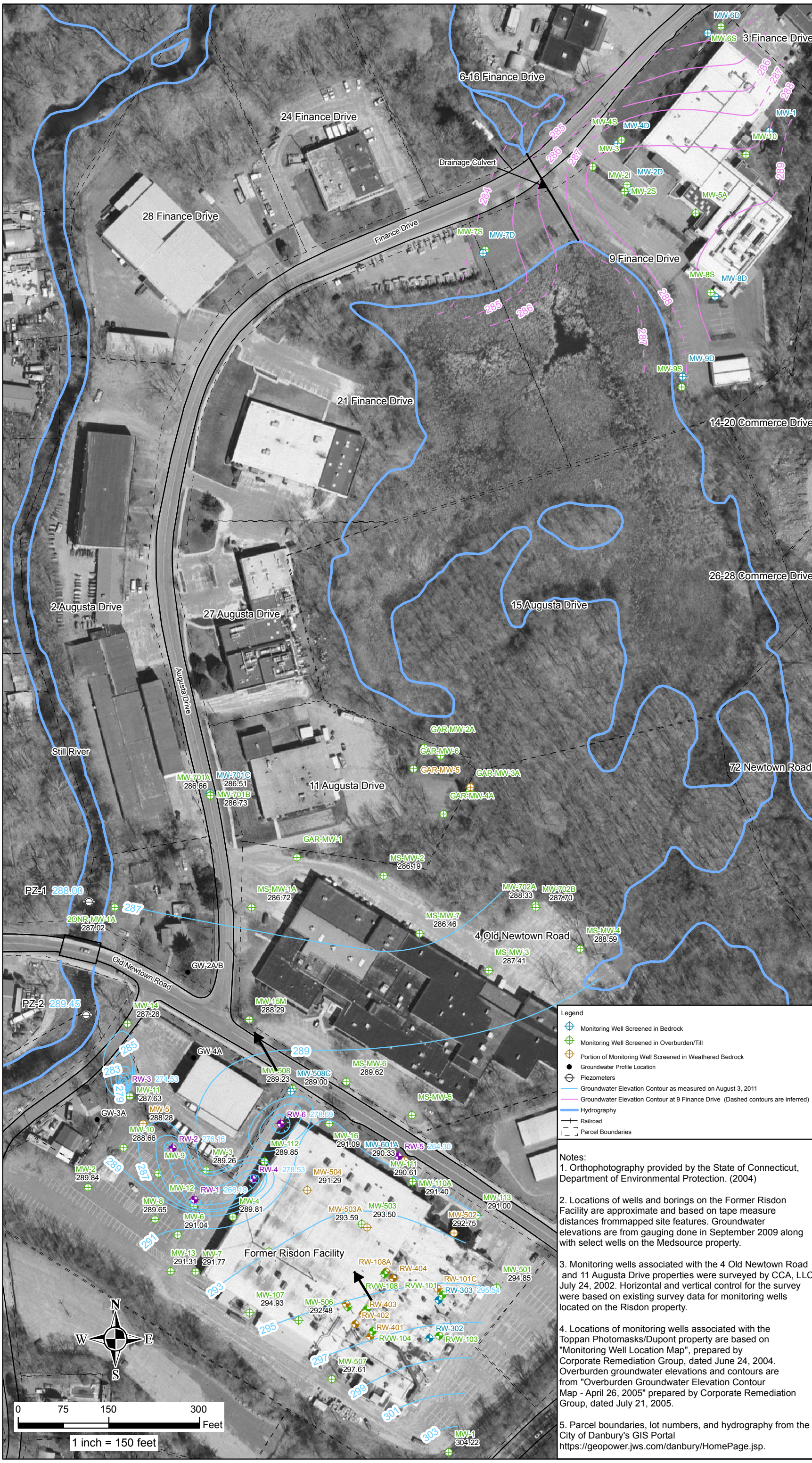
Off-Property Investigation
Summary Report

Job NO: 97001

BY: SMO

September 2011

FIGURE 4



Notes:

1. Orthophotography provided by the State of Connecticut, Department of Environmental Protection. (2004)

2. Locations of wells and borings on the Former Risdon Facility are approximate and based on tape measure distances frommapped site features. Groundwater elevations are from gauging done in September 2009 along with select wells on the Medsource property.

3. Monitoring wells associated with the 4 Old Newtown Road and 11 Augusta Drive properties were surveyed by CCA, LLC July 24, 2002. Horizontal and vertical control for the survey were based on existing survey data for monitoring wells located on the Risdon property.

4. Locations of monitoring wells associated with the Toppan Photomasks/Dupont property are based on "Monitoring Well Location Map", prepared by Corporate Remediation Group, dated June 24, 2004. Overburden groundwater elevations and contours are from "Overburden Groundwater Elevation Contour Map - April 26, 2005" prepared by Corporate Remediation Group, dated July 21, 2005.

5. Parcel boundaries, lot numbers, and hydrography from the City of Danbury's GIS Portal https://geopower.jws.com/danbury/HomePage.jsp.

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Off-Property Investigation Summary Report

Inferred Groundwater Elevation Contours

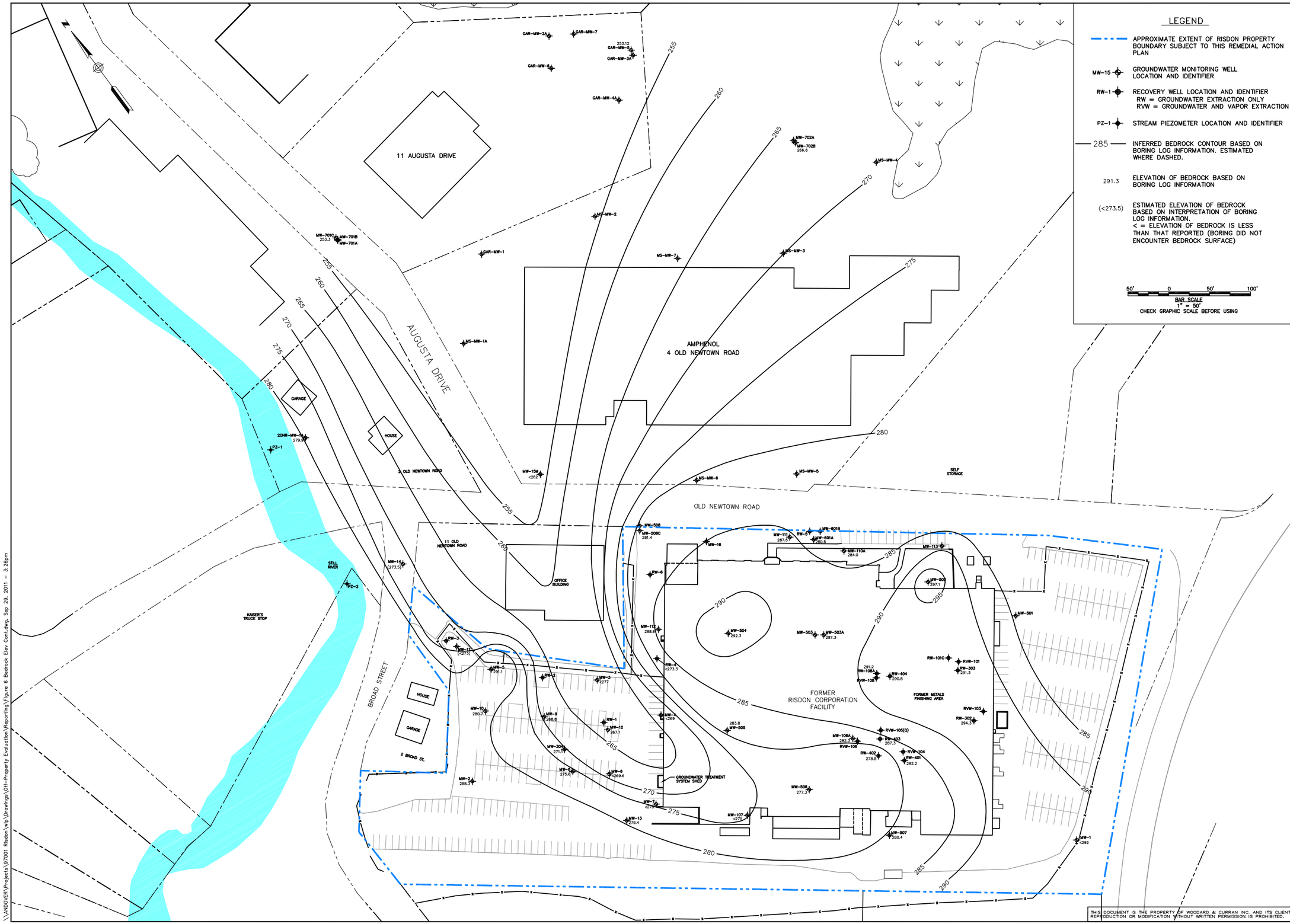
15 Old Newtown Road
Danbury, Connecticut

Job NO: 97001

DRAWN BY: SMO

September 2011

FIGURE 5



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REV	DESCRIPTION	DATE

DESIGNED BY: KBS
DRAWN BY: EVR
CHECKED BY: CMR
Figure 6 Bedrock Elev Cont.dwg

BEDROCK ELEVATION CONTOURS

RISDON CORPORATION
DANBURY, CONNECTICUT

OFF-PROPERTY INVESTIGATION
SUMMARY REPORT

JOB NO.: 97001
DATE: SEPTEMBER 2011
SCALE: AS NOTED
SHEET: OF

FIGURE 6

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\\ANDOVER\Projects\97001 Risdon\wip\Drawings\Off-Property Evaluation\Reporting\Figure 6 Bedrock Elev Cont.dwg, Sep 29, 2011 - 3:26pm

LEGEND

MW-15M — MONITORING WELL IDENTIFIER
WELL CASING
WELL SCREEN
END OF BORING

AVERAGE SEASONAL WATER TABLE ELEVATION

MW-6 — GROUNDWATER MONITORING WELL LOCATION AND IDENTIFIER

RECOVERY WELL LOCATION AND IDENTIFIER
RW=GROUNDWATER EXTRACTION ONLY
RVW=GROUNDWATER AND VAPOR EXTRACTION

RW-1 — ACTIVE GROUNDWATER EXTRACTION WELL

PZ-1 — STREAM PIEZOMETER LOCATION AND IDENTIFIER

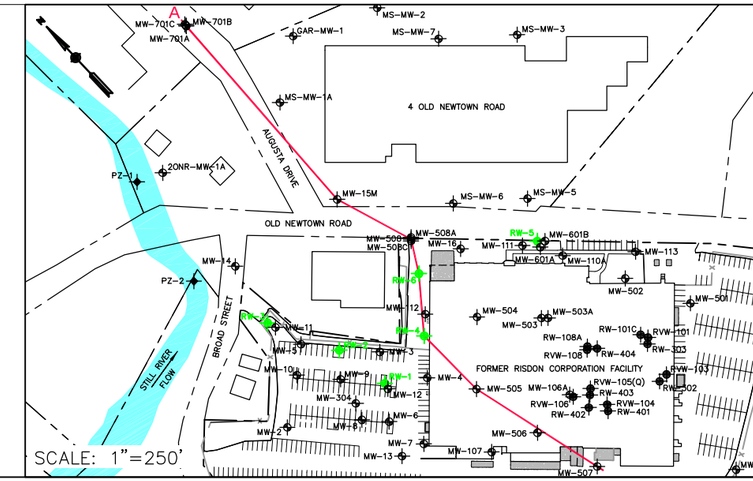
0 80 160
HORIZONTAL SCALE IN FEET

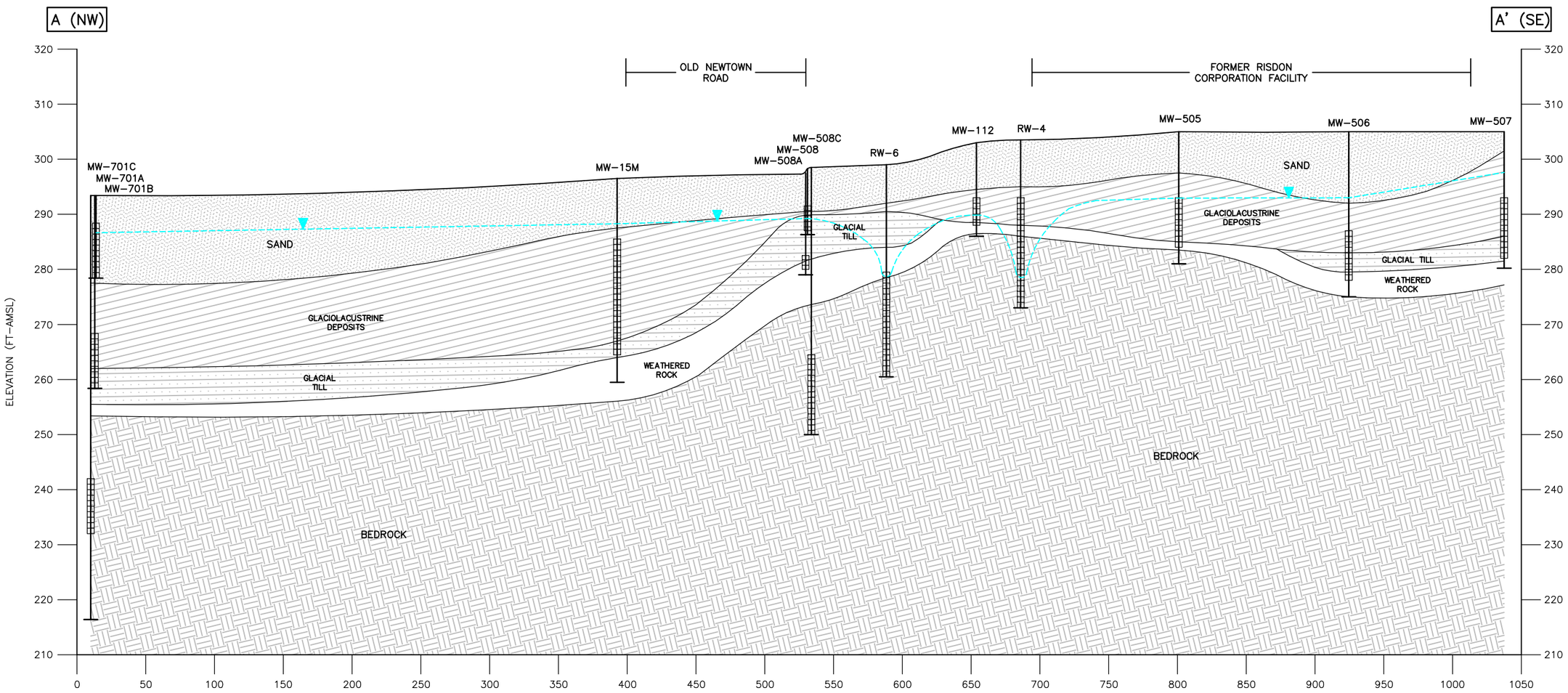
0 20 40
VERTICAL SCALE IN FEET

VERTICAL EXAGGERATION = 4X

NOTES:

1. ALL LITHOLOGIC CONTACTS BASED ON VISUAL OBSERVATION OF DRILLED SOILS DURING BOREHOLE ADVANCEMENT.
2. DEPTH TO BEDROCK BASED ON DRILL TOOLING REFUSAL UNLESS BEDROCK PENETRATED.





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COMMITMENT & INTEGRITY DRIVE RESULTS

WOODARD & CURRAN

GENERALIZED CROSS-SECTION A-A'

DESIGNED BY: MAA
DRAWN BY: EVR
CHECKED BY: CMR
Figure 7 General CS A-A'.dwg

15 OLD NEWTOWN ROAD
DANBURY, CONNECTICUT

OFF-PROPERTY
INVESTIGATION SUMMARY REPORT

JOB NO: 97001
DATE: SEPT. 2011
SCALE: AS NOTED

FIGURE 7

LEGEND

MW-15M — MONITORING WELL IDENTIFIER
WELL CASING
WELL SCREEN
END OF BORING

AVERAGE SEASONAL WATER TABLE ELEVATION

MW-6 — GROUNDWATER MONITORING WELL LOCATION AND IDENTIFIER

RECOVERY WELL LOCATION AND IDENTIFIER
RW=GROUNDWATER EXTRACTION ONLY
RVW=GROUNDWATER AND VAPOR EXTRACTION

RW-1 — ACTIVE GROUNDWATER EXTRACTION WELL

PZ-1 — STREAM PIEZOMETER LOCATION AND IDENTIFIER

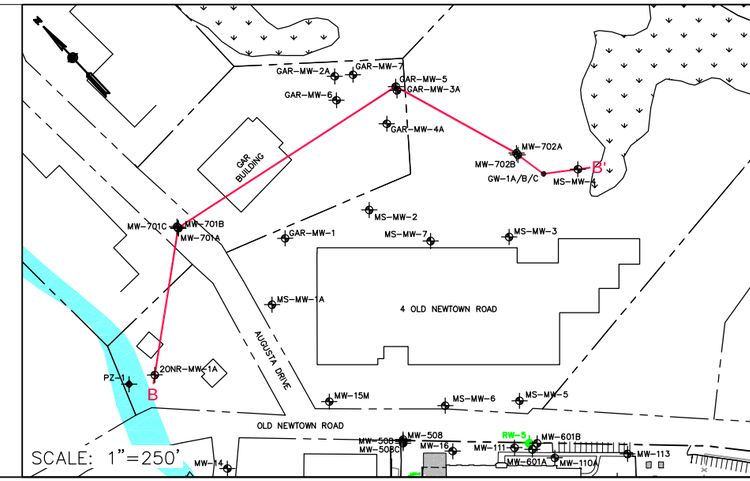
0 80 160
HORIZONTAL SCALE IN FEET

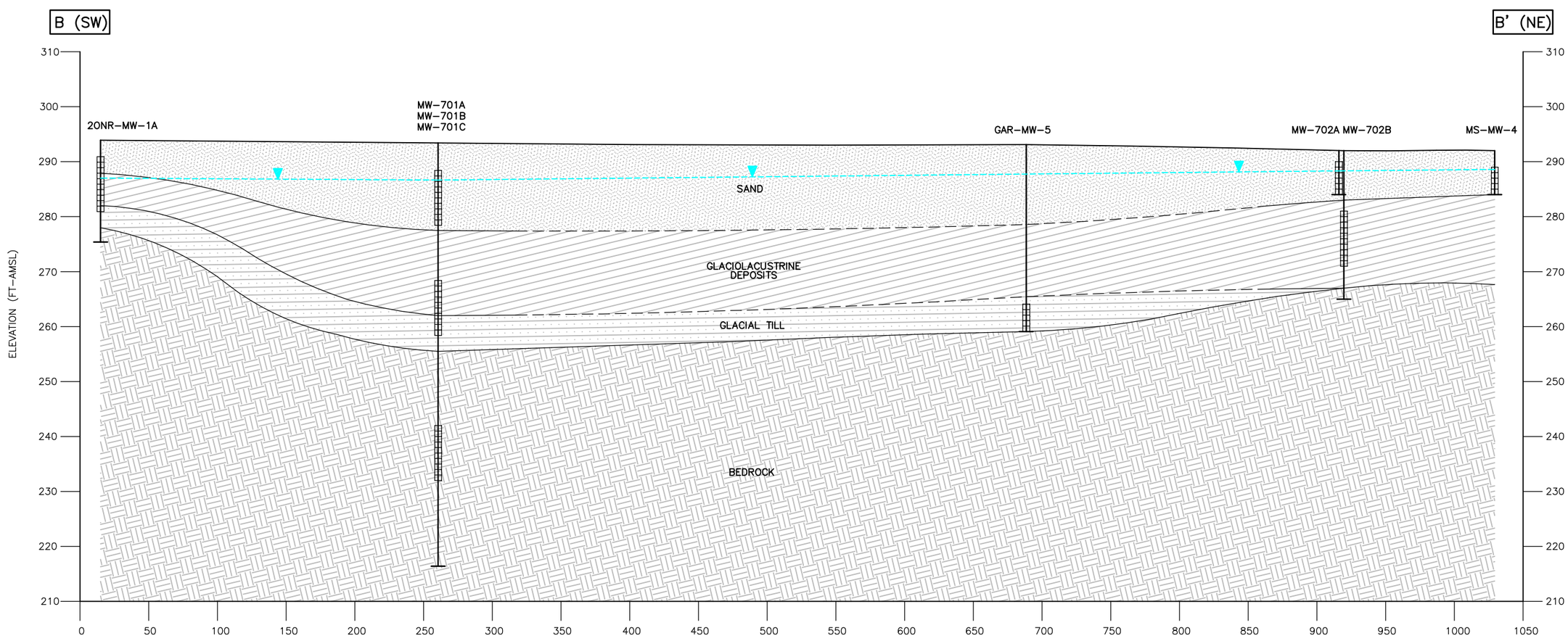
0 20 40
VERTICAL SCALE IN FEET

VERTICAL EXAGGERATION = 4X

NOTES:

1. ALL LITHOLOGIC CONTACTS BASED ON VISUAL OBSERVATION OF DRILLED SOILS DURING BOREHOLE ADVANCEMENT.
2. DEPTH TO BEDROCK BASED ON DRILL TOOLING REFUSAL UNLESS BEDROCK PENETRATED.





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GENERALIZED CROSS-SECTION B-B'

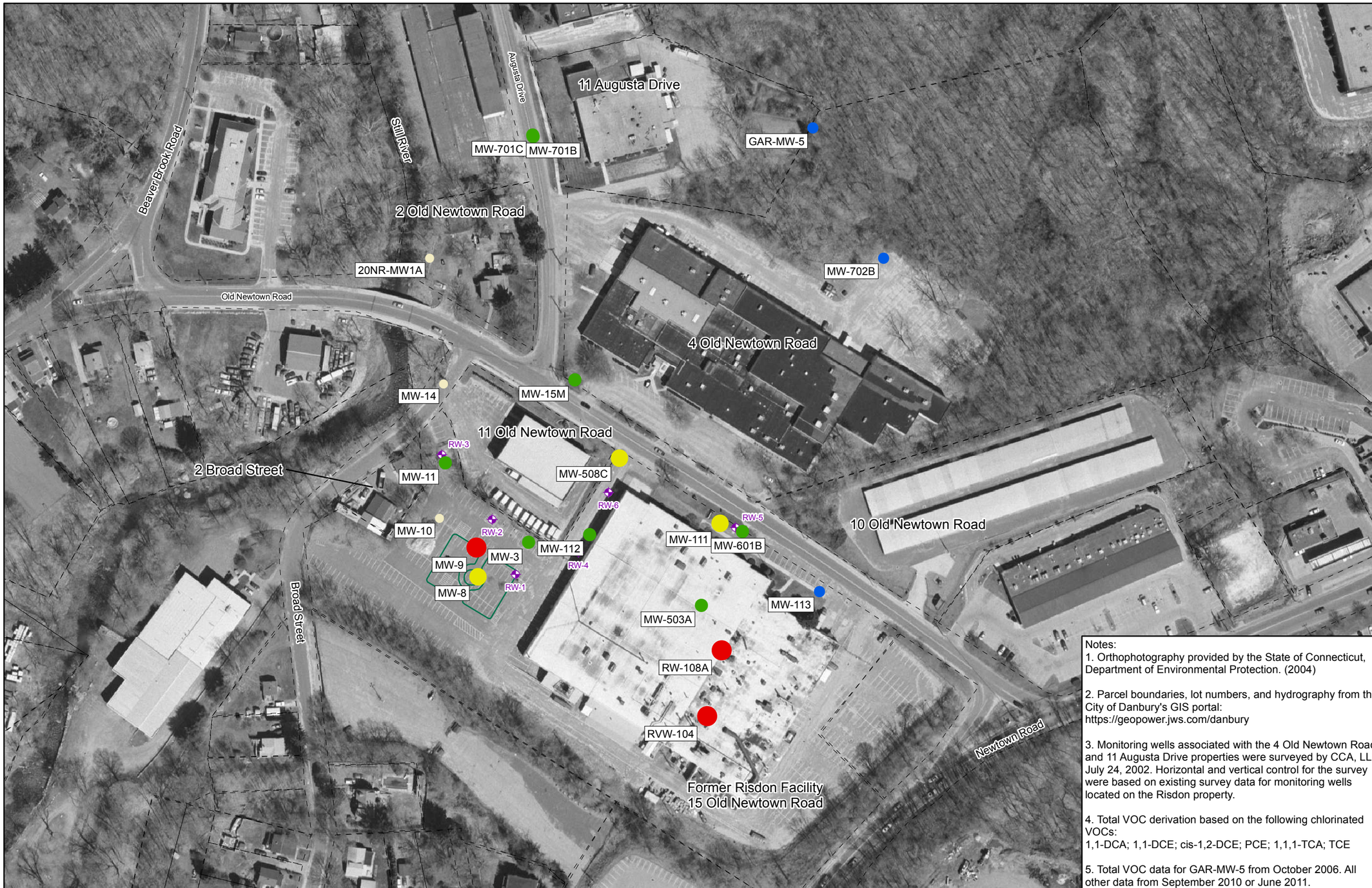
DESIGNED BY: MAA
DRAWN BY: EVR
CHECKED BY: CMR
Figure 8 General CS B-B'.dwg

15 OLD NEWTOWN ROAD
DANBURY, CONNECTICUT

OFF-PROPERTY
INVESTIGATION SUMMARY REPORT

JOB NO: 97001
DATE: SEPT. 2011
SCALE: AS NOTED

FIGURE 8



Notes:
1. Orthophotography provided by the State of Connecticut, Department of Environmental Protection. (2004)

2. Parcel boundaries, lot numbers, and hydrography from the City of Danbury's GIS portal: https://geopower.jws.com/danbury

3. Monitoring wells associated with the 4 Old Newtown Road and 11 Augusta Drive properties were surveyed by CCA, LLC July 24, 2002. Horizontal and vertical control for the survey were based on existing survey data for monitoring wells located on the Risdon property.

4. Total VOC derivation based on the following chlorinated VOCs:
1,1-DCA; 1,1-DCE; cis-1,2-DCE; PCE; 1,1,1-TCA; TCE

5. Total VOC data for GAR-MW-5 from October 2006. All other data from September 2010 or June 2011.

N
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Legend

- <100 ug/l
- 100 - 1,000 ug/l
- 1,000 - 10,000 ug/l
- 10,000 - 50,000 ug/l
- >50,000 ug/l
- Active Recovery Wells
- Hydrography
- Roads
- Former Lagoon Area
- Parcel Boundaries

0 75 150 300 450 Feet

1 inch = 150 feet

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TOTAL VOCS - DEEP OVERBURDEN AND BEDROCK WELLS

15 Old Newtown Road
Danbury, Connecticut

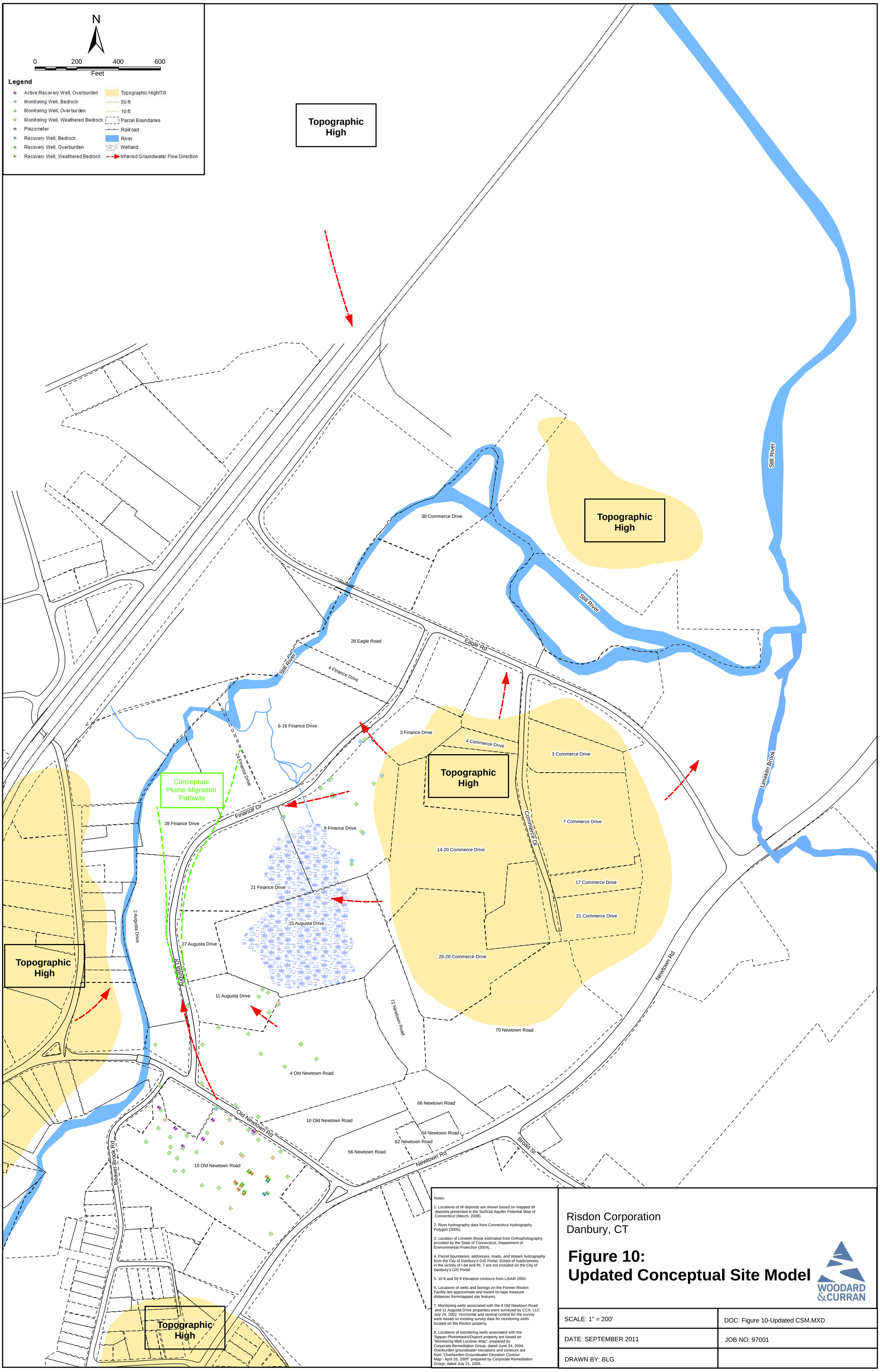
Off-Property Investigation
Summary Report

Job NO: 97001

BY: SMO

September 2011

FIGURE 9



Notes:

1. Locations of till deposits are shown based on mapped till deposits presented in the Surficial Aquifer Potential Map of Connecticut (March, 2008).

2. River hydrography data from Connecticut Hydrography Polygon (2005).

3. Location of Limekiln Brook estimated from Orthophotography provided by the State of Connecticut, Department of Environmental Protection (2004).

4. Parcel boundaries, addresses, roads, and stream hydrography from the City of Danbury's GIS Portal. Extent of roads/streets in the vicinity of I-84 and Rt. 7 are not included on the City of Danbury's GIS Portal.

5. 10 ft and 50 ft Elevation contours from LiDAR 2000.

6. Locations of wells and borings on the Former Risdon Facility are approximate and based on tape measure distances frommapped site features.

7. Monitoring wells associated with the 4 Old Newtown Road and 11 Augusta Drive properties were surveyed by CCA, LLC July 24, 2002. Horizontal and vertical control for the survey were based on existing survey data for monitoring wells located on the Risdon property.

8. Locations of monitoring wells associated with the Toppan Photomasks/Dupont property are based on "Monitoring Well Location Map", prepared by Corporate Remediation Group, dated June 24, 2004. Overburden groundwater elevations and contours are from "Overburden Groundwater Elevation Contour Map - April 26, 2005" prepared by Corporate Remediation Group, dated July 21, 2005.

Risdon Corporation
Danbury, CT

Figure 10: Updated Conceptual Site Model

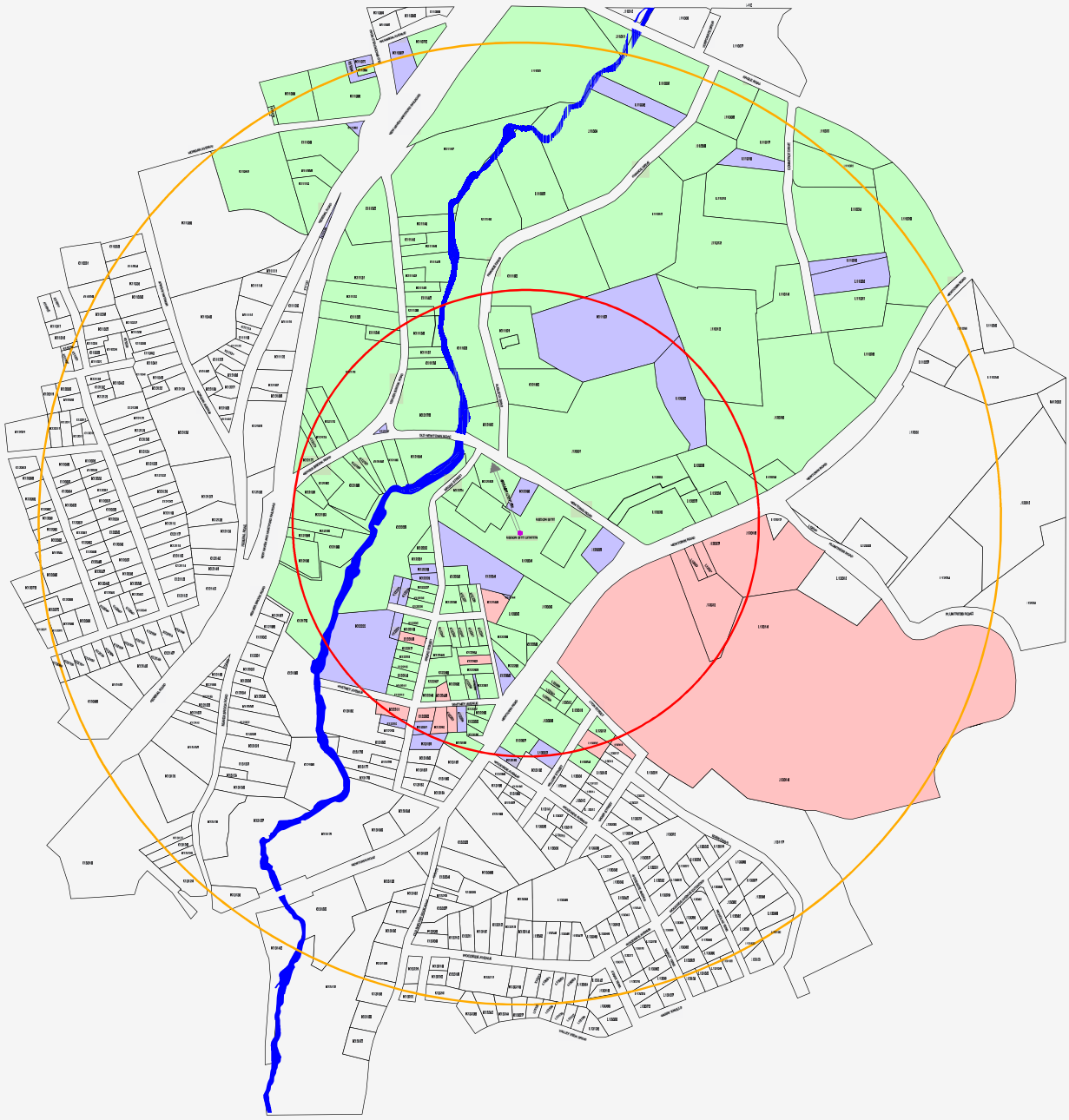
WOODARD & CURRAN

SCALE: 1" = 200'	DOC: Figure 10-Updated CSM.MXD
DATE: SEPTEMBER 2011	JOB NO: 97001
DRAWN BY: BLG	

APPENDIX A: GROUNDWATER CLASSIFICATION MAPS

Public Water Supply Survey

Risdon Site and Surrounding Properties
Danbury, Ct



Supplied with Public Water | Not Supplied with Public Water | Undeveloped Property

Properties Which are Outside the 1/2-Mile Radius Down Gradient or 1/4-Mile Radius Up Gradient of the Risdon Site.

1/2-Mile Radius of Risdon Site | 1/4-Mile Radius of Risdon Site | Still River

Public water availability based on information provided by the City of Danbury Public Utilities
Source: City of Danbury, CT tax assessor's maps

N

300 0 300 600 900 Feet

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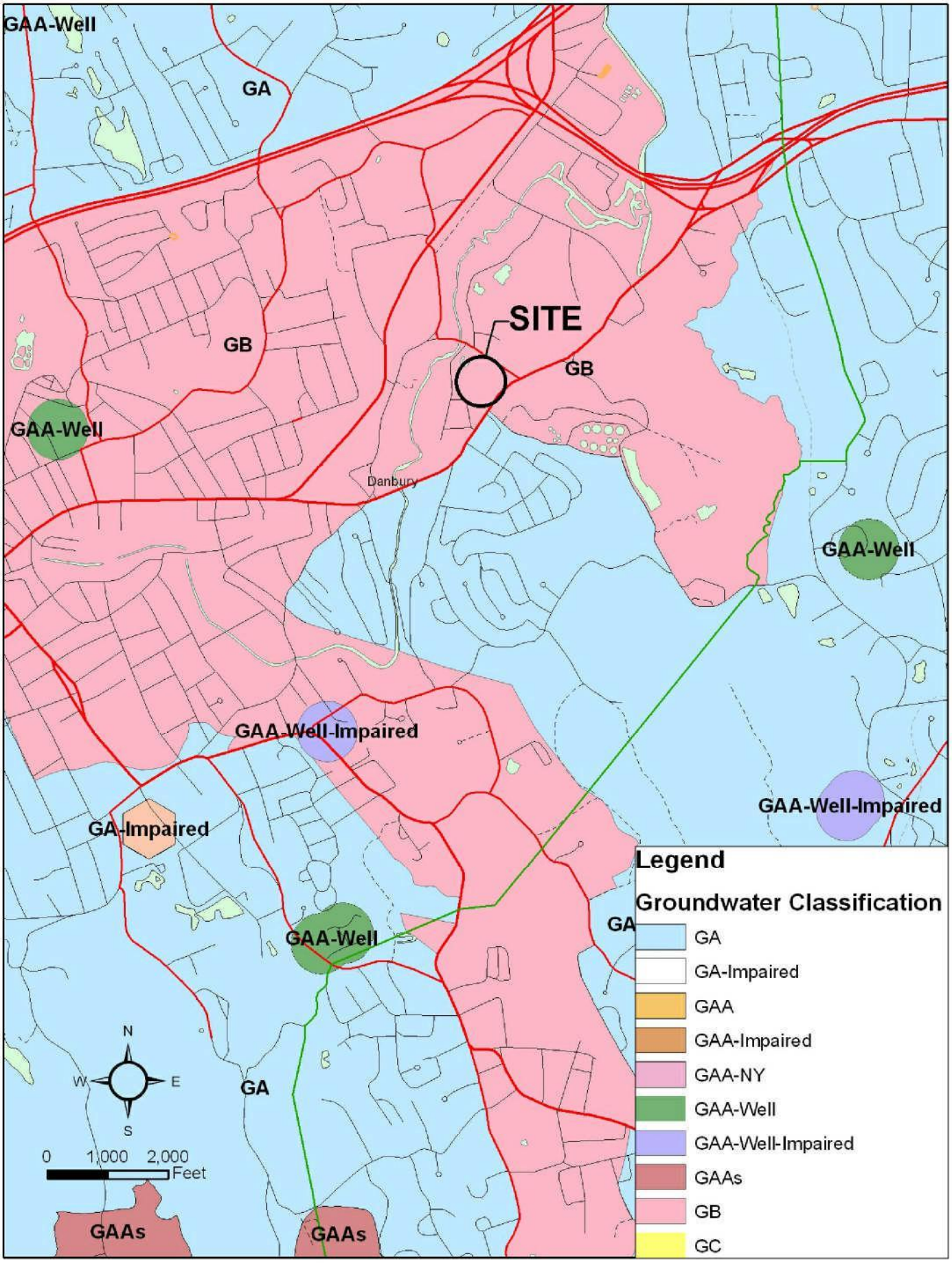
Engineering • Science • Operations

Project No. 97001.07
February 2001

ECAF - FIGURE 3



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COMMITMENT & INTEGRITY DRIVE RESULTS

GROUNDWATER CLASSIFICATION MAP

DESIGNED BY:
CHECKED BY:
DRAWN BY: EVR
Figure 6 GW Classification.dwg

15 OLD NEWTOWN ROAD
DANBURY, CONNECTICUT

OFF-PROPERTY
INVESTIGATION WORK PLAN

JOB NO: 97001
DATE: SEPT. 2011
SCALE: AS NOTED

FIGURE 6

APPENDIX B: SEDIMENT AND SURFACE WATER ANALYTICAL REPORTS AND DATA VALIDATION SUMMARY

RISDON DANBURY, CT - PROJECT SUMMARY

Alpha Laboratories Job Number: L1111608

A modified Tier II validation was performed on the data. The criteria detailed below were used to qualify the data. Raw data were not used to verify the results reported by the laboratory.

Samples were received at 2.8 degrees Celsius. No qualifications will be applied.

VOCs:

All volatile organic compound (VOC) samples were analyzed within technical holding time. No qualifications will be applied.

All VOC surrogates met acceptance criteria. No qualifications will be applied.

All VOC method blank(s) were non-detect (ND) for all target compounds. No qualifications will be applied.

VOC field blank sample, TRIP BLANK (L1111608-09), was ND for all target compounds. No qualifications will be applied.

No VOC matrix spike/matrix spike duplicate (MS/MSD) was performed on a sample from this analytical package. No qualifications will be applied.

The VOC laboratory control sample (LCS)/laboratory control sample duplicate (LCSD) met acceptance criteria with the following exceptions:

DATE	COMPOUND	%R/%R	QC LIMIT	AFFECTED SAMPLES	QUALIFIER FLAG
08/05/2011	Acetone	133/ok	70-130	L1111608-01 through -04	None, samples ND
08/08/2011	Acetone	148/148	70-130	L1111608-09	None, sample ND

VOC sediment field duplicate samples SR-SED-01 (L1111608-01)/SR-SED-50 (L1111608-04) and aqueous field duplicate samples SR-SW-01 (L1111608-05)/SR-SW-50 (L1111608-08) did not have positive results for any compounds. No qualifications will be applied.

Metals:

All metals samples were digested and analyzed within technical holding times. No qualifications will be applied.

All metals method blank(s) were ND for all target analytes. No qualifications will be applied.

No metals field blank samples were submitted with this analytical package. No qualifications will be applied.

The ICP metals MS performed on samples SR-SED-01 (L1111608-01) and SR-SW-01 (L1111608-05) and the mercury MS performed on samples SR-SED-01 (L1111608-01) and SR-SW-REF-01 (L1111608-07) met acceptance criteria (75-125%) with the exception of antimony (57%) in the MS of sample SR-SED-01 (L1111608-01). The detected antimony results in sediment samples SR-SED-01 (L1111608-01), SR-SED-02 (L1111608-02), SR-SED-REF-01 (L1111608-03), and SR-SED-50 (L1111608-04) will be estimated (JL) with a low bias.

The ICP metals laboratory duplicate performed on samples SR-SED-01 (L1111608-01) and SR-SW-01 (L1111608-05) and the mercury laboratory duplicate performed on samples SR-SED-01 (L1111608-01) and SR-SW-REF-01 (L1111608-07) met relative percent difference (RPD) acceptance criteria (≤20%-aqeuous/≤35%-sediment) with the exceptions of arsenic (50%), copper (133%), lead (43%), nickel (45%), and mercury (47%) in laboratory duplicate sample SR-SED-01 (L1111608-01). The detected arsenic, copper, lead, nickel, and mercury results in sediment samples SR-SED-01 (L1111608-01), SR-SED-02 (L1111608-02), SR-SED-REF-01 (L1111608-03), and SR-SED-50 (L1111608-04) will be estimated (JK) with an unknown bias.

The metals LCS met acceptance criteria. No qualifications will be applied.

RISDON DANBURY, CT - PROJECT SUMMARY

Alpha Laboratories Job Number: L1111608

Metals sediment field duplicate samples SR-SED-01 (L1111608-01)/SR-SED-50 (L1111608-04) had detected results for all target analytes except silver and aqueous field duplicate samples SR-SW-01 (L1111608-05)/SR-SW-50 (L1111608-08) had detected results for arsenic, copper, nickel, and zinc. The RPD between the sample results met acceptance criteria (≤30%-aqeuous/≤50%-sediment) for all analytes with the exceptions of arsenic (67%), lead (58%), mercury (129%), and selenium (114%) in sediment field duplicate samples SR-SED-01 (L1111608-01)/SR-SED-50 (L1111608-04). The detected arsenic, lead, mercury, and selenium results in sediment samples SR-SED-01 (L1111608-01), SR-SED-02 (L1111608-02), SR-SED-REF-01 (L1111608-03), and SR-SED-50 (L1111608-04) will be estimated (JK) with an unknown bias.

Detection limits were raised for all analytes in sediment samples SR-SED-01 (L1111608-01), SR-SED-02 (L1111608-02), SR-SED-REF-01 (L1111608-03), and SR-SED-50 (L1111608-04) due to dilutions performed because of the elevated concentrations of target analytes and/or due to sample matrix.

Cyanide:

All cyanide (CN) samples were prepared and analyzed within technical holding times. No qualifications will be applied.

All CN method blank(s) were ND. No qualifications will be applied.

No CN field blank samples were submitted with this analytical package. No qualifications will be applied.

No CN MS/MSD was performed on a sample from this analytical package. No qualifications will be applied.

No CN laboratory duplicate was performed on a sample from this analytical package. No qualifications will be applied.

The CN LCS/LCSD met acceptance criteria. No qualifications will be applied.

CN sediment field duplicate samples SR-SED-01 (L1111608-01)/SR-SED-50 (L1111608-04) and aqueous field duplicate samples SR-SW-01 (L1111608-05)/SR-SW-50 (L1111608-08) were all ND. No qualifications will be applied.

Data Check, Inc.
P.O. Box 29
81 Meaderboro Road
New Durham, NH 03855

Gloria J. Switalski:
President

Date: 9/1/2011

ANALYTICAL REPORT

Lab Number:	L1111608
Client:	Woodard & Curran 35 New England Business Center Drive Suite 180 Andover, MA 01810
ATTN:	Cathy Rockwell
Phone:	(978) 557-8150
Project Name:	RISDON
Project Number:	97001.00
Report Date:	08/24/11

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1111608
Report Date: 08/24/11

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1111608-01	SR-SED-01	DANBURY, CT	07/29/11 09:30
L1111608-02	SR-SED-02	DANBURY, CT	07/29/11 09:00
L1111608-03	SR-SED-REF-01	DANBURY, CT	07/29/11 09:55
L1111608-04	SR-SED-50	DANBURY, CT	07/29/11 09:30
L1111608-05	SR-SW-01	DANBURY, CT	07/29/11 09:20
L1111608-06	SR-SW-02	DANBURY, CT	07/29/11 08:50
L1111608-07	SR-SW-REF-01	DANBURY, CT	07/29/11 09:50
L1111608-08	SR-SW-50	DANBURY, CT	07/29/11 09:20
L1111608-09	TRIP BLANK	DANBURY, CT	07/29/11 00:00

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1111608
Report Date: 08/24/11

CT DEP Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	YES
1a	Were the method specified preservation and holding time requirements met?	YES
1b	VPH & EPH Methods Only: Was the VPH or EPH Method conducted without significant modifications (see Section 11.3 of respective Methods)?	N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	YES
3	Were all samples received at an appropriate temperature (<6°C)?	YES
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	NO
5a	Were reporting limits specified or referenced on the chain-of-custody?	YES
5b	Were these reporting limits met?	NO
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	NO
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	YES

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or question B is "No", the data package does not meet the requirements for "Reasonable Confidence".

Project Name: RISDON **Lab Number:** L1111608
Project Number: 97001.00 **Report Date:** 08/24/11

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

RCP Related Narratives

Volatile Organics

The initial calibration, associated with L1111608-05 through -09, utilized a quadratic fit for Acetone, Carbon Tetrachloride, Dibromochloromethane, 1,1,1,2-Tetrachloroethane, and Bromoform.

Curve Fit Quadratic:

y = b + (m1 * x) + (m2 * x^2)

Where:

Y= Amount unknown/Amount Internal Standard

x = Response unknown/Response internal standard

b= Constant

m1= Linear Term

m2= Quadratic Term

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Case Narrative (continued)

L1111608-05 through -09 and the associated WG483518-3 and WG483295-3 Method Blanks were evaluated for the presence of Tetrachloroethene below the reporting limit. All samples were determined to be non-detect for this analyte at 0.25ug/L.
L1111608-01, -02 and -03 and the associated WG483341-3 Method Blank were evaluated for the presence of Bromomethane, Acetone and Acrylonitrile below the reporting limit. All samples were determined to be non-detect for Bromomethane at 1ug/kg and Acetone at 5ug/kg. Acrylonitrile was determined to be non-detect at 1.2ug/kg for sample L1111608-01. Acrylonitrile was detected at the following concentrations in L1111608-02, -03 and -04:
L1111608-02: 1.0ug/kg
L1111608-03: 1.1ug/kg
L1111608-04: 1.3ug/kg
In reference to question 4:
The WG483341-1 LCS recovery, associated with L1111608-01 through -04, is above the individual acceptance criteria for Acetone (133%), but within the overall method allowances. The results of the associated samples are reported; however, all positive detects are considered to have a potentially high bias for this compound.
The WG483518-1/-2 LCS/LCSD recovery, associated with L1111608-09, is above the individual acceptance criteria for Acetone (148%/148%), but within the overall method allowances. The results of the associated sample are reported; however, all positive detects are considered to have a potentially high bias for this compound.
In reference to question 5b:
L1111608-05 through -09: One or more of the target analytes did not achieve the requested regulatory limits.

Total Metals
In reference to question 4:
L1111608: The initial and continuing blanks associated with the samples were above the reporting limit for Silver; however, all samples were below the reporting limit.
The WG485441-4 MS recovery, performed on L1111608-01, is below the acceptance criteria for Antimony

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Case Narrative (continued)

(57%); however, the associated LCS recovery was within criteria. No further action was taken.
The WG485411-4 Laboratory Duplicate RPDs, performed on L1111608-05, are above the acceptance criteria for Copper (25%) and Zinc (32%); however, the sample and duplicate results are less than five times the reporting limit. Therefore, the RPD is valid.
The WG485441-3 Laboratory Duplicate RPDs, performed on L1111608-01, are above the acceptance criteria for Antimony (24%) and Silver (37%); however, the sample and duplicate results are less than five times the reporting limit. Therefore, the RPD is valid.
The WG485443-3 Laboratory Duplicate RPDs, performed on L1111608-01, are outside the acceptance criteria for Arsenic (50%), Copper (133%), Lead (43%), and Nickel (45%). The elevated RPDs have been attributed to the non-homogeneous nature of the sample utilized for the laboratory duplicate.
The WG485443-3 Laboratory Duplicate RPDs, performed on L1111608-01, are above the acceptance criteria for Beryllium (30%), Cadmium (56%) and Selenium (106%); however, the sample and duplicate results are less than five times the reporting limit. Therefore, the RPD is valid.
The WG485446-3 Laboratory Duplicate RPD, performed on L1111608-01, is outside the acceptance criteria for Mercury (47%). The elevated RPD has been attributed to the non-homogeneous nature of the sample utilized for the laboratory duplicate.
In reference to question 6:
At the client's request, all submitted samples were not analyzed for the full RCP list of constituents identified in the method specific analyte list presented in the RCP documents.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Elizabeth Simmons

Title: Technical Director/Representative Date: 08/24/11

ORGANICS

VOLATILES

Project Name: RISDON **Lab Number:** L1111608

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SAMPLE RESULTS

Lab ID:	L1111608-01	Date Collected:	07/29/11 09:30
Client ID:	SR-SED-01	Date Received:	08/01/11
Sample Location:	DANBURY, CT	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	77,8260B		
Analytical Date:	08/05/11 12:55		
Analyst:	BN		
Percent Solids:	80%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics by 5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	--	1
1,1-Dichloroethane	ND		ug/kg	1.5	--	1
Chloroform	ND		ug/kg	1.5	--	1
Carbon tetrachloride	ND		ug/kg	1.0	--	1
1,2-Dichloropropane	ND		ug/kg	3.6	--	1
Dibromochloromethane	ND		ug/kg	1.0	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	--	1
Tetrachloroethene	ND		ug/kg	1.0	--	1
Chlorobenzene	ND		ug/kg	1.0	--	1
Trichlorofluoromethane	ND		ug/kg	5.1	--	1
1,2-Dichloroethane	ND		ug/kg	1.0	--	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	--	1
Bromodichloromethane	ND		ug/kg	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	--	1
1,1-Dichloropropene	ND		ug/kg	5.1	--	1
Bromoform	ND		ug/kg	4.1	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	--	1
Benzene	ND		ug/kg	1.0	--	1
Toluene	ND		ug/kg	1.5	--	1
Ethylbenzene	ND		ug/kg	1.0	--	1
Chloromethane	ND		ug/kg	5.1	--	1
Bromomethane	ND		ug/kg	2.0	--	1
Vinyl chloride	ND		ug/kg	2.0	--	1
Chloroethane	ND		ug/kg	2.0	--	1
1,1-Dichloroethene	ND		ug/kg	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--	1
Trichloroethene	ND		ug/kg	1.0	--	1
1,2-Dichlorobenzene	ND		ug/kg	5.1	--	1
1,3-Dichlorobenzene	ND		ug/kg	5.1	--	1
1,4-Dichlorobenzene	ND		ug/kg	5.1	--	1

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SAMPLE RESULTS

Lab ID: L1111608-01 Date Collected: 07/29/11 09:30

Client ID: SR-SED-01 Date Received: 08/01/11

Sample Location: DANBURY, CT Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics by 5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.0	--	1
p/m-Xylene	ND		ug/kg	2.0	--	1
o-Xylene	ND		ug/kg	2.0	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--	1
Dibromomethane	ND		ug/kg	10	--	1
1,2,3-Trichloropropane	ND		ug/kg	10	--	1
Styrene	ND		ug/kg	2.0	--	1
Dichlorodifluoromethane	ND		ug/kg	10	--	1
Acetone	ND		ug/kg	37	--	1
Carbon disulfide	ND		ug/kg	51	--	1
2-Butanone	ND		ug/kg	10	--	1
4-Methyl-2-pentanone	ND		ug/kg	10	--	1
2-Hexanone	ND		ug/kg	10	--	1
Acrylonitrile	ND		ug/kg	4.1	--	1
Tetrahydrofuran	ND		ug/kg	20	--	1
2,2-Dichloropropane	ND		ug/kg	5.1	--	1
1,2-Dibromoethane	ND		ug/kg	4.1	--	1
1,3-Dichloropropane	ND		ug/kg	5.1	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	--	1
Bromobenzene	ND		ug/kg	5.1	--	1
n-Butylbenzene	ND		ug/kg	1.0	--	1
sec-Butylbenzene	ND		ug/kg	1.0	--	1
tert-Butylbenzene	ND		ug/kg	5.1	--	1
o-Chlorotoluene	ND		ug/kg	5.1	--	1
p-Chlorotoluene	ND		ug/kg	5.1	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.1	--	1
Hexachlorobutadiene	ND		ug/kg	5.1	--	1
Isopropylbenzene	ND		ug/kg	1.0	--	1
p-Isopropyltoluene	ND		ug/kg	1.0	--	1
Naphthalene	ND		ug/kg	5.1	--	1
n-Propylbenzene	ND		ug/kg	1.0	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.1	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.1	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.1	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.1	--	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	--	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	4.1	--	1

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SAMPLE RESULTS

Lab ID:	L1111608-01	Date Collected:	07/29/11 09:30
Client ID:	SR-SED-01	Date Received:	08/01/11
Sample Location:	DANBURY, CT	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics by 5035 - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	100		70-130

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SAMPLE RESULTS

Lab ID:	L1111608-02	Date Collected:	07/29/11 09:00
Client ID:	SR-SED-02	Date Received:	08/01/11
Sample Location:	DANBURY, CT	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	77,8260B		
Analytical Date:	08/05/11 13:22		
Analyst:	BN		
Percent Solids:	80%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics by 5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	8.8	--	1
1,1-Dichloroethane	ND		ug/kg	1.3	--	1
Chloroform	ND		ug/kg	1.3	--	1
Carbon tetrachloride	ND		ug/kg	0.88	--	1
1,2-Dichloropropane	ND		ug/kg	3.1	--	1
Dibromochloromethane	ND		ug/kg	0.88	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	--	1
Tetrachloroethene	ND		ug/kg	0.88	--	1
Chlorobenzene	ND		ug/kg	0.88	--	1
Trichlorofluoromethane	ND		ug/kg	4.4	--	1
1,2-Dichloroethane	ND		ug/kg	0.88	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.88	--	1
Bromodichloromethane	ND		ug/kg	0.88	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.88	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.88	--	1
1,1-Dichloropropene	ND		ug/kg	4.4	--	1
Bromoform	ND		ug/kg	3.5	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.88	--	1
Benzene	ND		ug/kg	0.88	--	1
Toluene	ND		ug/kg	1.3	--	1
Ethylbenzene	ND		ug/kg	0.88	--	1
Chloromethane	ND		ug/kg	4.4	--	1
Bromomethane	ND		ug/kg	1.8	--	1
Vinyl chloride	ND		ug/kg	1.8	--	1
Chloroethane	ND		ug/kg	1.8	--	1
1,1-Dichloroethene	ND		ug/kg	0.88	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	--	1
Trichloroethene	ND		ug/kg	0.88	--	1
1,2-Dichlorobenzene	ND		ug/kg	4.4	--	1
1,3-Dichlorobenzene	ND		ug/kg	4.4	--	1
1,4-Dichlorobenzene	ND		ug/kg	4.4	--	1

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SAMPLE RESULTS

Lab ID: L1111608-02 Date Collected: 07/29/11 09:00

Client ID: SR-SED-02 Date Received: 08/01/11

Sample Location: DANBURY, CT Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics by 5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.8	--	1
p/m-Xylene	ND		ug/kg	1.8	--	1
o-Xylene	ND		ug/kg	1.8	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.88	--	1
Dibromomethane	ND		ug/kg	8.8	--	1
1,2,3-Trichloropropane	ND		ug/kg	8.8	--	1
Styrene	ND		ug/kg	1.8	--	1
Dichlorodifluoromethane	ND		ug/kg	8.8	--	1
Acetone	ND		ug/kg	32	--	1
Carbon disulfide	ND		ug/kg	44	--	1
2-Butanone	ND		ug/kg	8.8	--	1
4-Methyl-2-pentanone	ND		ug/kg	8.8	--	1
2-Hexanone	ND		ug/kg	8.8	--	1
Acrylonitrile	ND		ug/kg	3.5	--	1
Tetrahydrofuran	ND		ug/kg	18	--	1
2,2-Dichloropropane	ND		ug/kg	4.4	--	1
1,2-Dibromoethane	ND		ug/kg	3.5	--	1
1,3-Dichloropropane	ND		ug/kg	4.4	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.88	--	1
Bromobenzene	ND		ug/kg	4.4	--	1
n-Butylbenzene	ND		ug/kg	0.88	--	1
sec-Butylbenzene	ND		ug/kg	0.88	--	1
tert-Butylbenzene	ND		ug/kg	4.4	--	1
o-Chlorotoluene	ND		ug/kg	4.4	--	1
p-Chlorotoluene	ND		ug/kg	4.4	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.4	--	1
Hexachlorobutadiene	ND		ug/kg	4.4	--	1
Isopropylbenzene	ND		ug/kg	0.88	--	1
p-Isopropyltoluene	ND		ug/kg	0.88	--	1
Naphthalene	ND		ug/kg	4.4	--	1
n-Propylbenzene	ND		ug/kg	0.88	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.4	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.4	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.4	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.4	--	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.4	--	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	3.5	--	1

Project Name: RISDON **Lab Number:** L1111608

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SAMPLE RESULTS

Lab ID:	L1111608-02	Date Collected:	07/29/11 09:00
Client ID:	SR-SED-02	Date Received:	08/01/11
Sample Location:	DANBURY, CT	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics by 5035 - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	99		70-130

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Project Number: 97001.00 **Report Date:** 08/24/11

SAMPLE RESULTS

Lab ID:	L1111608-03	Date Collected:	07/29/11 09:55
Client ID:	SR-SED-REF-01	Date Received:	08/01/11
Sample Location:	DANBURY, CT	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	77,8260B		
Analytical Date:	08/05/11 13:50		
Analyst:	BN		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics by 5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.3	--	1
1,1-Dichloroethane	ND		ug/kg	1.4	--	1
Chloroform	ND		ug/kg	1.4	--	1
Carbon tetrachloride	ND		ug/kg	0.93	--	1
1,2-Dichloropropane	ND		ug/kg	3.2	--	1
Dibromochloromethane	ND		ug/kg	0.93	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	--	1
Tetrachloroethene	ND		ug/kg	0.93	--	1
Chlorobenzene	ND		ug/kg	0.93	--	1
Trichlorofluoromethane	ND		ug/kg	4.6	--	1
1,2-Dichloroethane	ND		ug/kg	0.93	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.93	--	1
Bromodichloromethane	ND		ug/kg	0.93	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.93	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.93	--	1
1,1-Dichloropropene	ND		ug/kg	4.6	--	1
Bromoform	ND		ug/kg	3.7	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.93	--	1
Benzene	ND		ug/kg	0.93	--	1
Toluene	ND		ug/kg	1.4	--	1
Ethylbenzene	ND		ug/kg	0.93	--	1
Chloromethane	ND		ug/kg	4.6	--	1
Bromomethane	ND		ug/kg	1.8	--	1
Vinyl chloride	ND		ug/kg	1.8	--	1
Chloroethane	ND		ug/kg	1.8	--	1
1,1-Dichloroethene	ND		ug/kg	0.93	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	--	1
Trichloroethene	ND		ug/kg	0.93	--	1
1,2-Dichlorobenzene	ND		ug/kg	4.6	--	1
1,3-Dichlorobenzene	ND		ug/kg	4.6	--	1
1,4-Dichlorobenzene	ND		ug/kg	4.6	--	1

Project Name: RISDON **Lab Number:** L1111608

Project Number: 97001.00 **Report Date:** 08/24/11

SAMPLE RESULTS

Lab ID: L1111608-03 Date Collected: 07/29/11 09:55

Client ID: SR-SED-REF-01 Date Received: 08/01/11

Sample Location: DANBURY, CT Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics by 5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.8	--	1
p/m-Xylene	ND		ug/kg	1.8	--	1
o-Xylene	ND		ug/kg	1.8	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.93	--	1
Dibromomethane	ND		ug/kg	9.3	--	1
1,2,3-Trichloropropane	ND		ug/kg	9.3	--	1
Styrene	ND		ug/kg	1.8	--	1
Dichlorodifluoromethane	ND		ug/kg	9.3	--	1
Acetone	ND		ug/kg	33	--	1
Carbon disulfide	ND		ug/kg	46	--	1
2-Butanone	ND		ug/kg	9.3	--	1
4-Methyl-2-pentanone	ND		ug/kg	9.3	--	1
2-Hexanone	ND		ug/kg	9.3	--	1
Acrylonitrile	ND		ug/kg	3.7	--	1
Tetrahydrofuran	ND		ug/kg	18	--	1
2,2-Dichloropropane	ND		ug/kg	4.6	--	1
1,2-Dibromoethane	ND		ug/kg	3.7	--	1
1,3-Dichloropropane	ND		ug/kg	4.6	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.93	--	1
Bromobenzene	ND		ug/kg	4.6	--	1
n-Butylbenzene	ND		ug/kg	0.93	--	1
sec-Butylbenzene	ND		ug/kg	0.93	--	1
tert-Butylbenzene	ND		ug/kg	4.6	--	1
o-Chlorotoluene	ND		ug/kg	4.6	--	1
p-Chlorotoluene	ND		ug/kg	4.6	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.6	--	1
Hexachlorobutadiene	ND		ug/kg	4.6	--	1
Isopropylbenzene	ND		ug/kg	0.93	--	1
p-Isopropyltoluene	ND		ug/kg	0.93	--	1
Naphthalene	ND		ug/kg	4.6	--	1
n-Propylbenzene	ND		ug/kg	0.93	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.6	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.6	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.6	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.6	--	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.6	--	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	3.7	--	1

Project Name: RISDON **Lab Number:** L1111608

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SAMPLE RESULTS

Lab ID:	L1111608-03	Date Collected:	07/29/11 09:55
Client ID:	SR-SED-REF-01	Date Received:	08/01/11
Sample Location:	DANBURY, CT	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics by 5035 - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	99		70-130

Project Name: RISDON **Lab Number:** L1111608

Project Number: 97001.00 **Report Date:** 08/24/11

SAMPLE RESULTS

Lab ID:	L1111608-04	Date Collected:	07/29/11 09:30
Client ID:	SR-SED-50	Date Received:	08/01/11
Sample Location:	DANBURY, CT	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	77,8260B		
Analytical Date:	08/05/11 14:18		
Analyst:	BN		
Percent Solids:	78%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics by 5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	--	1
1,1-Dichloroethane	ND		ug/kg	1.6	--	1
Chloroform	ND		ug/kg	1.6	--	1
Carbon tetrachloride	ND		ug/kg	1.1	--	1
1,2-Dichloropropane	ND		ug/kg	3.8	--	1
Dibromochloromethane	ND		ug/kg	1.1	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	--	1
Tetrachloroethene	ND		ug/kg	1.1	--	1
Chlorobenzene	ND		ug/kg	1.1	--	1
Trichlorofluoromethane	ND		ug/kg	5.4	--	1
1,2-Dichloroethane	ND		ug/kg	1.1	--	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	--	1
Bromodichloromethane	ND		ug/kg	1.1	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	--	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	--	1
1,1-Dichloropropene	ND		ug/kg	5.4	--	1
Bromoform	ND		ug/kg	4.3	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	--	1
Benzene	ND		ug/kg	1.1	--	1
Toluene	ND		ug/kg	1.6	--	1
Ethylbenzene	ND		ug/kg	1.1	--	1
Chloromethane	ND		ug/kg	5.4	--	1
Bromomethane	ND		ug/kg	2.2	--	1
Vinyl chloride	ND		ug/kg	2.2	--	1
Chloroethane	ND		ug/kg	2.2	--	1
1,1-Dichloroethene	ND		ug/kg	1.1	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	--	1
Trichloroethene	ND		ug/kg	1.1	--	1
1,2-Dichlorobenzene	ND		ug/kg	5.4	--	1
1,3-Dichlorobenzene	ND		ug/kg	5.4	--	1
1,4-Dichlorobenzene	ND		ug/kg	5.4	--	1

Project Name: RISDON **Lab Number:** L1111608

Project Number: 97001.00 **Report Date:** 08/24/11

SAMPLE RESULTS

Lab ID: L1111608-04 Date Collected: 07/29/11 09:30

Client ID: SR-SED-50 Date Received: 08/01/11

Sample Location: DANBURY, CT Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics by 5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.2	--	1
p/m-Xylene	ND		ug/kg	2.2	--	1
o-Xylene	ND		ug/kg	2.2	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	--	1
Dibromomethane	ND		ug/kg	11	--	1
1,2,3-Trichloropropane	ND		ug/kg	11	--	1
Styrene	ND		ug/kg	2.2	--	1
Dichlorodifluoromethane	ND		ug/kg	11	--	1
Acetone	ND		ug/kg	39	--	1
Carbon disulfide	ND		ug/kg	54	--	1
2-Butanone	ND		ug/kg	11	--	1
4-Methyl-2-pentanone	ND		ug/kg	11	--	1
2-Hexanone	ND		ug/kg	11	--	1
Acrylonitrile	ND		ug/kg	4.3	--	1
Tetrahydrofuran	ND		ug/kg	22	--	1
2,2-Dichloropropane	ND		ug/kg	5.4	--	1
1,2-Dibromoethane	ND		ug/kg	4.3	--	1
1,3-Dichloropropane	ND		ug/kg	5.4	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	--	1
Bromobenzene	ND		ug/kg	5.4	--	1
n-Butylbenzene	ND		ug/kg	1.1	--	1
sec-Butylbenzene	ND		ug/kg	1.1	--	1
tert-Butylbenzene	ND		ug/kg	5.4	--	1
o-Chlorotoluene	ND		ug/kg	5.4	--	1
p-Chlorotoluene	ND		ug/kg	5.4	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.4	--	1
Hexachlorobutadiene	ND		ug/kg	5.4	--	1
Isopropylbenzene	ND		ug/kg	1.1	--	1
p-Isopropyltoluene	ND		ug/kg	1.1	--	1
Naphthalene	ND		ug/kg	5.4	--	1
n-Propylbenzene	ND		ug/kg	1.1	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.4	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.4	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.4	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.4	--	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	--	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	4.3	--	1

Project Name: RISDON **Lab Number:** L1111608

Project Number: 97001.00 **Report Date:** 08/24/11

SAMPLE RESULTS

Lab ID:	L1111608-04	Date Collected:	07/29/11 09:30
Client ID:	SR-SED-50	Date Received:	08/01/11
Sample Location:	DANBURY, CT	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics by 5035 - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	100		70-130

Project Name: RISDON **Lab Number:** L1111608

Project Number: 97001.00 **Report Date:** 08/24/11

SAMPLE RESULTS

Lab ID:	L1111608-05	Date Collected:	07/29/11 09:20
Client ID:	SR-SW-01	Date Received:	08/01/11
Sample Location:	DANBURY, CT	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	77,8260B		
Analytical Date:	08/06/11 17:00		
Analyst:	MM		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: RISDON **Lab Number:** L1111608

Project Number: 97001.00 **Report Date:** 08/24/11

SAMPLE RESULTS

Lab ID: L1111608-05 Date Collected: 07/29/11 09:20

Client ID: SR-SW-01 Date Received: 08/01/11

Sample Location: DANBURY, CT Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Acrylonitrile	ND		ug/l	5.0	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.60	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.0	--	1

Project Name: RISDON **Lab Number:** L1111608

Project Number: 97001.00 **Report Date:** 08/24/11

SAMPLE RESULTS

Lab ID:	L1111608-05	Date Collected:	07/29/11 09:20
Client ID:	SR-SW-01	Date Received:	08/01/11
Sample Location:	DANBURY, CT	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	113		70-130

Project Name: RISDON **Lab Number:** L1111608

Project Number: 97001.00 **Report Date:** 08/24/11

SAMPLE RESULTS

Lab ID:	L1111608-06	Date Collected:	07/29/11 08:50
Client ID:	SR-SW-02	Date Received:	08/01/11
Sample Location:	DANBURY, CT	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	77,8260B		
Analytical Date:	08/06/11 17:31		
Analyst:	MM		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: RISDON **Lab Number:** L1111608

Project Number: 97001.00 **Report Date:** 08/24/11

SAMPLE RESULTS

Lab ID: L1111608-06 Date Collected: 07/29/11 08:50

Client ID: SR-SW-02 Date Received: 08/01/11

Sample Location: DANBURY, CT Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Acrylonitrile	ND		ug/l	5.0	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.60	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.0	--	1

Project Name: RISDON **Lab Number:** L1111608

Project Number: 97001.00 **Report Date:** 08/24/11

SAMPLE RESULTS

Lab ID:	L1111608-06	Date Collected:	07/29/11 08:50
Client ID:	SR-SW-02	Date Received:	08/01/11
Sample Location:	DANBURY, CT	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	113		70-130

Project Name: RISDON **Lab Number:** L1111608

Project Number: 97001.00 **Report Date:** 08/24/11

SAMPLE RESULTS

Lab ID:	L1111608-07	Date Collected:	07/29/11 09:50
Client ID:	SR-SW-REF-01	Date Received:	08/01/11
Sample Location:	DANBURY, CT	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	77,8260B		
Analytical Date:	08/06/11 18:03		
Analyst:	MM		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: RISDON **Lab Number:** L1111608

Project Number: 97001.00 **Report Date:** 08/24/11

SAMPLE RESULTS

Lab ID: L1111608-07 Date Collected: 07/29/11 09:50

Client ID: SR-SW-REF-01 Date Received: 08/01/11

Sample Location: DANBURY, CT Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Acrylonitrile	ND		ug/l	5.0	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.60	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.0	--	1

Project Name: RISDON **Lab Number:** L1111608

Project Number: 97001.00 **Report Date:** 08/24/11

SAMPLE RESULTS

Lab ID:	L1111608-07	Date Collected:	07/29/11 09:50
Client ID:	SR-SW-REF-01	Date Received:	08/01/11
Sample Location:	DANBURY, CT	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	113		70-130

Project Name: RISDON **Lab Number:** L1111608

Project Number: 97001.00 **Report Date:** 08/24/11

SAMPLE RESULTS

Lab ID:	L1111608-08	Date Collected:	07/29/11 09:20
Client ID:	SR-SW-50	Date Received:	08/01/11
Sample Location:	DANBURY, CT	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	77,8260B		
Analytical Date:	08/06/11 18:34		
Analyst:	MM		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: RISDON **Lab Number:** L1111608

Project Number: 97001.00 **Report Date:** 08/24/11

SAMPLE RESULTS

Lab ID: L1111608-08 Date Collected: 07/29/11 09:20

Client ID: SR-SW-50 Date Received: 08/01/11

Sample Location: DANBURY, CT Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Acrylonitrile	ND		ug/l	5.0	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.60	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.0	--	1

Project Name: RISDON **Lab Number:** L1111608

Project Number: 97001.00 **Report Date:** 08/24/11

SAMPLE RESULTS

Lab ID:	L1111608-08	Date Collected:	07/29/11 09:20
Client ID:	SR-SW-50	Date Received:	08/01/11
Sample Location:	DANBURY, CT	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	114		70-130

Project Name: RISDON **Lab Number:** L1111608

Project Number: 97001.00 **Report Date:** 08/24/11

SAMPLE RESULTS

Lab ID:	L1111608-09	Date Collected:	07/29/11 00:00
Client ID:	TRIP BLANK	Date Received:	08/01/11
Sample Location:	DANBURY, CT	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	77,8260B		
Analytical Date:	08/08/11 09:51		
Analyst:	MM		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: RISDON **Lab Number:** L1111608

Project Number: 97001.00 **Report Date:** 08/24/11

SAMPLE RESULTS

Lab ID: L1111608-09 Date Collected: 07/29/11 00:00

Client ID: TRIP BLANK Date Received: 08/01/11

Sample Location: DANBURY, CT Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Acrylonitrile	ND		ug/l	5.0	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.60	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.0	--	1

Project Name: RISDON **Lab Number:** L1111608

Project Number: 97001.00 **Report Date:** 08/24/11

SAMPLE RESULTS

Lab ID:	L1111608-09	Date Collected:	07/29/11 00:00
Client ID:	TRIP BLANK	Date Received:	08/01/11
Sample Location:	DANBURY, CT	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	110		70-130

Project Name: RISDON **Lab Number:** L1111608

Project Number: 97001.00 **Report Date:** 08/24/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8260B
Analytical Date: 08/06/11 10:11
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Volatile Organics - Westborough Lab for sample(s): 05-08 Batch: WG483295-3					
Methylene chloride	ND		ug/l	5.0	--
1,1-Dichloroethane	ND		ug/l	0.75	--
Chloroform	ND		ug/l	0.75	--
Carbon tetrachloride	ND		ug/l	0.50	--
1,2-Dichloropropane	ND		ug/l	1.8	--
Dibromochloromethane	ND		ug/l	0.50	--
1,1,2-Trichloroethane	ND		ug/l	0.75	--
Tetrachloroethene	ND		ug/l	0.50	--
Chlorobenzene	ND		ug/l	0.50	--
Trichlorofluoromethane	ND		ug/l	2.5	--
1,2-Dichloroethane	ND		ug/l	0.50	--
1,1,1-Trichloroethane	ND		ug/l	0.50	--
Bromodichloromethane	ND		ug/l	0.50	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
1,1-Dichloropropene	ND		ug/l	2.5	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--
Benzene	ND		ug/l	0.50	--
Toluene	ND		ug/l	0.75	--
Ethylbenzene	ND		ug/l	0.50	--
Chloromethane	ND		ug/l	2.5	--
Bromomethane	ND		ug/l	1.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	1.0	--
1,1-Dichloroethene	ND		ug/l	0.50	--
trans-1,2-Dichloroethene	ND		ug/l	0.75	--
Trichloroethene	ND		ug/l	0.50	--
1,2-Dichlorobenzene	ND		ug/l	2.5	--
1,3-Dichlorobenzene	ND		ug/l	2.5	--
1,4-Dichlorobenzene	ND		ug/l	2.5	--

Project Name: RISDON **Lab Number:** L1111608

Project Number: 97001.00 **Report Date:** 08/24/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8260B
Analytical Date: 08/06/11 10:11
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Volatile Organics - Westborough Lab for sample(s): 05-08 Batch: WG483295-3					
Methyl tert butyl ether	ND		ug/l	1.0	--
p/m-Xylene	ND		ug/l	1.0	--
o-Xylene	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	0.50	--
Dibromomethane	ND		ug/l	5.0	--
1,2,3-Trichloropropane	ND		ug/l	5.0	--
Styrene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	5.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	5.0	--
2-Butanone	ND		ug/l	5.0	--
4-Methyl-2-pentanone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Acrylonitrile	ND		ug/l	5.0	--
Tetrahydrofuran	ND		ug/l	5.0	--
2,2-Dichloropropane	ND		ug/l	2.5	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,3-Dichloropropane	ND		ug/l	2.5	--
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--
Bromobenzene	ND		ug/l	2.5	--
n-Butylbenzene	ND		ug/l	0.50	--
sec-Butylbenzene	ND		ug/l	0.50	--
tert-Butylbenzene	ND		ug/l	2.5	--
o-Chlorotoluene	ND		ug/l	2.5	--
p-Chlorotoluene	ND		ug/l	2.5	--
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--
Hexachlorobutadiene	ND		ug/l	0.60	--
Isopropylbenzene	ND		ug/l	0.50	--
p-Isopropyltoluene	ND		ug/l	0.50	--
Naphthalene	ND		ug/l	2.5	--
n-Propylbenzene	ND		ug/l	0.50	--

Project Name: RISDON **Lab Number:** L1111608

Project Number: 97001.00 **Report Date:** 08/24/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8260B
Analytical Date: 08/06/11 10:11
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Volatile Organics - Westborough Lab for sample(s): 05-08 Batch: WG483295-3					
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.0	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	106		70-130

Project Name: RISDON **Lab Number:** L1111608
Project Number: 97001.00 **Report Date:** 08/24/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8260B
Analytical Date: 08/05/11 07:50
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Volatile Organics by 5035 - Westborough Lab for sample(s): 01-04 Batch: WG483341-3					
Methylene chloride	ND		ug/kg	10	--
1,1-Dichloroethane	ND		ug/kg	1.5	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	3.5	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.5	--
Tetrachloroethene	ND		ug/kg	1.0	--
Chlorobenzene	ND		ug/kg	1.0	--
Trichlorofluoromethane	ND		ug/kg	5.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	1.0	--
Bromodichloromethane	ND		ug/kg	1.0	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	1.0	--
1,1-Dichloropropene	ND		ug/kg	5.0	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	--
Benzene	ND		ug/kg	1.0	--
Toluene	ND		ug/kg	1.5	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	5.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	2.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	1.0	--
1,2-Dichlorobenzene	ND		ug/kg	5.0	--
1,3-Dichlorobenzene	ND		ug/kg	5.0	--
1,4-Dichlorobenzene	ND		ug/kg	5.0	--

Project Name: RISDON **Lab Number:** L1111608
Project Number: 97001.00 **Report Date:** 08/24/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8260B
Analytical Date: 08/05/11 07:50
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Volatile Organics by 5035 - Westborough Lab for sample(s): 01-04 Batch: WG483341-3					
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	2.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	10	--
1,2,3-Trichloropropane	ND		ug/kg	10	--
Styrene	ND		ug/kg	2.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	36	--
Carbon disulfide	ND		ug/kg	50	--
2-Butanone	ND		ug/kg	10	--
4-Methyl-2-pentanone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Acrylonitrile	ND		ug/kg	4.0	--
Tetrahydrofuran	ND		ug/kg	20	--
2,2-Dichloropropane	ND		ug/kg	5.0	--
1,2-Dibromoethane	ND		ug/kg	4.0	--
1,3-Dichloropropane	ND		ug/kg	5.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	--
Bromobenzene	ND		ug/kg	5.0	--
n-Butylbenzene	ND		ug/kg	1.0	--
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	5.0	--
o-Chlorotoluene	ND		ug/kg	5.0	--
p-Chlorotoluene	ND		ug/kg	5.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	--
Hexachlorobutadiene	ND		ug/kg	5.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	5.0	--
n-Propylbenzene	ND		ug/kg	1.0	--

Project Name: RISDON **Lab Number:** L1111608

Project Number: 97001.00 **Report Date:** 08/24/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8260B
Analytical Date: 08/05/11 07:50
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Volatile Organics by 5035 - Westborough Lab for sample(s): 01-04 Batch: WG483341-3					
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	--
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	--
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	4.0	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	97		70-130

Project Name: RISDON **Lab Number:** L1111608

Project Number: 97001.00 **Report Date:** 08/24/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8260B
Analytical Date: 08/08/11 09:19
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Volatile Organics - Westborough Lab for sample(s): 09 Batch: WG483518-3					
Methylene chloride	ND		ug/l	5.0	--
1,1-Dichloroethane	ND		ug/l	0.75	--
Chloroform	ND		ug/l	0.75	--
Carbon tetrachloride	ND		ug/l	0.50	--
1,2-Dichloropropane	ND		ug/l	1.8	--
Dibromochloromethane	ND		ug/l	0.50	--
1,1,2-Trichloroethane	ND		ug/l	0.75	--
Tetrachloroethene	ND		ug/l	0.50	--
Chlorobenzene	ND		ug/l	0.50	--
Trichlorofluoromethane	ND		ug/l	2.5	--
1,2-Dichloroethane	ND		ug/l	0.50	--
1,1,1-Trichloroethane	ND		ug/l	0.50	--
Bromodichloromethane	ND		ug/l	0.50	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
1,1-Dichloropropene	ND		ug/l	2.5	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--
Benzene	ND		ug/l	0.50	--
Toluene	ND		ug/l	0.75	--
Ethylbenzene	ND		ug/l	0.50	--
Chloromethane	ND		ug/l	2.5	--
Bromomethane	ND		ug/l	1.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	1.0	--
1,1-Dichloroethene	ND		ug/l	0.50	--
trans-1,2-Dichloroethene	ND		ug/l	0.75	--
Trichloroethene	ND		ug/l	0.50	--
1,2-Dichlorobenzene	ND		ug/l	2.5	--
1,3-Dichlorobenzene	ND		ug/l	2.5	--
1,4-Dichlorobenzene	ND		ug/l	2.5	--

Project Name: RISDON **Lab Number:** L1111608

Project Number: 97001.00 **Report Date:** 08/24/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8260B
Analytical Date: 08/08/11 09:19
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Volatile Organics - Westborough Lab for sample(s): 09 Batch: WG483518-3					
Methyl tert butyl ether	ND		ug/l	1.0	--
p/m-Xylene	ND		ug/l	1.0	--
o-Xylene	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	0.50	--
Dibromomethane	ND		ug/l	5.0	--
1,2,3-Trichloropropane	ND		ug/l	5.0	--
Styrene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	5.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	5.0	--
2-Butanone	ND		ug/l	5.0	--
4-Methyl-2-pentanone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Acrylonitrile	ND		ug/l	5.0	--
Tetrahydrofuran	ND		ug/l	5.0	--
2,2-Dichloropropane	ND		ug/l	2.5	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,3-Dichloropropane	ND		ug/l	2.5	--
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--
Bromobenzene	ND		ug/l	2.5	--
n-Butylbenzene	ND		ug/l	0.50	--
sec-Butylbenzene	ND		ug/l	0.50	--
tert-Butylbenzene	ND		ug/l	2.5	--
o-Chlorotoluene	ND		ug/l	2.5	--
p-Chlorotoluene	ND		ug/l	2.5	--
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--
Hexachlorobutadiene	ND		ug/l	0.60	--
Isopropylbenzene	ND		ug/l	0.50	--
p-Isopropyltoluene	ND		ug/l	0.50	--
Naphthalene	ND		ug/l	2.5	--
n-Propylbenzene	ND		ug/l	0.50	--

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1111608
Report Date: 08/24/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8260B
Analytical Date: 08/08/11 09:19
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Volatile Organics - Westborough Lab for sample(s): 09 Batch: WG483518-3					
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.0	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	109		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1111608
Report Date: 08/24/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Volatile Organics - Westborough Lab Associated sample(s): 05-08 Batch: WG483295-1 WG483295-2								
Methylene chloride	100		108		70-130	8		30
1,1-Dichloroethane	102		108		70-130	6		30
Chloroform	98		105		70-130	7		30
Carbon tetrachloride	85		94		70-130	10		30
1,2-Dichloropropane	101		107		70-130	6		30
Dibromochloromethane	78		89		70-130	13		30
1,1,2-Trichloroethane	91		100		70-130	9		30
Tetrachloroethene	105		112		70-130	6		30
Chlorobenzene	94		101		70-130	7		30
Trichlorofluoromethane	103		112		70-130	8		30
1,2-Dichloroethane	100		106		70-130	6		30
1,1,1-Trichloroethane	88		96		70-130	9		30
Bromodichloromethane	94		102		70-130	8		30
trans-1,3-Dichloropropene	80		88		70-130	10		30
cis-1,3-Dichloropropene	89		97		70-130	9		30
1,1-Dichloropropene	94		100		70-130	6		30
Bromoform	75		86		70-130	14		30
1,1,2,2-Tetrachloroethane	85		98		70-130	14		30
Benzene	103		109		70-130	6		30
Toluene	95		102		70-130	7		30
Ethylbenzene	100		107		70-130	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1111608
Report Date: 08/24/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Volatile Organics - Westborough Lab Associated sample(s): 05-08 Batch: WG483295-1 WG483295-2								
Chloromethane	106		110		70-130	4		30
Bromomethane	100		105		70-130	5		30
Vinyl chloride	110		114		70-130	4		30
Chloroethane	111		118		70-130	6		30
1,1-Dichloroethene	98		103		70-130	5		30
trans-1,2-Dichloroethene	99		103		70-130	4		30
Trichloroethene	100		105		70-130	5		30
1,2-Dichlorobenzene	92		102		70-130	10		30
1,3-Dichlorobenzene	94		102		70-130	8		30
1,4-Dichlorobenzene	95		103		70-130	8		30
Methyl tert butyl ether	82		84		70-130	2		30
p/m-Xylene	102		110		70-130	8		30
o-Xylene	99		102		70-130	3		30
cis-1,2-Dichloroethene	100		106		70-130	6		30
Dibromomethane	100		106		70-130	6		30
1,2,3-Trichloropropane	83		94		70-130	12		30
Styrene	100		105		70-130	5		30
Dichlorodifluoromethane	105		107		70-130	2		30
Acetone	118		120		70-130	2		30
Carbon disulfide	76		77		70-130	1		30
2-Butanone	91		91		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1111608
Report Date: 08/24/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Volatile Organics - Westborough Lab Associated sample(s): 05-08 Batch: WG483295-1 WG483295-2								
4-Methyl-2-pentanone	81		85		70-130	5		30
2-Hexanone	77		79		70-130	3		30
Acrylonitrile	97		93		70-130	4		30
Tetrahydrofuran	85		84		70-130	1		30
2,2-Dichloropropane	85		91		70-130	7		30
1,2-Dibromoethane	88		96		70-130	9		30
1,3-Dichloropropane	90		98		70-130	9		30
1,1,1,2-Tetrachloroethane	85		94		70-130	10		30
Bromobenzene	92		103		70-130	11		30
n-Butylbenzene	95		98		70-130	3		30
sec-Butylbenzene	96		104		70-130	8		30
tert-Butylbenzene	94		101		70-130	7		30
o-Chlorotoluene	90		98		70-130	9		30
p-Chlorotoluene	92		100		70-130	8		30
1,2-Dibromo-3-chloropropane	81		81		70-130	0		30
Hexachlorobutadiene	101		110		70-130	9		30
Isopropylbenzene	104		110		70-130	6		30
p-Isopropyltoluene	98		106		70-130	8		30
Naphthalene	79		84		70-130	6		30
n-Propylbenzene	96		103		70-130	7		30
1,2,3-Trichlorobenzene	88		97		70-130	10		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1111608
Report Date: 08/24/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Volatile Organics - Westborough Lab Associated sample(s): 05-08 Batch: WG483295-1 WG483295-2								
1,2,4-Trichlorobenzene	93		98		70-130	5		30
1,3,5-Trimethylbenzene	93		99		70-130	6		30
1,2,4-Trimethylbenzene	93		102		70-130	9		30
trans-1,4-Dichloro-2-butene	96		102		70-130	6		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	97		98		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		102		70-130
Toluene-d8	98		99		70-130
4-Bromofluorobenzene	90		92		70-130
Dibromofluoromethane	101		103		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1111608
Report Date: 08/24/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Volatile Organics by 5035 - Westborough Lab Associated sample(s): 01-04 Batch: WG483341-1 WG483341-2								
Methylene chloride	100		97		70-130	3		30
1,1-Dichloroethane	98		95		70-130	3		30
Chloroform	98		95		70-130	3		30
Carbon tetrachloride	90		90		70-130	0		30
1,2-Dichloropropane	99		95		70-130	4		30
Dibromochloromethane	93		89		70-130	4		30
1,1,2-Trichloroethane	104		95		70-130	9		30
Tetrachloroethene	96		92		70-130	4		30
Chlorobenzene	93		92		70-130	1		30
Trichlorofluoromethane	96		94		70-130	2		30
1,2-Dichloroethane	101		96		70-130	5		30
1,1,1-Trichloroethane	95		89		70-130	7		30
Bromodichloromethane	95		95		70-130	0		30
trans-1,3-Dichloropropene	101		98		70-130	3		30
cis-1,3-Dichloropropene	96		93		70-130	3		30
1,1-Dichloropropene	95		90		70-130	5		30
Bromoform	95		89		70-130	7		30
1,1,2,2-Tetrachloroethane	106		95		70-130	11		30
Benzene	98		94		70-130	4		30
Toluene	93		90		70-130	3		30
Ethylbenzene	97		94		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1111608
Report Date: 08/24/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Volatile Organics by 5035 - Westborough Lab Associated sample(s): 01-04 Batch: WG483341-1 WG483341-2								
Chloromethane	102		98		70-130	4		30
Bromomethane	71		84		70-130	17		30
Vinyl chloride	102		95		70-130	7		30
Chloroethane	100		102		70-130	2		30
1,1-Dichloroethene	95		90		70-130	5		30
trans-1,2-Dichloroethene	96		92		70-130	4		30
Trichloroethene	97		93		70-130	4		30
1,2-Dichlorobenzene	98		95		70-130	3		30
1,3-Dichlorobenzene	100		97		70-130	3		30
1,4-Dichlorobenzene	99		97		70-130	2		30
Methyl tert butyl ether	100		92		70-130	8		30
p/m-Xylene	99		96		70-130	3		30
o-Xylene	99		97		70-130	2		30
cis-1,2-Dichloroethene	98		94		70-130	4		30
Dibromomethane	105		98		70-130	7		30
1,2,3-Trichloropropane	111		95		70-130	16		30
Styrene	100		98		70-130	2		30
Dichlorodifluoromethane	116		105		70-130	10		30
Acetone	**133**	Q	107		70-130	22		30
Carbon disulfide	75		73		70-130	3		30
2-Butanone	122		94		70-130	26		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1111608
Report Date: 08/24/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Volatile Organics by 5035 - Westborough Lab Associated sample(s): 01-04 Batch: WG483341-1 WG483341-2								
4-Methyl-2-pentanone	114		90		70-130	24		30
2-Hexanone	116		90		70-130	25		30
Acrylonitrile	118		92		70-130	25		30
Tetrahydrofuran	120		93		70-130	25		30
2,2-Dichloropropane	94		91		70-130	3		30
1,2-Dibromoethane	104		95		70-130	9		30
1,3-Dichloropropane	104		97		70-130	7		30
1,1,1,2-Tetrachloroethane	94		94		70-130	0		30
Bromobenzene	100		97		70-130	3		30
n-Butylbenzene	98		93		70-130	5		30
sec-Butylbenzene	95		92		70-130	3		30
tert-Butylbenzene	95		92		70-130	3		30
o-Chlorotoluene	97		95		70-130	2		30
p-Chlorotoluene	99		96		70-130	3		30
1,2-Dibromo-3-chloropropane	111		100		70-130	10		30
Hexachlorobutadiene	84		81		70-130	4		30
Isopropylbenzene	97		94		70-130	3		30
p-Isopropyltoluene	101		97		70-130	4		30
Naphthalene	108		94		70-130	14		30
n-Propylbenzene	98		95		70-130	3		30
1,2,3-Trichlorobenzene	98		92		70-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.00
Lab Number: L1111608
Report Date: 08/24/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Volatile Organics by 5035 - Westborough Lab Associated sample(s): 01-04 Batch: WG483341-1 WG483341-2								
1,2,4-Trichlorobenzene	99		96		70-130	3		30
1,3,5-Trimethylbenzene	97		94		70-130	3		30
1,2,4-Trimethylbenzene	101		98		70-130	3		30
trans-1,4-Dichloro-2-butene	111		94		70-130	17		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	97		89		70-130	9		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		100		70-130
Toluene-d8	100		101		70-130
4-Bromofluorobenzene	100		99		70-130
Dibromofluoromethane	100		99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1111608
Report Date: 08/24/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Volatile Organics - Westborough Lab Associated sample(s): 09 Batch: WG483518-1 WG483518-2								
Methylene chloride	104		107		70-130	3		30
1,1-Dichloroethane	108		112		70-130	4		30
Chloroform	103		107		70-130	4		30
Carbon tetrachloride	89		96		70-130	8		30
1,2-Dichloropropane	107		111		70-130	4		30
Dibromochloromethane	84		88		70-130	5		30
1,1,2-Trichloroethane	98		101		70-130	3		30
Tetrachloroethene	108		112		70-130	4		30
Chlorobenzene	96		102		70-130	6		30
Trichlorofluoromethane	109		114		70-130	4		30
1,2-Dichloroethane	105		109		70-130	4		30
1,1,1-Trichloroethane	93		99		70-130	6		30
Bromodichloromethane	100		106		70-130	6		30
trans-1,3-Dichloropropene	83		88		70-130	6		30
cis-1,3-Dichloropropene	92		98		70-130	6		30
1,1-Dichloropropene	99		104		70-130	5		30
Bromoform	77		81		70-130	5		30
1,1,2,2-Tetrachloroethane	89		93		70-130	4		30
Benzene	108		113		70-130	5		30
Toluene	100		105		70-130	5		30
Ethylbenzene	105		108		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1111608
Report Date: 08/24/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Volatile Organics - Westborough Lab Associated sample(s): 09 Batch: WG483518-1 WG483518-2								
Chloromethane	110		114		70-130	4		30
Bromomethane	94		97		70-130	3		30
Vinyl chloride	116		122		70-130	5		30
Chloroethane	116		121		70-130	4		30
1,1-Dichloroethene	102		106		70-130	4		30
trans-1,2-Dichloroethene	102		106		70-130	4		30
Trichloroethene	104		107		70-130	3		30
1,2-Dichlorobenzene	94		96		70-130	2		30
1,3-Dichlorobenzene	96		99		70-130	3		30
1,4-Dichlorobenzene	95		100		70-130	5		30
Methyl tert butyl ether	82		86		70-130	5		30
p/m-Xylene	107		111		70-130	4		30
o-Xylene	101		106		70-130	5		30
cis-1,2-Dichloroethene	102		107		70-130	5		30
Dibromomethane	106		111		70-130	5		30
1,2,3-Trichloropropane	86		90		70-130	5		30
Styrene	103		108		70-130	5		30
Dichlorodifluoromethane	104		107		70-130	3		30
Acetone	**148**	Q	**148**	Q	70-130	0		30
Carbon disulfide	84		89		70-130	6		30
2-Butanone	100		103		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1111608
Report Date: 08/24/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Volatile Organics - Westborough Lab Associated sample(s): 09 Batch: WG483518-1 WG483518-2								
4-Methyl-2-pentanone	85		84		70-130	1		30
2-Hexanone	84		85		70-130	1		30
Acrylonitrile	100		103		70-130	3		30
Tetrahydrofuran	88		94		70-130	7		30
2,2-Dichloropropane	87		90		70-130	3		30
1,2-Dibromoethane	91		97		70-130	6		30
1,3-Dichloropropane	94		100		70-130	6		30
1,1,1,2-Tetrachloroethane	88		93		70-130	6		30
Bromobenzene	95		99		70-130	4		30
n-Butylbenzene	96		97		70-130	1		30
sec-Butylbenzene	97		99		70-130	2		30
tert-Butylbenzene	95		96		70-130	1		30
o-Chlorotoluene	95		97		70-130	2		30
p-Chlorotoluene	95		98		70-130	3		30
1,2-Dibromo-3-chloropropane	83		84		70-130	1		30
Hexachlorobutadiene	103		107		70-130	4		30
Isopropylbenzene	104		108		70-130	4		30
p-Isopropyltoluene	100		102		70-130	2		30
Naphthalene	73		75		70-130	3		30
n-Propylbenzene	98		100		70-130	2		30
1,2,3-Trichlorobenzene	87		88		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1111608
Report Date: 08/24/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Volatile Organics - Westborough Lab Associated sample(s): 09 Batch: WG483518-1 WG483518-2								
1,2,4-Trichlorobenzene	89		92		70-130	3		30
1,3,5-Trimethylbenzene	95		98		70-130	3		30
1,2,4-Trimethylbenzene	98		99		70-130	1		30
trans-1,4-Dichloro-2-butene	99		100		70-130	1		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	103		107		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	105		102		70-130
Toluene-d8	98		99		70-130
4-Bromofluorobenzene	91		90		70-130
Dibromofluoromethane	103		102		70-130

METALS

Project Name: RISDON
Project Number: 97001.00
Lab Number: L1111608
Report Date: 08/24/11

SAMPLE RESULTS

Lab ID: L1111608-01
Client ID: SR-SED-01
Sample Location: DANBURY, CT
Matrix: Soil
Percent Solids: 80%

Date Collected: 07/29/11 09:30
Date Received: 08/01/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Antimony, Total	0.091		mg/kg	0.037	--	2	08/19/11 10:00	08/23/11 15:11	EPA 3050B	1,6020A	LR
Arsenic, Total	1.87		mg/kg	0.037	--	2	08/19/11 10:00	08/23/11 14:04	EPA 3050B	1,6020A	LR
Beryllium, Total	0.207		mg/kg	0.037	--	2	08/19/11 10:00	08/23/11 14:04	EPA 3050B	1,6020A	LR
Cadmium, Total	0.124		mg/kg	0.037	--	2	08/19/11 10:00	08/23/11 14:04	EPA 3050B	1,6020A	LR
Chromium, Total	7.22		mg/kg	0.148	--	2	08/19/11 10:00	08/23/11 14:04	EPA 3050B	1,6020A	LR
Copper, Total	11.5		mg/kg	0.074	--	2	08/19/11 10:00	08/23/11 14:04	EPA 3050B	1,6020A	LR
Lead, Total	7.73		mg/kg	0.092	--	5	08/19/11 10:00	08/23/11 14:25	EPA 3050B	1,6020A	LR
Mercury, Total	0.205		mg/kg	0.014	--	5	08/19/11 10:00	08/23/11 09:33	EPA 7474	1,7474	JK
Nickel, Total	7.35		mg/kg	0.074	--	2	08/19/11 10:00	08/23/11 14:04	EPA 3050B	1,6020A	LR
Selenium, Total	0.437		mg/kg	0.074	--	2	08/19/11 10:00	08/23/11 14:04	EPA 3050B	1,6020A	LR
Silver, Total	0.052		mg/kg	0.037	--	2	08/19/11 10:00	08/23/11 15:11	EPA 3050B	1,6020A	LR
Thallium, Total	ND		mg/kg	0.092	--	5	08/19/11 10:00	08/23/11 14:25	EPA 3050B	1,6020A	LR
Zinc, Total	55.9		mg/kg	0.740	--	2	08/19/11 10:00	08/23/11 14:04	EPA 3050B	1,6020A	LR

Project Name: RISDON
Project Number: 97001.00
Lab Number: L1111608
Report Date: 08/24/11

SAMPLE RESULTS

Lab ID: L1111608-02
Client ID: SR-SED-02
Sample Location: DANBURY, CT
Matrix: Soil
Percent Solids: 80%

Date Collected: 07/29/11 09:00
Date Received: 08/01/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Antimony, Total	0.044		mg/kg	0.037	--	2	08/19/11 10:00	08/23/11 15:14	EPA 3050B	1,6020A	LR
Arsenic, Total	0.840		mg/kg	0.040	--	2	08/19/11 10:00	08/23/11 14:12	EPA 3050B	1,6020A	LR
Beryllium, Total	0.125		mg/kg	0.040	--	2	08/19/11 10:00	08/23/11 14:12	EPA 3050B	1,6020A	LR
Cadmium, Total	0.063		mg/kg	0.040	--	2	08/19/11 10:00	08/23/11 14:12	EPA 3050B	1,6020A	LR
Chromium, Total	7.69		mg/kg	0.158	--	2	08/19/11 10:00	08/23/11 14:12	EPA 3050B	1,6020A	LR
Copper, Total	9.76		mg/kg	0.079	--	2	08/19/11 10:00	08/23/11 14:12	EPA 3050B	1,6020A	LR
Lead, Total	10.2		mg/kg	0.040	--	2	08/19/11 10:00	08/23/11 14:12	EPA 3050B	1,6020A	LR
Mercury, Total	0.117		mg/kg	0.015	--	5	08/19/11 10:00	08/23/11 09:45	EPA 7474	1,7474	JK
Nickel, Total	5.35		mg/kg	0.079	--	2	08/19/11 10:00	08/23/11 14:12	EPA 3050B	1,6020A	LR
Selenium, Total	0.141		mg/kg	0.079	--	2	08/19/11 10:00	08/23/11 14:12	EPA 3050B	1,6020A	LR
Silver, Total	0.058		mg/kg	0.037	--	2	08/19/11 10:00	08/23/11 15:14	EPA 3050B	1,6020A	LR
Thallium, Total	0.059		mg/kg	0.040	--	2	08/19/11 10:00	08/23/11 14:12	EPA 3050B	1,6020A	LR
Zinc, Total	44.4		mg/kg	0.791	--	2	08/19/11 10:00	08/23/11 14:12	EPA 3050B	1,6020A	LR

Project Name: RISDON
Project Number: 97001.00
Lab Number: L1111608
Report Date: 08/24/11

SAMPLE RESULTS

Lab ID: L1111608-03
Client ID: SR-SED-REF-01
Sample Location: DANBURY, CT
Matrix: Soil
Percent Solids: 83%

Date Collected: 07/29/11 09:55
Date Received: 08/01/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Antimony, Total	0.605		mg/kg	0.043	--	2	08/19/11 10:00	08/23/11 15:16	EPA 3050B	1,6020A	LR
Arsenic, Total	1.97		mg/kg	0.043	--	2	08/19/11 10:00	08/23/11 14:13	EPA 3050B	1,6020A	LR
Beryllium, Total	0.179		mg/kg	0.043	--	2	08/19/11 10:00	08/23/11 14:13	EPA 3050B	1,6020A	LR
Cadmium, Total	0.064		mg/kg	0.043	--	2	08/19/11 10:00	08/23/11 14:13	EPA 3050B	1,6020A	LR
Chromium, Total	6.20		mg/kg	0.172	--	2	08/19/11 10:00	08/23/11 14:13	EPA 3050B	1,6020A	LR
Copper, Total	15.5		mg/kg	0.086	--	2	08/19/11 10:00	08/23/11 14:13	EPA 3050B	1,6020A	LR
Lead, Total	26.4		mg/kg	0.043	--	2	08/19/11 10:00	08/23/11 14:13	EPA 3050B	1,6020A	LR
Mercury, Total	0.069		mg/kg	0.014	--	5	08/19/11 10:00	08/23/11 09:47	EPA 7474	1,7474	JK
Nickel, Total	7.08		mg/kg	0.086	--	2	08/19/11 10:00	08/23/11 14:13	EPA 3050B	1,6020A	LR
Selenium, Total	0.136		mg/kg	0.086	--	2	08/19/11 10:00	08/23/11 14:13	EPA 3050B	1,6020A	LR
Silver, Total	0.058		mg/kg	0.043	--	2	08/19/11 10:00	08/23/11 15:16	EPA 3050B	1,6020A	LR
Thallium, Total	ND		mg/kg	0.043	--	2	08/19/11 10:00	08/23/11 14:13	EPA 3050B	1,6020A	LR
Zinc, Total	51.6		mg/kg	0.860	--	2	08/19/11 10:00	08/23/11 14:13	EPA 3050B	1,6020A	LR

Project Name: RISDON
Project Number: 97001.00
Lab Number: L1111608
Report Date: 08/24/11

SAMPLE RESULTS

Lab ID: L1111608-04
Client ID: SR-SED-50
Sample Location: DANBURY, CT
Matrix: Soil
Percent Solids: 78%

Date Collected: 07/29/11 09:30
Date Received: 08/01/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Antimony, Total	0.077		mg/kg	0.042	--	2	08/19/11 10:00	08/23/11 15:17	EPA 3050B	1,6020A	LR
Arsenic, Total	0.930		mg/kg	0.038	--	2	08/19/11 10:00	08/23/11 14:15	EPA 3050B	1,6020A	LR
Beryllium, Total	0.135		mg/kg	0.038	--	2	08/19/11 10:00	08/23/11 14:15	EPA 3050B	1,6020A	LR
Cadmium, Total	0.053		mg/kg	0.038	--	2	08/19/11 10:00	08/23/11 14:15	EPA 3050B	1,6020A	LR
Chromium, Total	6.38		mg/kg	0.153	--	2	08/19/11 10:00	08/23/11 14:15	EPA 3050B	1,6020A	LR
Copper, Total	18.4		mg/kg	0.076	--	2	08/19/11 10:00	08/23/11 14:15	EPA 3050B	1,6020A	LR
Lead, Total	14.1		mg/kg	0.038	--	2	08/19/11 10:00	08/23/11 14:15	EPA 3050B	1,6020A	LR
Mercury, Total	0.943		mg/kg	0.015	--	5	08/19/11 10:00	08/23/11 09:50	EPA 7474	1,7474	JK
Nickel, Total	10.8		mg/kg	0.076	--	2	08/19/11 10:00	08/23/11 14:15	EPA 3050B	1,6020A	LR
Selenium, Total	0.120		mg/kg	0.076	--	2	08/19/11 10:00	08/23/11 14:15	EPA 3050B	1,6020A	LR
Silver, Total	ND		mg/kg	0.042	--	2	08/19/11 10:00	08/23/11 15:17	EPA 3050B	1,6020A	LR
Thallium, Total	0.043		mg/kg	0.038	--	2	08/19/11 10:00	08/23/11 14:15	EPA 3050B	1,6020A	LR
Zinc, Total	57.2		mg/kg	0.763	--	2	08/19/11 10:00	08/23/11 14:15	EPA 3050B	1,6020A	LR

Project Name: RISDON
Project Number: 97001.00
Lab Number: L1111608
Report Date: 08/24/11

SAMPLE RESULTS

Lab ID: L1111608-05
Client ID: SR-SW-01
Sample Location: DANBURY, CT
Matrix: Water

Date Collected: 07/29/11 09:20
Date Received: 08/01/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/l	0.0005	--	1	08/19/11 09:00	08/23/11 10:51	EPA 3020A	1,6020A	LR
Arsenic, Total	0.0013		mg/l	0.0005	--	1	08/19/11 09:00	08/23/11 09:17	EPA 3020A	1,6020A	LR
Beryllium, Total	ND		mg/l	0.0005	--	1	08/19/11 09:00	08/23/11 09:17	EPA 3020A	1,6020A	LR
Cadmium, Total	ND		mg/l	0.0005	--	1	08/19/11 09:00	08/23/11 09:17	EPA 3020A	1,6020A	LR
Chromium, Total	ND		mg/l	0.001	--	1	08/19/11 09:00	08/23/11 09:17	EPA 3020A	1,6020A	LR
Copper, Total	0.003		mg/l	0.001	--	1	08/19/11 09:00	08/23/11 09:17	EPA 3020A	1,6020A	LR
Lead, Total	ND		mg/l	0.001	--	1	08/19/11 09:00	08/23/11 09:17	EPA 3020A	1,6020A	LR
Mercury, Total	ND		mg/l	0.00005	--	1	08/22/11 16:00	08/23/11 11:50	EPA 7474	1,7474	JK
Nickel, Total	0.0013		mg/l	0.0005	--	1	08/19/11 09:00	08/23/11 09:17	EPA 3020A	1,6020A	LR
Selenium, Total	ND		mg/l	0.005	--	1	08/19/11 09:00	08/23/11 09:17	EPA 3020A	1,6020A	LR
Silver, Total	ND		mg/l	0.0002	--	1	08/19/11 09:00	08/23/11 10:51	EPA 3020A	1,6020A	LR
Thallium, Total	ND		mg/l	0.0002	--	1	08/19/11 09:00	08/23/11 09:17	EPA 3020A	1,6020A	LR
Zinc, Total	0.014		mg/l	0.010	--	1	08/19/11 09:00	08/23/11 09:17	EPA 3020A	1,6020A	LR

Project Name: RISDON
Project Number: 97001.00
Lab Number: L1111608
Report Date: 08/24/11

SAMPLE RESULTS

Lab ID: L1111608-06
Client ID: SR-SW-02
Sample Location: DANBURY, CT
Matrix: Water

Date Collected: 07/29/11 08:50
Date Received: 08/01/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/l	0.0005	--	1	08/19/11 09:00	08/23/11 10:52	EPA 3020A	1,6020A	LR
Arsenic, Total	0.0011		mg/l	0.0005	--	1	08/19/11 09:00	08/23/11 09:28	EPA 3020A	1,6020A	LR
Beryllium, Total	ND		mg/l	0.0005	--	1	08/19/11 09:00	08/23/11 09:28	EPA 3020A	1,6020A	LR
Cadmium, Total	ND		mg/l	0.0005	--	1	08/19/11 09:00	08/23/11 09:28	EPA 3020A	1,6020A	LR
Chromium, Total	ND		mg/l	0.001	--	1	08/19/11 09:00	08/23/11 09:28	EPA 3020A	1,6020A	LR
Copper, Total	0.003		mg/l	0.001	--	1	08/19/11 09:00	08/23/11 09:28	EPA 3020A	1,6020A	LR
Lead, Total	ND		mg/l	0.001	--	1	08/19/11 09:00	08/23/11 09:28	EPA 3020A	1,6020A	LR
Mercury, Total	ND		mg/l	0.00005	--	1	08/22/11 16:00	08/23/11 11:53	EPA 7474	1,7474	JK
Nickel, Total	0.0013		mg/l	0.0005	--	1	08/19/11 09:00	08/23/11 09:28	EPA 3020A	1,6020A	LR
Selenium, Total	ND		mg/l	0.005	--	1	08/19/11 09:00	08/23/11 09:28	EPA 3020A	1,6020A	LR
Silver, Total	ND		mg/l	0.0002	--	1	08/19/11 09:00	08/23/11 10:52	EPA 3020A	1,6020A	LR
Thallium, Total	ND		mg/l	0.0002	--	1	08/19/11 09:00	08/23/11 09:28	EPA 3020A	1,6020A	LR
Zinc, Total	0.013		mg/l	0.010	--	1	08/19/11 09:00	08/23/11 09:28	EPA 3020A	1,6020A	LR

Project Name:	RISDON	**Lab Number:**	L1111608
Project Number:	97001.00	**Report Date:**	08/24/11

SAMPLE RESULTS

Lab ID:	L1111608-07	Date Collected:	07/29/11 09:50
Client ID:	SR-SW-REF-01	Date Received:	08/01/11
Sample Location:	DANBURY, CT	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/l	0.0005	--	1	08/19/11 09:00	08/23/11 10:47	EPA 3020A	1,6020A	LR
Arsenic, Total	0.0011		mg/l	0.0005	--	1	08/19/11 09:00	08/23/11 09:30	EPA 3020A	1,6020A	LR
Beryllium, Total	ND		mg/l	0.0005	--	1	08/19/11 09:00	08/23/11 09:30	EPA 3020A	1,6020A	LR
Cadmium, Total	ND		mg/l	0.0005	--	1	08/19/11 09:00	08/23/11 09:30	EPA 3020A	1,6020A	LR
Chromium, Total	ND		mg/l	0.001	--	1	08/19/11 09:00	08/23/11 09:30	EPA 3020A	1,6020A	LR
Copper, Total	0.003		mg/l	0.001	--	1	08/19/11 09:00	08/23/11 09:30	EPA 3020A	1,6020A	LR
Lead, Total	ND		mg/l	0.001	--	1	08/19/11 09:00	08/23/11 09:30	EPA 3020A	1,6020A	LR
Mercury, Total	ND		mg/l	0.00005	--	1	08/22/11 16:00	08/23/11 11:55	EPA 7474	1,7474	JK
Nickel, Total	0.0012		mg/l	0.0005	--	1	08/19/11 09:00	08/23/11 09:30	EPA 3020A	1,6020A	LR
Selenium, Total	ND		mg/l	0.005	--	1	08/19/11 09:00	08/23/11 09:30	EPA 3020A	1,6020A	LR
Silver, Total	ND		mg/l	0.0002	--	1	08/19/11 09:00	08/23/11 10:47	EPA 3020A	1,6020A	LR
Thallium, Total	ND		mg/l	0.0002	--	1	08/19/11 09:00	08/23/11 09:30	EPA 3020A	1,6020A	LR
Zinc, Total	0.015		mg/l	0.010	--	1	08/19/11 09:00	08/23/11 09:30	EPA 3020A	1,6020A	LR

Project Name: RISDON
Project Number: 97001.00
Lab Number: L1111608
Report Date: 08/24/11

SAMPLE RESULTS

Lab ID: L1111608-08
Client ID: SR-SW-50
Sample Location: DANBURY, CT
Matrix: Water

Date Collected: 07/29/11 09:20
Date Received: 08/01/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/l	0.0005	--	1	08/19/11 09:00	08/23/11 10:48	EPA 3020A	1,6020A	LR
Arsenic, Total	0.0010		mg/l	0.0005	--	1	08/19/11 09:00	08/23/11 09:31	EPA 3020A	1,6020A	LR
Beryllium, Total	ND		mg/l	0.0005	--	1	08/19/11 09:00	08/23/11 09:31	EPA 3020A	1,6020A	LR
Cadmium, Total	ND		mg/l	0.0005	--	1	08/19/11 09:00	08/23/11 09:31	EPA 3020A	1,6020A	LR
Chromium, Total	ND		mg/l	0.001	--	1	08/19/11 09:00	08/23/11 09:31	EPA 3020A	1,6020A	LR
Copper, Total	0.002		mg/l	0.001	--	1	08/19/11 09:00	08/23/11 09:31	EPA 3020A	1,6020A	LR
Lead, Total	ND		mg/l	0.001	--	1	08/19/11 09:00	08/23/11 09:31	EPA 3020A	1,6020A	LR
Mercury, Total	ND		mg/l	0.00005	--	1	08/22/11 16:00	08/23/11 12:07	EPA 7474	1,7474	JK
Nickel, Total	0.0012		mg/l	0.0005	--	1	08/19/11 09:00	08/23/11 09:31	EPA 3020A	1,6020A	LR
Selenium, Total	ND		mg/l	0.005	--	1	08/19/11 09:00	08/23/11 09:31	EPA 3020A	1,6020A	LR
Silver, Total	ND		mg/l	0.0002	--	1	08/19/11 09:00	08/23/11 10:48	EPA 3020A	1,6020A	LR
Thallium, Total	ND		mg/l	0.0002	--	1	08/19/11 09:00	08/23/11 09:31	EPA 3020A	1,6020A	LR
Zinc, Total	0.012		mg/l	0.010	--	1	08/19/11 09:00	08/23/11 09:31	EPA 3020A	1,6020A	LR

Project Name: RISDON **Lab Number:** L1111608

Project Number: 97001.00 **Report Date:** 08/24/11

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 05-08 Batch: WG485411-1										
Antimony, Total	ND		mg/l	0.0005	--	1	08/19/11 09:00	08/23/11 10:41	1,6020A	LR
Arsenic, Total	ND		mg/l	0.0005	--	1	08/19/11 09:00	08/23/11 09:13	1,6020A	LR
Beryllium, Total	ND		mg/l	0.0005	--	1	08/19/11 09:00	08/23/11 09:13	1,6020A	LR
Cadmium, Total	ND		mg/l	0.0005	--	1	08/19/11 09:00	08/23/11 09:13	1,6020A	LR
Chromium, Total	ND		mg/l	0.001	--	1	08/19/11 09:00	08/23/11 09:13	1,6020A	LR
Copper, Total	ND		mg/l	0.001	--	1	08/19/11 09:00	08/23/11 09:13	1,6020A	LR
Lead, Total	ND		mg/l	0.001	--	1	08/19/11 09:00	08/23/11 09:13	1,6020A	LR
Nickel, Total	ND		mg/l	0.0005	--	1	08/19/11 09:00	08/23/11 09:13	1,6020A	LR
Selenium, Total	ND		mg/l	0.005	--	1	08/19/11 09:00	08/23/11 09:13	1,6020A	LR
Silver, Total	ND		mg/l	0.0002	--	1	08/19/11 09:00	08/23/11 10:41	1,6020A	LR
Thallium, Total	ND		mg/l	0.0002	--	1	08/19/11 09:00	08/23/11 09:13	1,6020A	LR
Zinc, Total	ND		mg/l	0.010	--	1	08/19/11 09:00	08/23/11 09:13	1,6020A	LR

Prep Information

Digestion Method: EPA 3020A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-04 Batch: WG485441-1										
Antimony, Total	ND		mg/kg	0.050	--	2	08/19/11 10:00	08/23/11 15:10	1,6020A	LR
Silver, Total	ND		mg/kg	0.050	--	2	08/19/11 10:00	08/23/11 15:10	1,6020A	LR

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-04 Batch: WG485443-1										
Arsenic, Total	ND		mg/kg	0.050	--	2	08/19/11 10:00	08/23/11 14:23	1,6020A	LR
Beryllium, Total	ND		mg/kg	0.050	--	2	08/19/11 10:00	08/23/11 14:23	1,6020A	LR
Cadmium, Total	ND		mg/kg	0.050	--	2	08/19/11 10:00	08/23/11 14:23	1,6020A	LR
Chromium, Total	ND		mg/kg	0.200	--	2	08/19/11 10:00	08/23/11 14:23	1,6020A	LR

Project Name: RISDON **Lab Number:** L1111608

Project Number: 97001.00 **Report Date:** 08/24/11

Method Blank Analysis
Batch Quality Control

Copper, Total	ND	mg/kg	0.100	--	2	08/19/11 10:00	08/23/11 14:23	1,6020A	LR
Lead, Total	ND	mg/kg	0.050	--	2	08/19/11 10:00	08/23/11 14:23	1,6020A	LR
Nickel, Total	ND	mg/kg	0.100	--	2	08/19/11 10:00	08/23/11 14:23	1,6020A	LR
Selenium, Total	ND	mg/kg	0.100	--	2	08/19/11 10:00	08/23/11 14:23	1,6020A	LR
Thallium, Total	ND	mg/kg	0.050	--	2	08/19/11 10:00	08/23/11 14:23	1,6020A	LR
Zinc, Total	ND	mg/kg	1.00	--	2	08/19/11 10:00	08/23/11 14:23	1,6020A	LR

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-04 Batch: WG485446-1										
Mercury, Total	ND		mg/kg	0.013	--	5	08/19/11 10:00	08/23/11 09:27	1,7474	JK

Prep Information

Digestion Method: EPA 7474

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 05-08 Batch: WG485953-1										
Mercury, Total	ND		mg/l	0.00005	--	1	08/22/11 16:00	08/23/11 11:44	1,7474	JK

Prep Information

Digestion Method: EPA 7474

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1111608
Report Date: 08/24/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 05-08 Batch: WG485411-2 SRM Lot Number: S1SPIKE								
Arsenic, Total	102		-		80-120	-		20
Beryllium, Total	100		-		80-120	-		20
Cadmium, Total	101		-		80-120	-		20
Chromium, Total	104		-		80-120	-		20
Copper, Total	101		-		80-120	-		20
Lead, Total	102		-		80-120	-		20
Nickel, Total	100		-		80-120	-		20
Selenium, Total	100		-		80-120	-		20
Thallium, Total	101		-		80-120	-		20
Zinc, Total	98		-		80-120	-		20
Total Metals - Mansfield Lab Associated sample(s): 05-08 Batch: WG485411-3 SRM Lot Number: S3SPIKE								
Antimony, Total	106		-		80-120	-		20
Silver, Total	95		-		80-120	-		20
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG485441-2 SRM Lot Number: S3SPIKE								
Antimony, Total	118		-		80-120	-		20
Silver, Total	116		-		80-120	-		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1111608
Report Date: 08/24/11

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG485443-2 SRM Lot Number: S1SPIKE					
Arsenic, Total	115	-	80-120	-	20
Beryllium, Total	113	-	80-120	-	20
Cadmium, Total	108	-	80-120	-	20
Chromium, Total	102	-	80-120	-	20
Copper, Total	98	-	80-120	-	20
Lead, Total	106	-	80-120	-	20
Nickel, Total	99	-	80-120	-	20
Selenium, Total	113	-	80-120	-	20
Thallium, Total	106	-	80-120	-	20
Zinc, Total	108	-	80-120	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG485446-2 SRM Lot Number: HPHGAF					
Mercury, Total	102	-	80-120	-	20
Total Metals - Mansfield Lab Associated sample(s): 05-08 Batch: WG485953-2 SRM Lot Number: HPHGAF					
Mercury, Total	102	-	80-120	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.00
Lab Number: L1111608
Report Date: 08/24/11

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 05-08 QC Batch ID: WG485411-5 QC Sample: L1111608-05 Client ID: SR-SW-01												
Arsenic, Total	0.0013	1	1.038	104		-	-		75-125	-		20
Beryllium, Total	ND	0.5	0.4913	98		-	-		75-125	-		20
Cadmium, Total	ND	0.5	0.4984	100		-	-		75-125	-		20
Chromium, Total	ND	1	1.09	109		-	-		75-125	-		20
Copper, Total	0.003	1	0.998	100		-	-		75-125	-		20
Lead, Total	ND	1	1.00	100		-	-		75-125	-		20
Nickel, Total	0.0013	1	1.017	102		-	-		75-125	-		20
Selenium, Total	ND	1	1.02	102		-	-		75-125	-		20
Thallium, Total	ND	1	1.017	102		-	-		75-125	-		20
Zinc, Total	0.014	1	0.989	97		-	-		75-125	-		20
Total Metals - Mansfield Lab Associated sample(s): 05-08 QC Batch ID: WG485411-6 QC Sample: L1111608-05 Client ID: SR-SW-01												
Antimony, Total	ND	0.04	0.0429	107		-	-		75-125	-		20
Silver, Total	ND	0.04	0.0373	93		-	-		75-125	-		20
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG485441-4 QC Sample: L1111608-01 Client ID: SR-SED-01												
Antimony, Total	0.091	1.49	0.934	**57**	Q	-	-		75-125	-		20
Silver, Total	0.052	1.49	1.62	105		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.00
Lab Number: L1111608
Report Date: 08/24/11

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG485443-4 QC Sample: L1111608-01 Client ID: SR-SED-01									
Arsenic, Total	1.87	139	164	117	-	-	75-125	-	20
Beryllium, Total	0.207	69.4	80.6	116	-	-	75-125	-	20
Cadmium, Total	0.124	69.4	75.9	109	-	-	75-125	-	20
Chromium, Total	7.22	139	148	101	-	-	75-125	-	20
Copper, Total	11.5	139	154	103	-	-	75-125	-	20
Lead, Total	7.73	139	144	100	-	-	75-125	-	20
Nickel, Total	7.35	139	143	98	-	-	75-125	-	20
Selenium, Total	0.437	139	162	116	-	-	75-125	-	20
Thallium, Total	ND	139	135	97	-	-	75-125	-	20
Zinc, Total	55.9	139	192	98	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG485446-4 QC Sample: L1111608-01 Client ID: SR-SED-01									
Mercury, Total	0.205	1.55	1.71	97	-	-	80-120	-	20
Total Metals - Mansfield Lab Associated sample(s): 05-08 QC Batch ID: WG485953-4 QC Sample: L1111608-07 Client ID: SR-SW-REF-01									
Mercury, Total	ND	0.005	0.00497	99	-	-	80-120	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1111608
Report Date: 08/24/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 05-08 QC Batch ID: WG485411-4 QC Sample: L1111608-05 Client ID: SR-SW-01						
Antimony, Total	ND	ND	mg/l	NC		20
Silver, Total	ND	ND	mg/l	NC		20
Total Metals - Mansfield Lab Associated sample(s): 05-08 QC Batch ID: WG485411-4 QC Sample: L1111608-05 Client ID: SR-SW-01						
Arsenic, Total	0.0013	0.0011	mg/l	10		20
Beryllium, Total	ND	ND	mg/l	NC		20
Cadmium, Total	ND	ND	mg/l	NC		20
Chromium, Total	ND	ND	mg/l	NC		20
Copper, Total	0.003	0.003	mg/l	**25**		20
Lead, Total	ND	ND	mg/l	NC		20
Nickel, Total	0.0013	0.0015	mg/l	14		20
Selenium, Total	ND	ND	mg/l	NC		20
Thallium, Total	ND	ND	mg/l	NC		20
Zinc, Total	0.014	0.020	mg/l	**32**		20
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG485441-3 QC Sample: L1111608-01 Client ID: SR-SED-01						
Antimony, Total	0.091	0.116	mg/kg	**24**		20
Silver, Total	0.052	0.075	mg/kg	**37**		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1111608
Report Date: 08/24/11

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG485443-3 QC Sample: L1111608-01 Client ID: SR-SED-01						
Arsenic, Total	1.87	1.12	mg/kg	**50**	Q	20
Beryllium, Total	0.207	0.153	mg/kg	**30**		20
Cadmium, Total	0.124	0.069	mg/kg	**56**		20
Chromium, Total	7.22	6.36	mg/kg	13		20
Copper, Total	11.5	56.7	mg/kg	**133**	Q	20
Nickel, Total	7.35	4.64	mg/kg	**45**	Q	20
Selenium, Total	0.437	0.135	mg/kg	**106**		20
Zinc, Total	55.9	48.0	mg/kg	15		20
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG485443-3 QC Sample: L1111608-01 Client ID: SR-SED-01						
Lead, Total	7.73	12.0	mg/kg	**43**	Q	20
Thallium, Total	ND	ND	mg/kg	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG485446-3 QC Sample: L1111608-01 Client ID: SR-SED-01						
Mercury, Total	0.205	0.127	mg/kg	**47**	Q	20
Total Metals - Mansfield Lab Associated sample(s): 05-08 QC Batch ID: WG485953-3 QC Sample: L1111608-07 Client ID: SR-SW-REF-01						
Mercury, Total	ND	ND	mg/l	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1111608
Report Date: 08/24/11

SAMPLE RESULTS

Lab ID: L1111608-01
Client ID: SR-SED-01
Sample Location: DANBURY, CT
Matrix: Soil

Date Collected: 07/29/11 09:30
Date Received: 08/01/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80		%	0.10	NA	1	-	08/02/11 16:07	30,2540G	MD
CT RCP General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/kg	1.2	--	1	08/02/11 16:00	08/03/11 16:13	77,9014	JO

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1111608
Report Date: 08/24/11

SAMPLE RESULTS

Lab ID: L1111608-02
Client ID: SR-SED-02
Sample Location: DANBURY, CT
Matrix: Soil

Date Collected: 07/29/11 09:00
Date Received: 08/01/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80		%	0.10	NA	1	-	08/02/11 16:07	30,2540G	MD
CT RCP General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/kg	1.1	--	1	08/02/11 16:00	08/03/11 16:14	77,9014	JO

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1111608
Report Date: 08/24/11

SAMPLE RESULTS

Lab ID: L1111608-03
Client ID: SR-SED-REF-01
Sample Location: DANBURY, CT
Matrix: Soil

Date Collected: 07/29/11 09:55
Date Received: 08/01/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83		%	0.10	NA	1	-	08/02/11 16:07	30,2540G	MD
CT RCP General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/kg	1.2	--	1	08/02/11 16:00	08/03/11 16:15	77,9014	JO

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1111608
Report Date: 08/24/11

SAMPLE RESULTS

Lab ID: L1111608-04
Client ID: SR-SED-50
Sample Location: DANBURY, CT
Matrix: Soil

Date Collected: 07/29/11 09:30
Date Received: 08/01/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78		%	0.10	NA	1	-	08/02/11 16:07	30,2540G	MD
CT RCP General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/kg	1.2	--	1	08/02/11 16:00	08/03/11 16:15	77,9014	JO

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1111608
Report Date: 08/24/11

SAMPLE RESULTS

Lab ID: L1111608-05
Client ID: SR-SW-01
Sample Location: DANBURY, CT
Matrix: Water

Date Collected: 07/29/11 09:20
Date Received: 08/01/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
CT RCP General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	--	1	08/02/11 16:00	08/03/11 16:16	77,9014	JO

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1111608
Report Date: 08/24/11

SAMPLE RESULTS

Lab ID: L1111608-06
Client ID: SR-SW-02
Sample Location: DANBURY, CT
Matrix: Water

Date Collected: 07/29/11 08:50
Date Received: 08/01/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
CT RCP General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	--	1	08/02/11 16:00	08/03/11 16:10	77,9014	JO

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1111608
Report Date: 08/24/11

SAMPLE RESULTS

Lab ID: L1111608-07
Client ID: SR-SW-REF-01
Sample Location: DANBURY, CT
Matrix: Water

Date Collected: 07/29/11 09:50
Date Received: 08/01/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
CT RCP General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	--	1	08/02/11 16:00	08/03/11 16:11	77,9014	JO

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1111608
Report Date: 08/24/11

SAMPLE RESULTS

Lab ID: L1111608-08
Client ID: SR-SW-50
Sample Location: DANBURY, CT
Matrix: Water

Date Collected: 07/29/11 09:20
Date Received: 08/01/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
CT RCP General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	--	1	08/02/11 16:00	08/03/11 16:11	77,9014	JO

Project Name: RISDON **Lab Number:** L1111608

Project Number: 97001.00 **Report Date:** 08/24/11

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
CT RCP General Chemistry - Westborough Lab for sample(s): 01-04 Batch: WG482400-3										
Cyanide, Total	ND		mg/kg	0.95	--	1	08/02/11 16:00	08/03/11 14:53	77,9014	JO
CT RCP General Chemistry - Westborough Lab for sample(s): 05-08 Batch: WG482401-3										
Cyanide, Total	ND		mg/l	0.005	--	1	08/02/11 16:00	08/03/11 14:53	77,9014	JO

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1111608
Report Date: 08/24/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP General Chemistry - Westborough Lab Associated sample(s): 01-04 Batch: WG482400-1 WG482400-2								
Cyanide, Total	111		105		80-120	6		35
CT RCP General Chemistry - Westborough Lab Associated sample(s): 05-08 Batch: WG482401-1 WG482401-2								
Cyanide, Total	90		95		80-120	5		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1111608
Report Date: 08/24/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG482405-1 QC Sample: L1111605-17 Client ID: DUP Sample						
Solids, Total	74	74	%	0		20

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1111608
Report Date: 08/24/11

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 08/02/2011 01:05

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1111608-01A	Vial MeOH preserved	A	N/A	2.8	Y	Absent	CT-8260HLW(14)
L1111608-01B	Vial water preserved	A	N/A	2.8	Y	Absent	CT-8260HLW(14)
L1111608-01C	Vial water preserved	A	N/A	2.8	Y	Absent	CT-8260HLW(14)
L1111608-01D	Amber 250ml unpreserved	A	N/A	2.8	Y	Absent	CT-AG-6010T(180),CT-TCN-9014(14),CT-AS-6010T(180),CT-CU-6010T(180),CT-SB-6010T(180),CT-SE-6010T(180),TS(7),CT-HG-7471T(28),CT-NI-6010T(180),CT-PB-6010T(180),CT-CR-6010T(180),CT-ZN-6010T(180),CT-BE-6010T(180),CT-CD-6010T(180),CT-TL-6010T(180)
L1111608-01X	Amber 120ml unpreserved split	A	N/A	2.8	Y	Absent	A2-PB-6020T(180),A2-NI-6020T(180),A2-SB-6020T(180),A2-ZN-6020T(180),A2-HG-7474T(28),A2-CR-6020T(180),A2-TL-6020T(180),A2-AS-6020T(180),A2-BE-6020T(180),A2-CD-6020T(180),A2-HGPREP-AF(28),A2-PREP-3050:2T(180),A2-SE-6020T(180),A2-AG-6020T(180),A2-CU-6020T(180),A2-PREP-3050:1T(180)
L1111608-02A	Vial MeOH preserved	A	N/A	2.8	Y	Absent	CT-8260HLW(14)
L1111608-02B	Vial water preserved	A	N/A	2.8	Y	Absent	CT-8260HLW(14)
L1111608-02C	Vial water preserved	A	N/A	2.8	Y	Absent	CT-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1111608
Report Date: 08/24/11

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1111608-02D	Amber 250ml unpreserved	A	N/A	2.8	Y	Absent	CT-AG-6010T(180),CT-TCN-9014(14),CT-AS-6010T(180),CT-CU-6010T(180),CT-SB-6010T(180),CT-SE-6010T(180),TS(7),CT-HG-7471T(28),CT-NI-6010T(180),CT-PB-6010T(180),CT-CR-6010T(180),CT-ZN-6010T(180),CT-BE-6010T(180),CT-CD-6010T(180),CT-TL-6010T(180)
L1111608-02X	Amber 120ml unpreserved split	A	N/A	2.8	Y	Absent	A2-PB-6020T(180),A2-NI-6020T(180),A2-SB-6020T(180),A2-ZN-6020T(180),A2-HG-7474T(28),A2-CR-6020T(180),A2-TL-6020T(180),A2-AS-6020T(180),A2-BE-6020T(180),A2-CD-6020T(180),A2-HGPREP-AF(28),A2-PREP-3050:2T(180),A2-SE-6020T(180),A2-AG-6020T(180),A2-CU-6020T(180),A2-PREP-3050:1T(180)
L1111608-03A	Vial MeOH preserved	A	N/A	2.8	Y	Absent	CT-8260HLW(14)
L1111608-03B	Vial water preserved	A	N/A	2.8	Y	Absent	CT-8260HLW(14)
L1111608-03C	Vial water preserved	A	N/A	2.8	Y	Absent	CT-8260HLW(14)
L1111608-03D	Amber 250ml unpreserved	A	N/A	2.8	Y	Absent	CT-AG-6010T(180),CT-TCN-9014(14),CT-AS-6010T(180),CT-CU-6010T(180),CT-SB-6010T(180),CT-SE-6010T(180),TS(7),CT-HG-7471T(28),CT-NI-6010T(180),CT-PB-6010T(180),CT-CR-6010T(180),CT-ZN-6010T(180),CT-BE-6010T(180),CT-CD-6010T(180),CT-TL-6010T(180)

*Values in parentheses indicate holding time in days

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1111608
Report Date: 08/24/11

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1111608-03X	Amber 120ml unpreserved split	A	N/A	2.8	Y	Absent	A2-PB-6020T(180),A2-NI-6020T(180),A2-SB-6020T(180),A2-ZN-6020T(180),A2-HG-7474T(28),A2-CR-6020T(180),A2-TL-6020T(180),A2-AS-6020T(180),A2-BE-6020T(180),A2-CD-6020T(180),A2-HGPREP-AF(28),A2-PREP-3050:2T(180),A2-SE-6020T(180),A2-AG-6020T(180),A2-CU-6020T(180),A2-PREP-3050:1T(180)
L1111608-04A	Vial MeOH preserved	A	N/A	2.8	Y	Absent	CT-8260HLW(14)
L1111608-04B	Vial water preserved	A	N/A	2.8	Y	Absent	CT-8260HLW(14)
L1111608-04C	Vial water preserved	A	N/A	2.8	Y	Absent	CT-8260HLW(14)
L1111608-04D	Amber 250ml unpreserved	A	N/A	2.8	Y	Absent	CT-AG-6010T(180),CT-TCN-9014(14),CT-AS-6010T(180),CT-CU-6010T(180),CT-SB-6010T(180),CT-SE-6010T(180),TS(7),CT-HG-7471T(28),CT-NI-6010T(180),CT-PB-6010T(180),CT-CR-6010T(180),CT-ZN-6010T(180),CT-BE-6010T(180),CT-CD-6010T(180),CT-TL-6010T(180)
L1111608-04X	Amber 120ml unpreserved split	A	N/A	2.8	Y	Absent	A2-PB-6020T(180),A2-NI-6020T(180),A2-SB-6020T(180),A2-ZN-6020T(180),A2-HG-7474T(28),A2-CR-6020T(180),A2-TL-6020T(180),A2-AS-6020T(180),A2-BE-6020T(180),A2-CD-6020T(180),A2-HGPREP-AF(28),A2-PREP-3050:2T(180),A2-SE-6020T(180),A2-AG-6020T(180),A2-CU-6020T(180),A2-PREP-3050:1T(180)
L1111608-05A	Vial HCl preserved	A	N/A	2.8	Y	Absent	CT-8260(14)
L1111608-05B	Vial HCl preserved	A	N/A	2.8	Y	Absent	CT-8260(14)
L1111608-05C	Vial HCl preserved	A	N/A	2.8	Y	Absent	CT-8260(14)

*Values in parentheses indicate holding time in days

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1111608
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Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1111608-05D	Plastic 250ml HNO3 preserved	A	<2	2.8	Y	Absent	A2-PB-6020T(180),CT-AG-6010T(180),CT-AS-6020T(180),A2-NI-6020T(180),A2-SB-6020T(180),A2-ZN-6020T(180),CT-CU-6010T(180),CT-SE-6010T(180),CT-TL-6020T(180),A2-CR-6020T(180),A2-TL-6020T(180),CT-HG-7470T(28),A2-AS-6020T(180),CT-BE-6020T(180),CT-NI-6010T(180),CT-PB-6010T(180),CT-SB-6020T(180),A2-BE-6020T(180),A2-CD-6020T(180),A2-PREP-3020(180),A2-SE-6020T(180),CT-CR-6010T(180),CT-ZN-6010T(180),A2-AG-6020T(180),A2-CU-6020T(180),CT-CD-6010T(180)
L1111608-05E	Plastic 250ml NaOH preserved	A	>12	2.8	Y	Absent	CT-TCN-9014(14)
L1111608-06A	Vial HCl preserved	A	N/A	2.8	Y	Absent	CT-8260(14)
L1111608-06B	Vial HCl preserved	A	N/A	2.8	Y	Absent	CT-8260(14)
L1111608-06C	Vial HCl preserved	A	N/A	2.8	Y	Absent	CT-8260(14)
L1111608-06D	Plastic 250ml HNO3 preserved	A	<2	2.8	Y	Absent	A2-PB-6020T(180),CT-AG-6010T(180),CT-AS-6020T(180),A2-NI-6020T(180),A2-SB-6020T(180),A2-ZN-6020T(180),CT-CU-6010T(180),CT-SE-6010T(180),CT-TL-6020T(180),A2-CR-6020T(180),A2-TL-6020T(180),CT-HG-7470T(28),A2-AS-6020T(180),CT-BE-6020T(180),CT-NI-6010T(180),CT-PB-6010T(180),CT-SB-6020T(180),A2-BE-6020T(180),A2-CD-6020T(180),A2-PREP-3020(180),A2-SE-6020T(180),CT-CR-6010T(180),CT-ZN-6010T(180),A2-AG-6020T(180),A2-CU-6020T(180),CT-CD-6010T(180)
L1111608-06E	Plastic 250ml NaOH preserved	A	>12	2.8	Y	Absent	CT-TCN-9014(14)
L1111608-07A	Vial HCl preserved	A	N/A	2.8	Y	Absent	CT-8260(14)
L1111608-07B	Vial HCl preserved	A	N/A	2.8	Y	Absent	CT-8260(14)

*Values in parentheses indicate holding time in days

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Lab Number: L1111608
Report Date: 08/24/11

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1111608-07C	Vial HCl preserved	A	N/A	2.8	Y	Absent	CT-8260(14)
L1111608-07D	Plastic 250ml HNO3 preserved	A	<2	2.8	Y	Absent	A2-PB-6020T(180),CT-AG-6010T(180),CT-AS-6020T(180),A2-NI-6020T(180),A2-SB-6020T(180),A2-ZN-6020T(180),CT-CU-6010T(180),CT-SE-6010T(180),CT-TL-6020T(180),A2-CR-6020T(180),A2-TL-6020T(180),CT-HG-7470T(28),A2-AS-6020T(180),CT-BE-6020T(180),CT-NI-6010T(180),CT-PB-6010T(180),CT-SB-6020T(180),A2-BE-6020T(180),A2-CD-6020T(180),A2-PREP-3020(180),A2-SE-6020T(180),CT-CR-6010T(180),CT-ZN-6010T(180),A2-AG-6020T(180),A2-CU-6020T(180),CT-CD-6010T(180)
L1111608-07E	Plastic 250ml NaOH preserved	A	>12	2.8	Y	Absent	CT-TCN-9014(14)
L1111608-08A	Vial HCl preserved	A	N/A	2.8	Y	Absent	CT-8260(14)
L1111608-08B	Vial HCl preserved	A	N/A	2.8	Y	Absent	CT-8260(14)
L1111608-08C	Vial HCl preserved	A	N/A	2.8	Y	Absent	CT-8260(14)
L1111608-08D	Plastic 250ml HNO3 preserved	A	<2	2.8	Y	Absent	A2-PB-6020T(180),CT-AG-6010T(180),CT-AS-6020T(180),A2-NI-6020T(180),A2-SB-6020T(180),A2-ZN-6020T(180),CT-CU-6010T(180),CT-SE-6010T(180),CT-TL-6020T(180),A2-CR-6020T(180),A2-TL-6020T(180),CT-HG-7470T(28),A2-AS-6020T(180),CT-BE-6020T(180),CT-NI-6010T(180),CT-PB-6010T(180),CT-SB-6020T(180),A2-BE-6020T(180),A2-CD-6020T(180),A2-PREP-3020(180),A2-SE-6020T(180),CT-CR-6010T(180),CT-ZN-6010T(180),A2-AG-6020T(180),A2-CU-6020T(180),CT-CD-6010T(180)
L1111608-08E	Plastic 250ml NaOH preserved	A	>12	2.8	Y	Absent	CT-TCN-9014(14)
L1111608-09A	Vial HCl preserved	A	N/A	2.8	Y	Absent	CT-8260(14)

*Values in parentheses indicate holding time in days

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1111608
Report Date: 08/24/11

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1111608-09B	Vial HCl preserved	A	N/A	2.8	Y	Absent	CT-8260(14)

*Values in parentheses indicate holding time in days

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Project Number: 97001.00 **Report Date:** 08/24/11

GLOSSARY

Acronyms

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less

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Data Qualifiers

than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name: RISDON **Lab Number:** L1111608
Project Number: 97001.00 **Report Date:** 08/24/11

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

77 Connecticut DEP Quality Assurance and Quality Control Requirements for SW-846 Methods. CTDEP Reasonable Confidence Protocols (RCPs). Version 1.0, July 2005.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised July 28, 2011 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223D, 9222D. Organic Parameters: 608, 8081, 8082, 8330, 8151A, 624, 8260, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014A, 9040B, 9045C, 6010B, 7471A, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8330, 8151A, 8081A, 8082, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl, V,Zn); 245.1, SM4500H,B, EPA 120.1,

SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, 9050A, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3580A, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 6020A, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, 3015, EPA 6010B, 6010C, 7196A, 3060A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8081B, 8082, 8082A, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 7196A, 3060A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 1312, 200.7, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE. Organic Parameters: EPA 3510C, 5030B, 625, 624, 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 6010B, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3545, 3546, 3550B**,** 3580A, 3630C, 5035, 8015B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2¯D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Department of Defense Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix.

Certificate/Approval Program Summary

Last revised August 4, 2011 – Mansfield Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0141.

Wastewater/Non-Potable Water (Inorganic Parameters: pH, Turbidity, Conductivity, Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Vanadium, Zinc, Total Residue (Solids), Total Suspended Solids (non-filterable), Total Cyanide. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables, Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, PAHs, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Organic Carbon, Total Cyanide, Corrosivity, TCLP 1311. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Florida Department of Health Certificate/Lab ID: E87814. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, SM2540G.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7470, 7471, 9045. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

Louisiana Department of Environmental Quality Certificate/Lab ID: 03090. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 180.1, 245.7, 1631E, 3020, 6020A, 7470A, 9040, 9050A, SM2320B, 2540D, 2540G, 4500H-B, Organic Parameters: EPA 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 5030B, 8015D, 3570, 8081B, 8082A, 8260B, 8270C, 8270D.)

Solid & Chemical Materials (Inorganic Parameters: EPA 1311, 3050, 3051A, 3060A, 6020A, 7196A, 7470A, 7471B, 7474, 9040B, 9045C, 9060. Organic Parameters: EPA 3540C, 3570B, 3580A, 3630C, 3640A, 3660, 3665A, 5035, 8015D, 8081B, 8082A, 8260B, 8270C, 8270D.)

Biological Tissue (Inorganic Parameters: EPA 6020A. Organic Parameters: EPA 3570, 3510C, 3610B, 3630C, 3640A, 8270C, 8270D.)

Air & Emissions (EPA TO-15.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2206. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA, 245.1, 245.7, 1631E, 180.1, 6020A, 7470A, 9040B, 9050A, SM2540D, 2540G, 4500H+B, 2320B. Organic Parameters: EPA 8081, 8082, 8260B, 8270C.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 1311, 1312, 3050B, 3051A, 3060A, 6020A, 7470A, 7471A, 9040B, 9045C, 7196A. Organic Parameters: SW-846 3540C, 3580, 3630C, 3640A, 3660B, 3665A, 5035, 8260B, 8270C, 8015D, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA015. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3010, 3020A, 3015, SM2320B, SM2540D, 2540G, , EPA 180.1, 1631E, SW-846 7470A, 9040B, 6020. Organic Parameters: SW-846 3510C, 3580A, 5030B, 5035L, 5035H, 3630C, 3640C, 3660B, 3665A, 8015B 8081A, 8082, 8260B, 8270C)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6020, 1311, 1312, 3050B, 3051, 3060A, 7196A, 7470A, 7471A, 9040B, 9045C, 9050A, 9060. Organic Parameters: SW-846 3540C, 3570, 3580A, 5030B, 5035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082, 8260B, 8270C, 8015B.)

Atmospheric Organic Parameters (EPA TO-15)

Biological Tissue (Inorganic Parameters: SW-846 6020 Organic Parameters: SW-846 8270C, 3510C, 3570, 3610C, 3630C, 3640A)

New York Department of Health Certificate/Lab ID: 11627. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, EPA 200.8, 6020, 1631E, 245.1, 245.7, 7470A, 9014, 9040B, 9050, 120.1, 4500CN-E, 4500H-B, EPA 376.2, 180.1, 3020A. Organic Parameters: EPA 8260B, 8270C, 8081A, 8082, 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 6020, 7196A, 3060A, 7471A, 7474, 9014, 9040B, 9045C, 9010B. Organic Parameters: EPA 8260B, 8270C, 8081A, DRO 8015B, 8082, 1311, 1312, 3050B, 3580, 3570, 3051, 5035, 5030B.)

Air & Emissions (EPA TO-15.)

Rhode Island Department of Health Certificate/Lab ID: LAO00299. ***NELAP Accredited via LA-DEQ.***

Refer to LA-DEQ Certificate for Non-Potable Water.

Texas Commission of Environmental Quality Certificate/Lab ID: T104704419-08-TX. ***NELAP Accredited.***

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 1311, 7196, 9040, 9045, 9060. Organic Parameters: EPA 8015, 8270, 8260, 8081, 8082.)

Air (Organic Parameters: EPA TO-15)

Washington State Department of Ecology Certificate/Lab ID: C954. *Non-Potable Water* (Inorganic Parameters: SM2540D, 2510B, EPA 120.1, 180.1, 1631E, 245.7.)

Solid & Chemical Materials (Inorganic Parameters: EPA 9040, 9060, 6020, 7470, 7471, 7474. Organic Parameters: EPA 8081, 8082, 8015 Mod, 8270, 8260.)

U.S. Army Corps of Engineers

Department of Defense Certificate/Lab ID: L2217.01.

Non-Potable Water (Inorganic Parameters: EPA 6020A, SM4500H-B. Organic Parameters: 3020A, 3510C, 5030B, 8260B, 8270C, 8270C-ALK-PAH, 8082, 8081A, 8015D-SHC.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 3050B, 6020A, 7471A, 9045C, 9060, SM 2540G, ASTM D422-63. Organic Parameters: EPA 3580A, 3570, 3540C, 5035A, 8260B, 8270C, 8270-ALK-PAH, 8082, 8081A, 8015D-SHC, 8015-DRO.

Air & Emissions (EPA TO-15.)

Analytes Not Accredited by NELAP

Certification is not available by NELAP for the following analytes: **8270C:** Biphenyl. **TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 2-Methylnaphthalene, 1-Methylnaphthalene.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 8/1/11

ALPHA Job #: L1111608

Client Information

Client: Woodard + Curran

Address: 35 New England Business Center, Andover, MA, 01810

Phone: 978 557 8150

Fax: 978 557 7946

Email:

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Risdon

Project Location: Danbury CT

Project #: 97001.00

Project Manager: Cathy Rockwell

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

Report Information - Data Deliverables

☐ FAX ☐ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program CT RSRs Criteria

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

SAMPLE HANDLING

Filtration ☐ Done ☐ Not needed ☐ Lab to do

Preservation ☐ Lab to do (Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	90 Solids	VOCs	13 PP Metals	Cyanide	Total # Bottles	Sample Specific Comments
11608.1	SR-SED-01	7/29/11	930	B	WCD	X	X	X	X		please see the attached analyte list!
2	SR-SED-02	7/29/11	900	B	WCD	X	X	X	X		
3	SR-SED-REF-01	7/29/11	955	B	WCD	X	X	X	X		
4	SR-SED-50	7/29/11	930	B	WCD	X	X	X	X		-The following compounds are to be reported to the IDL
5	SR-SW-01	7/29/11	920	SW	WCD		X	X	X		
6	SR-SW-02	7/29/11	850	SW	WCD		X	X	X		
7	SR-SW-REF-01	7/29/11	950	SW	WCD		X	X	X		
8	SR-SW-50	7/29/11	920	SW	WCD		X	X	X		-Sediment - Acetone, acrylonitrile, bromomethane,
9	Trip blank	Lab		DI			X				-Surface Water - PCE, arsenic,

Container Type

Preservative

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	8/1/11 10:00	[illegible]	8/1/11 1130
[illegible]	8/1/11 1650	[illegible]	8/1/11 1650

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

-cadmium, mercury, selenium, silver.

Serial No:08241109

TABLE 6-3a: SURFACE WATER CONTAMINANTS OF CONCERN AND OTHER TARGET ANALYTES (VOCs by CT RCP 8260B)

Analytes	CAS Number	Proposed Screening Levels (ug/l)				Laboratory IDL (µg/l)	Laboratory QL (µg/l)
		CTDEP Water Quality Criteria					
		Current (2002)		Proposed (Dec 2009)			
		Aquatic Life, Chronic Freshwater	Human Health, consumption of organisms only	Aquatic Life, Chronic Freshwater	Human Health, consumption of organisms only		
1,1,1,2-Tetrachloroethane	630-20-6	NE	NE	85	9.48	0.25	0.5
1,1,1-Trichloroethane	71-55-6	NE	NE	76	9,500	0.25	0.5
1,1,2,2,-Tetrachloroethane	79-34-5	NE	11	655	3.5	0.25	0.5
1,1,2-Trichloroethane	79-00-5	NE	42	740	13.65	0.375	0.75
1,1-Dichloroethane	75-34-3	NE	NE	410	3,723	0.375	0.75
1,1-Dichloroethene	75-35-4	NE	3.2	210	625	0.25	0.5
1,1-Dichloropropene	563-58-6	NE	NE	NE	NE	1.25	2.5
1,2,3-Trichloropropane	96-18-4	NE	NE	NE	NE	0.875	1.75
1,2,3-Trichlorobenzene	87-61-6	NE	NE	NE	NE	1.25	2.5
1,2,4-Trichlorobenzene	120-82-1	NE	940	5	7.75	1.25	2.5
1,2,4-Trimethylbenzene	95-63-6	NE	NE	16	712	1.25	2.5
1,2-Dibromo-3-chloropropane	96-12-8	NE	NE	NE	NE	1.25	2.5
1,2-Dibromoethane	106-93-4	NE	NE	NE	NE	1	2
1,2-Dichlorobenzene	95- 50-1	NE	17,000	23	1,133	1.25	2.5
1,2-Dichloroethane	107-06-2	NE	99	2,000	32	0.25	0.5
1,2-Dichloropropane	78-87-5	NE	39	94	24	0.875	1.75
1,3,5-Trimethylbenzene	108-67-8	NE	NE	26	1,010	1.25	2.5
1,3-Dichlorobenzene	541-73-1	NE	2,600	22	13	1.25	2.5
1,3-Dichloropropane	142-28-9	NE	NE	NE	NE	1.25	2.5
1,4-Dichlorobenzene	106-46-7	NE	2,600.0	9.4	2.6	1.25	2.5
2,2-Dichloropropane	594-20-7	NE	NE	NE	NE	1.25	2.5
2-Butanone	78-93-3	NE	NE	13,752	336,000	2.5	5
2-Hexanone	591-78-6	NE	NE	NE	NE	2.5	5
4-Methyl-2-pentanone	108-10-1	NE	NE	NE	70,000	2.5	5
Acetone	67-64-1	NE	NE	1,700	504,000	2.5	5
Acrylonitrile	107-13-1	NE	0.66	8,189	2,800	2.5	5
Benzene	71-43-2	NE	71	160	6.73	0.25	0.5
Bromobenzene	108-86-1	NE	NE	NE	NE	1.25	2.5
Bromodichloromethane	75-27-4	NE	46	NE	15	0.25	0.5
Bromoform	75-25-2	NE	360	NE	NE	1	2
Bromomethane	74-83-9	NE	NE	0.005	93	0.5	1
Carbon Disulfide	75-15-0	NE	NE	15	28,544	2.5	5
Carbon Tetrachloride	56-23-5	NE	NE	240	1.44	0.25	0.5
Chlorobenzene	108-90-7	NE	21,000	47	1,359	0.25	0.5
Chloroethane	75-00-3	NE	NE	NE	752	0.5	1
Chloroform	67-66-3	NE	470	140	187	0.375	0.75
Chloromethane	74-87-3	NE	470	NE	199	1.25	2.5
cis-1,2-Dichloroethene	156-59-2	NE	NE	620	4,430	0.25	0.5
cis-1,3-Dichloropropene	10061-01-5	NE	NE	NE	NE	0.25	0.5
Dibromochloromethane	124-48-1	NE	34	NE	NE	0.25	0.5
Dibromomethane	74-95-3	NE	4000	NE	NE	2.5	5
Dichlorodifluoromethane	75-71-8	NE	NE	NE	9,642	2.5	5
Ethylbenzene	100-41-4	NE	29,000	61	187	0.25	0.5
Freon-113	76-13-1	NE	NE	NE	98,315	5	10
Hexachlorobutadiene	87-68-3	NE	50	NE	NE	0.25	0.5

Table 6-3 a and b surface water REV

TABLE 6-3a: SURFACE WATER CONTAMINANTS OF CONCERN AND OTHER TARGET ANALYTES (VOCs by CT RCP 8260B)

Analytes	CAS Number	Proposed Screening Levels (ug/l)				Laboratory IDL (µg/l)	Laboratory QL (µg/l)
		CTDEP Water Quality Criteria					
		Current (2002)		Proposed (Dec 2009)			
		Aquatic Life, Chronic Freshwater	Human Health, consumption of organisms only	Aquatic Life, Chronic Freshwater	Human Health, consumption of organisms only		
Isopropylbenzene	98-82-8	NE	NE	21	1351	0.25	0.5
Methyl tert butyl ether	1634-04-4	NE	NE	51,000	5,600	0.5	1
Methylene Chloride	75-09-2	NE	1,600	1,900	519	2.5	5
Naphthalene	91-20-3	NE	20,513	21	133	1.25	2.5
n-Butylbenzene	104-51-8	NE	NE	NE	NE	0.25	0.5
n-Propylbenzene	103-65-1	NE	NE	NE	NE	0.25	0.5
o-Chlorotoluene	95-49-8	NE	NE	NE	41	1.25	2.5
o-Xylene	95-47-6	NE	NE	27 (total)	6,554 (total)	0.5	1
p/m-xylene	106-42-3/ 108-38-3	NE	NE	27 (total)	6,554 (total)	0.5	1
p-Chlorotoluene	106-43-4	NE	NE	7	19	1.25	2.5
p-Isopropyltoluene	99-87-6	NE	NE	16.5	169	0.25	0.5
sec-Butylbenzene	135-98-8	NE	NE	NE	NE	0.25	0.5
Styrene	100-42-5	NE	NE	24	951	0.5	1
tert-Butylbenzene	98-06-6	NE	NE	NE	NE	1.25	2.5
Tetrachloroethene	127-18-4	NE	NE	53	0.21	0.25 [2]	0.5
Tetrahydrofuran	109-99-9	NE	NE	11,000	368	5	10
Toluene	108-88-3	NE	200,000	62	438	0.375	0.75
trans-1,2-Dichloroethene	156-60-5	NE	NE	560	4,430	0.375	0.75
trans-1,3-Dichloropropene	10061-02-6	NE	NE	NE	NE	0.25	0.5
trans-1,4-Dichloro-2-Butene	110-57-6	NE	NE	NE	NE	1.25	2.5
Trichloroethene	79-01-6	NE	42	220	3.71	0.25	0.5
Trichlorofluoromethane	75-65-4	NE	NE	NE	30,045	1.25	2.5
Vinyl Chloride	75-01-4	NE	525	930	2	0.5	1

Notes:

1) The proposed screening levels are based on the CT Water Quality Criteria - between the Aquatic Freshwater Chronic values and the Human health - consumption of organisms only values.

2) Laboratory QL exceeds the water quality criteria; however, the lab IDL either meets it or is lower than the QL. Therefore, the chain of custody submitted for samples being sent for this analysis will stipulate that the lab will report down to the IDL.

Feon 113 is also known as 1,1,2-Trichloro-1,2,2-Trifluoroethane.

NE = Not Established

IDL = Instrument Detection Limit

QLs = Laboratory's standard Quantitation Limits - unless otherwise noted, this is the reporting limit for the laboretory reports.

TABLE 6-3b: SURFACE WATER CONTAMINANTS OF CONCERN OTHER TARGET ANALYTES

Analytes	CAS Number	USEPA Analytical Method	Proposed Screening Levels (ug/l) CTDEP Water Quality Criteria				Laboratory IDL (µg/l)	Laboratory QL (µg/l)
			Current (2002)		Proposed (Dec 2009)			
			Aquatic Life, Chronic Freshwater	Human Health, consumption of organisms only	Aquatic Life, Chronic Freshwater	Human Health, consumption of fish		
Antimony	7440-36-0	6010B	NE	4,300	**190**	280	25	50
Arsenic	7440-38-2	1632	150	0.021	150	**0.05**	0.25 [2]	0.5
Beryllium	7440-41-7	6020A	NE	0.13	**3.6**	7	0.25	0.5
Cadmium	7440-43-9	6020A	1.35	10,769	**0.15**	11.2	0.25 [2]	0.5
Chromium	7440-47-3	6010B	11 (hex) 42 (tri)	2,019 (hex) 1,009,615 (tri)	11 (hex) **42** (tri)	**0.28** (hex) 65,625 (tri)	5	10
Copper	7440-50-8	6020A	4.8	NE	**4.8**	194	0.5	1
Cyanide, total	57-12-5	9014	5.2	220,000	**5.2**	14,000	2.5	5
Lead	7439-92-1	6020A	1.2	NE	**1.2**	NE	0.25	1
Mercury[2]	7439-97-6	1631	0.77	0.051	0.77	**0.00029**	0.00025 [2]	0.0005
Nickel	7440-02-0	6010B	28.9	4,600	**29**	30	13	25
Selenium	7782-49-2	6020A	5	11,000	**5**	729	5 [2]	10
Silver	7440-22-4	6020A	NE	107,692	**0.06**	7,000	0.1 [2]	0.2
Thallium	7440-28-0	6020A	NE	6.3	17	**0.48**	0.1	0.2
Zinc	7440-66-6	6010B	65	68,740	**65**	4,468	25	50

Notes:

1) The proposed levelings are based on the CTDEP Water Quality Criteria (Current - 2002 and the December 2009 Proposed CT Water Quality Criteria) - between the Aquatic Freshwater Chronic values and the Human health - consumption of organisms/fish only values. Values shown in **bold** above are the lowest of the proposed standards.

2) Laboratory QL exceeds the water quality criteria; however, the lab IDL does meet it. Therefore, the chain of custody submitted for samples being sent for this analysis will stipulate that the lab will report down to the IDL.

IDL = Instrument Detection Limit

QLs = Laboratory's standard Quantitation Limits - unless otherwise noted, this is the reporting limit for the laboratory reports.

NE = Not established

Serial_No:08241112:35

TABLE 6-6a: SEDIMENT CONTAMINANTS OF CONCERN AND OTHER TARGET ANALYTES (VOCs by CT RCP 8260B)

Analytes	CAS Number	Proposed Screening Level [1] EPA R5 ESL (mg/kg)	Laboratory IDL (mg/kg)	Laboratory QL (mg/kg)
1,1,1,2-Tetrachloroethane	630-20-6	NE	0.001	0.002
1,1,1-Trichloroethane	71-55-6	0.213	0.001	0.002
1,1,2,2,-Tetrachloroethane	79-34-5	0.85	0.001	0.002
1,1,2-Trichloroethane	79-00-5	0.518	0.001	0.002
1,1-Dichloroethane	75-34-3	0.027	0.001	0.002
1,1-Dichloroethene	75-35-4	0.0194	0.001	0.002
1,1-Dichloropropene	563-58-6	NE	0.001	0.002
1,2,3-Dichloropropane	87-61-6	NE	0.001	0.002
1,2,3-Trichlorobenzene	96-18-4	NE	0.001	0.002
1,2,4-Trichlorobenzene	120-82-1	5.062	0.001	0.002
1,2,4-Trimethylbenzene	95-63-6	NE	0.001	0.002
1,2-Dibromo-3-chloropropane	96-12-8	NE	0.001	0.002
1,2-Dibromoethane	106-93-4	NE	0.001	0.002
1,2-Dichlorobenzene	95- 50-1	NE	0.001	0.002
1,2-Dichloroethane	107-06-2	0.26	0.001	0.002
1,2-Dichloropropane	78-87-5	0.333	0.001	0.002
1,3,5-Trimethylbenzene	108-67-8	NE	0.001	0.002
1,3-Dichlorobenzene	541-73-1	1.315	0.001	0.002
1,3-Dichloropropane	142-28-9	NE	0.001	0.002
1,4-Dichlorobenzene	106-46-7	0.318	0.001	0.002
2,2-Dichloropropane	594-20-7	NE	0.001	0.002
2-Butanone	78-93-3	0.0424	0.001	0.002
2-Hexanone	591-78-6	0.0582	0.001	0.002
4-Methyl-2-pentanone	108-10-1	0.0251	0.001	0.002
Acetone	67-64-1	0.0099	0.005 [2]	0.010
Acrylonitrile	107-13-1	0.0012	0.001 [2]	0.002
Benzene	71-43-2	0.14157	0.001	0.002
Bromobenzene	108-86-1	NE	0.001	0.002
Bromodichloromethane	75-27-4	NE	0.001	0.002
Bromoform	75-25-2	0.492	0.001	0.002
Bromomethane	74-83-9	0.00137	0.001 [2]	0.002
Carbon Disulfide	75-15-0	0.0239	0.001	0.002
Carbon Tetrachloride	56-23-5	1.45	0.001	0.002
Chlorobenzene	108-90-7	0.291	0.001	0.002
Chloroethane	75-00-3	NE	0.001	0.002
Chloroform	67-66-3	0.121	0.001	0.002
Chloromethane	74-87-3	NE	0.001	0.002
cis-1,2-Dichloroethene	156-59-2	NE	0.001	0.002
cis-1,3-Dichloropropene	10061-01-5	NE	0.001	0.002
Dibromochloromethane	124-48-1	1.114	0.001	0.002
Dibromomethane	74-95-3	NE	0.001	0.002

Table 6-6 a and b sediment REV

TABLE 6-6a: SEDIMENT CONTAMINANTS OF CONCERN AND OTHER TARGET ANALYTES (VOCs by CT RCP 8260B)

Analytes	CAS Number	Proposed Screening Level [1] EPA R5 ESL (mg/kg)	Laboratory IDL (mg/kg)	Laboratory QL (mg/kg)
Dichlorodifluoromethane	75-71-8	NE	0.001	0.002
Ethyl Benzene	100-41-4	0.175	0.001	0.002
Freon-113	76-13-1	NE	0.001	0.002
Hexachlorobutadiene	87-68-3	0.0265	0.001	0.002
Isopropylbenzene	98-82-8	NE	0.001	0.002
Methyl tert butyl ether	1634-04-4	NE	0.001	0.002
Methylene Chloride	75-09-2	0.159	0.0025	0.005
Naphthalene	91-20-3	0.176	0.001	0.002
n-Butylbenzene	104-51-8	NE	0.001	0.002
n-Propylbenzene	103-65-1	NE	0.001	0.002
o-Chlorotoluene	95-49-8	NE	0.001	0.002
o-Xylene	95-47-6	0.433 (total xylenes)	0.001	0.002
p/m-Xylene	106-42-3/ 108-38-3	0.433 (total xylenes)	0.002	0.004
p-Chlorotoluene	106-43-4	NE	0.001	0.002
p-Isopropyltoluene	99-87-6	NE	0.001	0.002
sec-Butylbenzene	135-98-8	NE	0.001	0.002
Styrene	100-42-5	0.254	0.001	0.002
tert-Butylbenzene	98-06-6	NE	0.001	0.002
Tetrachloroethene	127-18-4	0.99	0.001	0.002
Tetrahydrofuran	109-99-9	NE	0.001	0.002
Toluene	108-88-3	1.22	0.001	0.002
trans-1,2-Dichloroethene	156-60-5	0.654	0.001	0.002
trans-1,3-Dichloropropene	10061-02-6	NE	0.001	0.002
trans-1,4-Dichloro-2-Butene	110-57-6	NE	0.001	0.002
Trichloroethene	79-01-6	0.112	0.001	0.002
Trichlorofluoromethane	75-65-4	NE	0.001	0.002
Vinyl Chloride	75-01-4	0.202	0.001	0.002

Notes:

1 For the purpose of establishing laboratory methods, the proposed screening levels for sediment organic analytes are the Region 5 USEPA Ecological Screening Levels (ESLs) for RCRA Appendix IX hazardous constituents.

2 Laboratory QL exceeds the screening level; however, the lab IDL does meet it. Therefore, the chain of custody submitted for samples being sent for this analysis will stipulate that the lab will report down to the IDL.

EPA R5 ESL = U.S. EPA Region 5 Ecological Screening Levels

NE = Not Established

IDL = Instrument Detection Limit

QLs = Laboratory's standard Quantitation Limits - unless otherwise noted, this is the reporting limit for the laboratory reports.

TABLE 6-6b: SEDIMENT CONTAMINANTS OF CONCERN AND OTHER TARGET ANALYTES: INORGANICS

Analytes	CAS Number	USEPA Analytical Method	Proposed Screening Level [1] Consensus TEC (mg/kg)	Laboratory IDL (mg/kg)	Laboratory QL (mg/kg)
Antimony	7440-36-0	6010B	NE	0.025	0.05
Arsenic	7440-38-2	6010B	9.79	0.025	0.05
Beryllium	7440-41-7	6010B	NE	0.025	0.05
Cadmium	7440-43-9	6010B	0.99	0.025	0.05
Chromium	7440-47-3	6010B	NE	0.1	0.2
Copper	7440-50-8	6010B	31.6	0.05	0.1
Cyanide, total	57-12-5	9014	NE	0.042	0.083
Lead	7439-92-1	6010B	35.8	0.025	0.05
Mercury	7439-97-6	7471A	0.18	0.006	0.012
Nickel	7440-02-0	6010B	22.7	0.05	0.1
Selenium	7782-49-2	6010B	NE	0.05	0.1
Silver	7440-22-4	6010B	NE	0.025	0.05
Thallium	7440-28-0	6010B	NE	0.025	0.05
Zinc	7440-66-6	6010B	121	0.5	1

Notes:

1 For the purpose of establishing laboratory methods, the proposed screening levels for sediment inorganic analytes are the Consensus-based Sediment Quality Guidelines (SQG) Threshold Effect Concentrations (TEC).

NE = Not established

IDL = Instrument Detection Limit

QLs = Laboratory's standard Quantitation Limits - unless otherwise noted, this is the reporting limit for the laboratory reports.

Concensus TEC = Concensus Based Threshold Effect Concentrations

Serial_No:08241112:35

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 8/1/11

ALPHA Job #: L1111608

Client Information

Client: Woodard + Curran

Address: 35 New England Business Center, Andover, MA, 01810

Phone: 978 557 8150

Fax: 978 557 7946

Email:

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Risdon

Project Location: Danbury CT

Project #: 97001.00

Project Manager: Cathy Rockwell

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

Report Information - Data Deliverables

☐ FAX ☐ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client Info PO #:

Regulatory Requirements/Report Limits

State /Fed Program CT RSRs Criteria

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All CAM methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: 10 Metals, VOCs, 13 PP Metals, Cyanide

SAMPLE HANDLING: Filtration ☐ Done ☐ Not needed ☐ Lab to do; Preservation ☐ Lab to do (Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	10 Metals	VOCs	13 PP Metals	Cyanide	Total # Bottles	Sample Specific Comments
1608 1	SR-SED-01	7/29/11	930	B	WCD	X	X	X	X		please see the attached analyte list!
2	SR-SED-02	7/29/11	900	B	WCD	X	X	X	X		
3	SR-SED-REF-01	7/29/11	955	B	WCD	X	X	X	X		-The following compounds are to be reported to the IDL
4	SR-SED-50	7/29/11	930	B	WCD	X	X	X	X		
5	SR-SW-01	7/29/11	920	SW	WCD		X	X	X		
6	SR-SW-02	7/29/11	850	SW	WCD		X	X	X		
7	SR-SW-REF-01	7/29/11	950	SW	WCD		X	X	X		
8	SR-SW-50	7/29/11	920	SW	WCD		X	X	X		-Sediment - Acetone, acrylonitrile, bromomethane,
9	Trip blank	Lab		DI			X				-Surface water - PCE, arsenic,

Container Type

Preservative

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	8/1/11 10:00	[signature]	8/1/11 1030
[signature]	8/1/11 1650	[signature]	8/1/11 1650
[signature]	8/4/11 02:00	[signature]	8/4/11 7:10

- cadmium, mercury, selenium, silver.

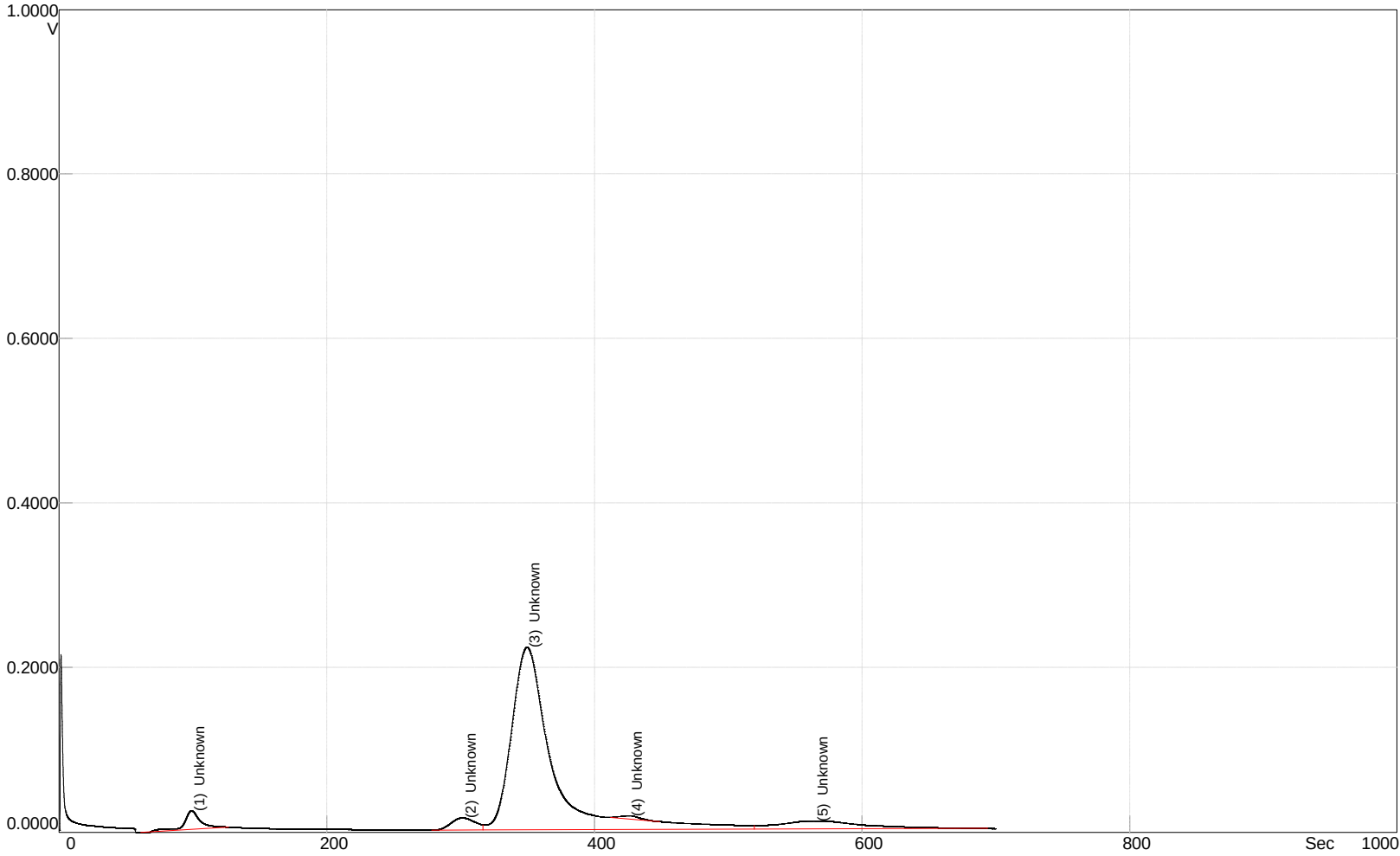
Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

APPENDIX C: FIELD GC CHROMATOGRAPHS

MW-701

t Analysis Report - C:\DOCUMENTS AND SETTINGS\SSORICELLI\DESKTOP\RISDON GC\MW701



RESULTS:

Date	May 16, 2011
Time	15:22:24
Instrument	FGGE202
Detector	PID
Column	B
Analysis#	6
Tag	
Column Temp	59.0 C
Det Temp	59.0 C
Ambient Temp	21.0 C

METHOD:

Analysis Time	700.0 S
PumpTime	10.0 S
Back Flush	700.0 S
Temperature	60.0 C
Pressure	10.0 psi
Inject	Syringe, 300.0 uL
PID State	High Sense

INTEGRATION METHOD:

Manual Integration

SlopeUp	0.1 mV/S
SlopeDown	0.1 mV/S
Min Height	0.0 mV
Min Area	0.0 mVS
FilterLevel	3
Delay	0 Sec

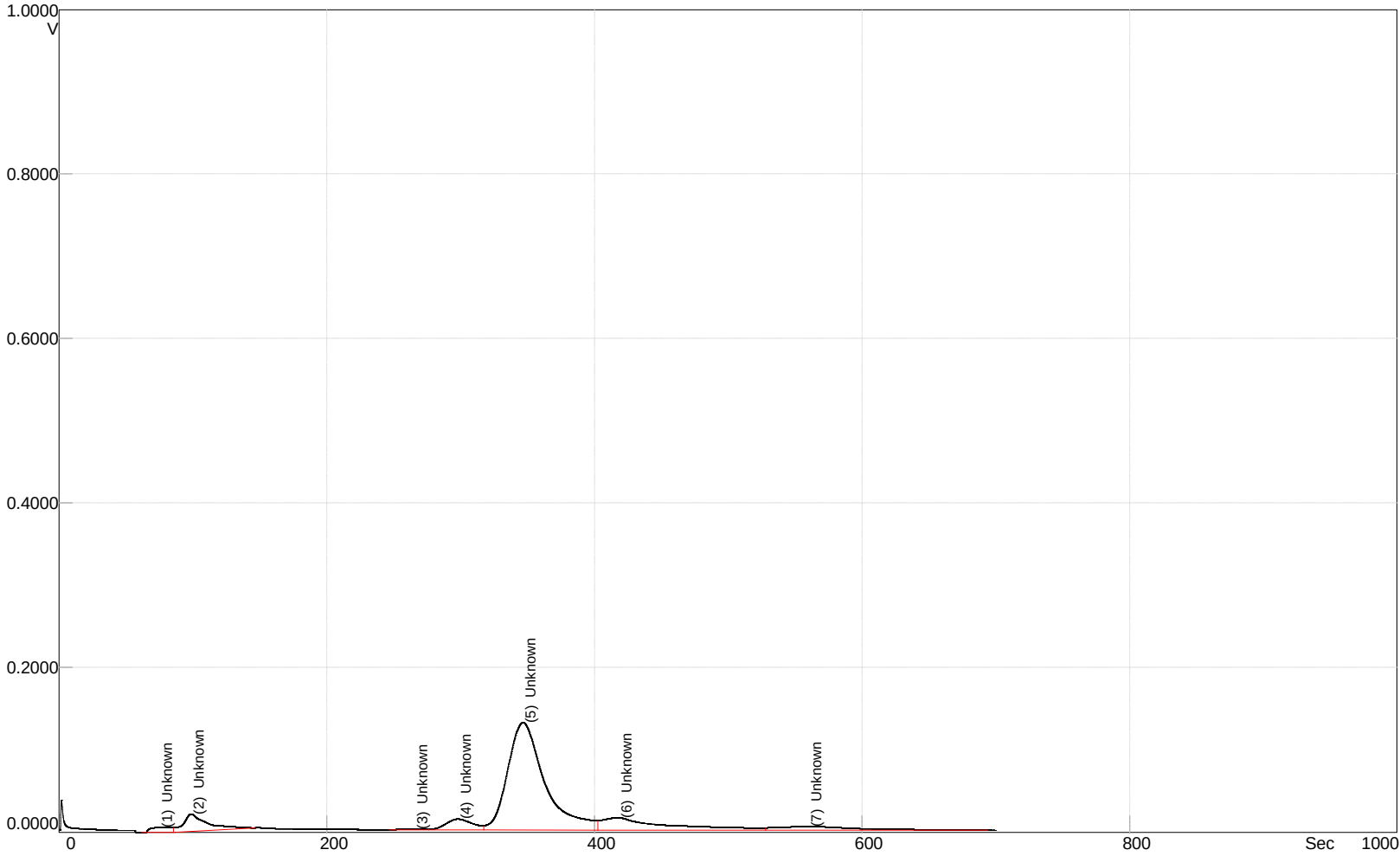
PEAK REPORT:

#	Name	Conc (PPM)	Area (mVS)	Height (mV)	R.T. (S)	Status
1	Unknown		1377	61.4	98.7	
2	Unknown		308	15.0	301.3	
3	Unknown		7896	216	349.0	
4	Unknown		62.9	1.820	425.6	

Date: 11/05/18 07:44

5	Unknown	709	5.701	564.3

Analysis Report - C:\DOCUMENTS AND SETTINGS\SSORICELLI\DESKTOP\RISDON GC\MW701C



RESULTS:

Date	May 17, 2011
Time	14:08:32
Instrument	FGGE202
Detector	PID
Column	B
Analysis#	6
Tag	
Column Temp	59.0 C
Det Temp	59.0 C
Ambient Temp	19.0 C

METHOD:

Analysis Time	700.0 S
PumpTime	10.0 S
Back Flush	1050.0 S
Temperature	60.0 C
Pressure	10.0 psi
Inject	Syringe, 300.0 uL
PID State	High Sense

INTEGRATION METHOD:

Manual Integration

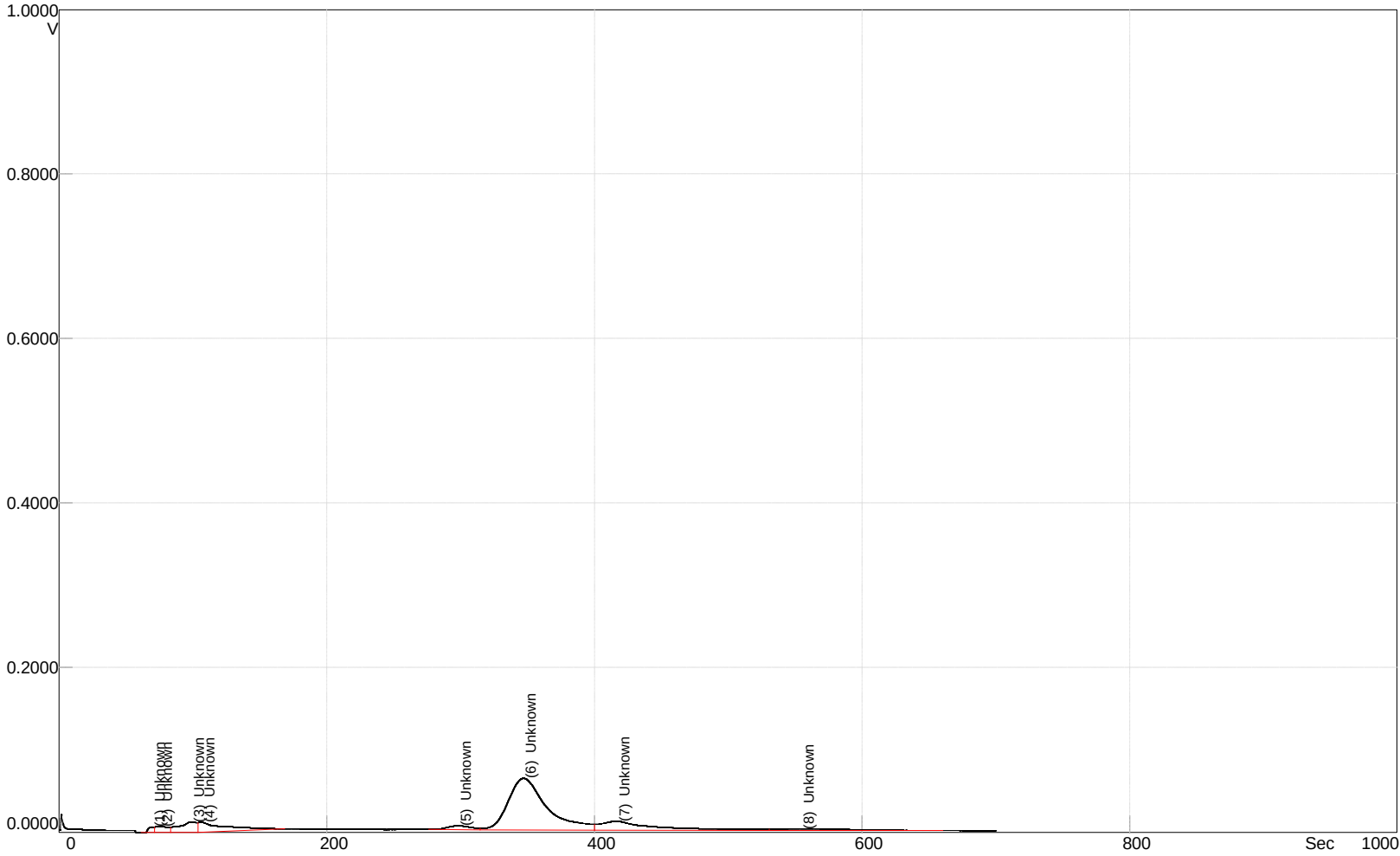
SlopeUp	0.1 mV/S
SlopeDown	0.1 mV/S
Min Height	0.0 mV
Min Area	0.0 mVS
FilterLevel	3
Delay	0 Sec

PEAK REPORT:

#	Name	Conc (PPM)	Area (mVS)	Height (mV)	R.T. (S)	Status
1	Unknown		569	32.0	74.3	
2	Unknown		911	16.5	98.3	
3	Unknown		16.3	0.879	265.3	
4	Unknown		301	12.9	297.6	

5	Unknown	4187	125	346.0
6	Unknown	810	3.608	417.6
7	Unknown	313	1.454	559.6

Analysis Report - C:\DOCUMENTS AND SETTINGS\SSORICELLI\DESKTOP\RISDON GC\MW701C



RESULTS:

Date	May 17, 2011
Time	14:56:48
Instrument	FGGE202
Detector	PID
Column	B
Analysis#	8
Tag	
Column Temp	60.0 C
Det Temp	60.0 C
Ambient Temp	20.0 C

METHOD:

Analysis Time	700.0 S
PumpTime	10.0 S
Back Flush	1050.0 S
Temperature	60.0 C
Pressure	10.0 psi
Inject	Syringe, 300.0 uL
PID State	High Sense

INTEGRATION METHOD:

Manual Integration

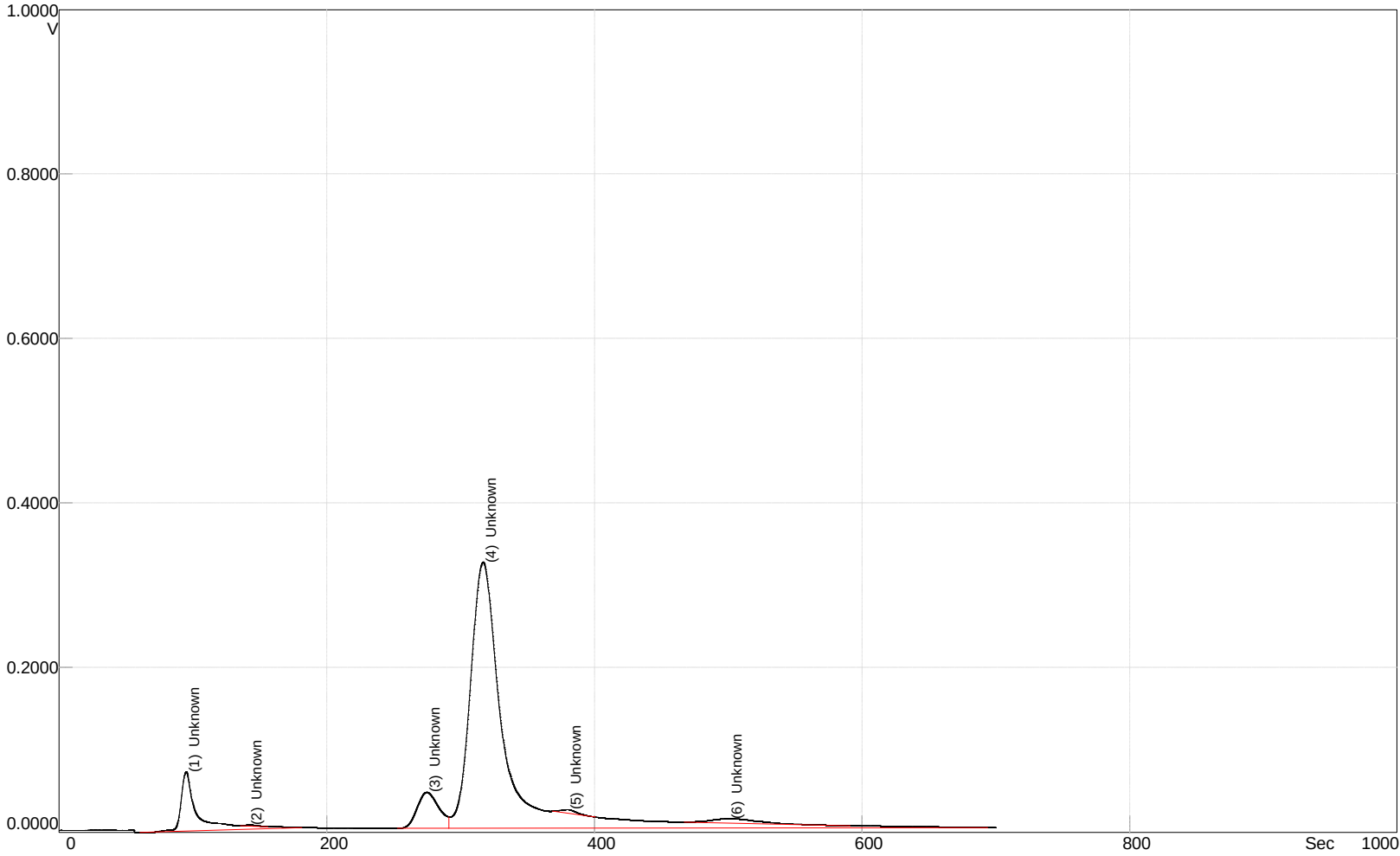
SlopeUp	0.1 mV/S
SlopeDown	0.1 mV/S
Min Height	0.0 mV
Min Area	0.0 mVS
FilterLevel	3
Delay	0 Sec

PEAK REPORT:

#	Name	Conc (PPM)	Area (mVS)	Height (mV)	R.T. (S)	Status
1	Unknown		237	33.1	68.9	
2	Unknown		331	33.2	74.5	
3	Unknown		520	6.201	98.4	
4	Unknown		693	0.430	106.0	

5	Unknown	95.1	4.360	297.6
6	Unknown	2080	60.8	346.3
7	Unknown	507	3.650	416.0
8	Unknown	131	0.522	554.0

Analysis Report - C:\DOCUMENTS AND SETTINGS\SSORICELLI\DESKTOP\RISDON GC\MW701C



RESULTS:

Date	May 18, 2011
Time	07:44:40
Instrument	FGGE202
Detector	PID
Column	B
Analysis#	4
Tag	
Column Temp	59.0 C
Det Temp	59.0 C
Ambient Temp	20.0 C

METHOD:

Analysis Time	700.0 S
PumpTime	10.0 S
Back Flush	1050.0 S
Temperature	60.0 C
Pressure	10.0 psi
Inject	Syringe, 300.0 uL
PID State	High Sense

INTEGRATION METHOD:

Manual Integration

SlopeUp	0.1 mV/S
SlopeDown	0.1 mV/S
Min Height	0.0 mV
Min Area	0.0 mVS
FilterLevel	3
Delay	0 Sec

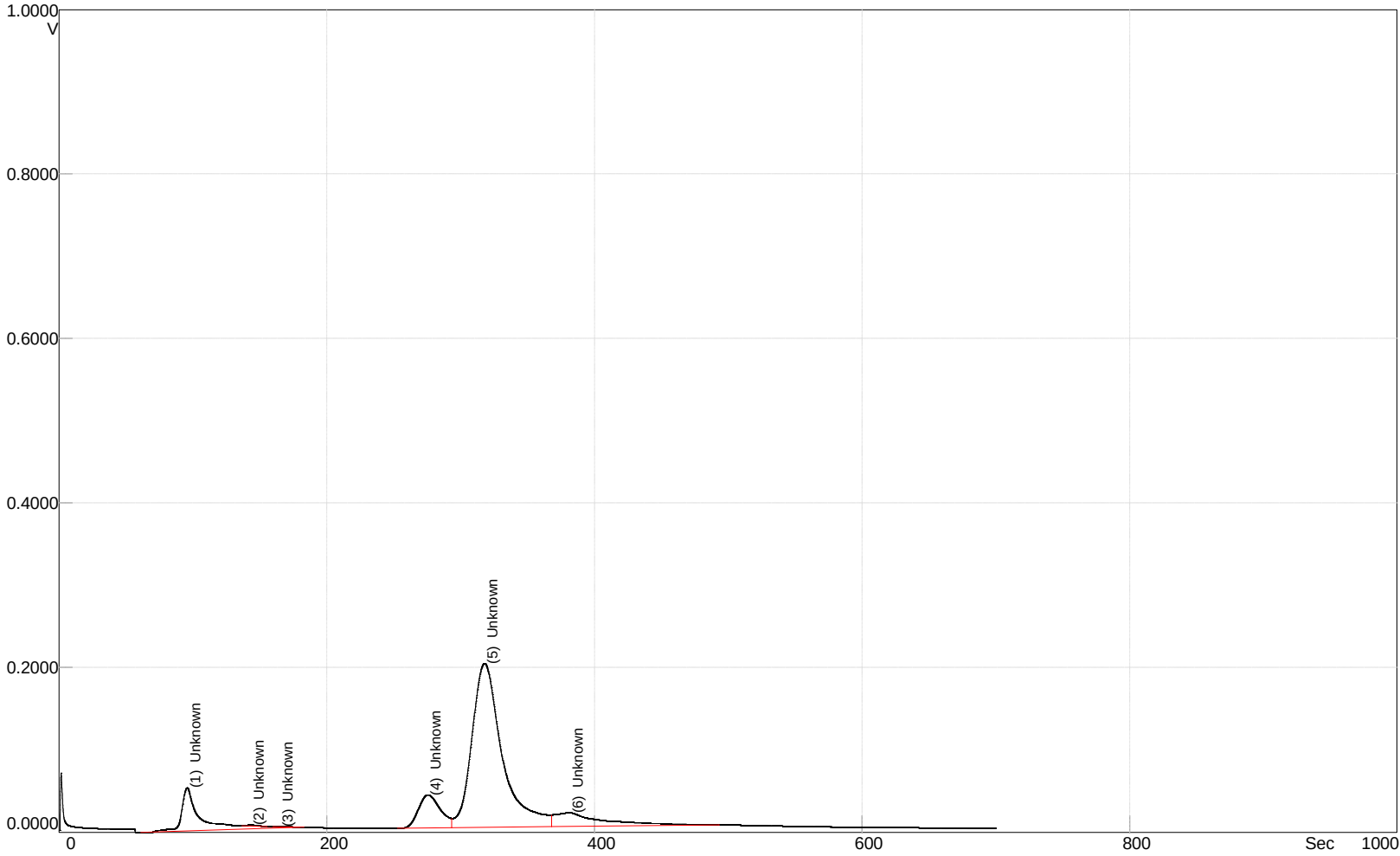
PEAK REPORT:

#	Name	Conc (PPM)	Area (mVS)	Height (mV)	R.T. (S)	Status
1	Unknown		3392	115	94.7	
2	Unknown		11.5	0.866	141.3	
3	Unknown		824	43.9	274.4	
4	Unknown		10125	309	316.5	

Date: 11/05/19 07:52

5	Unknown	59.5	1.872	379.7
6	Unknown	223	4.130	500.0

Analysis Report - C:\DOCUMENTS AND SETTINGS\SSORICELLI\DESKTOP\RISDON GC\MW701C



RESULTS:

Date	May 18, 2011
Time	08:20:41
Instrument	FGGE202
Detector	PID
Column	B
Analysis#	6
Tag	
Column Temp	60.0 C
Det Temp	60.0 C
Ambient Temp	20.0 C

METHOD:

Analysis Time	700.0 S
PumpTime	10.0 S
Back Flush	1050.0 S
Temperature	60.0 C
Pressure	10.0 psi
Inject	Syringe, 300.0 uL
PID State	High Sense

INTEGRATION METHOD:

Manual Integration

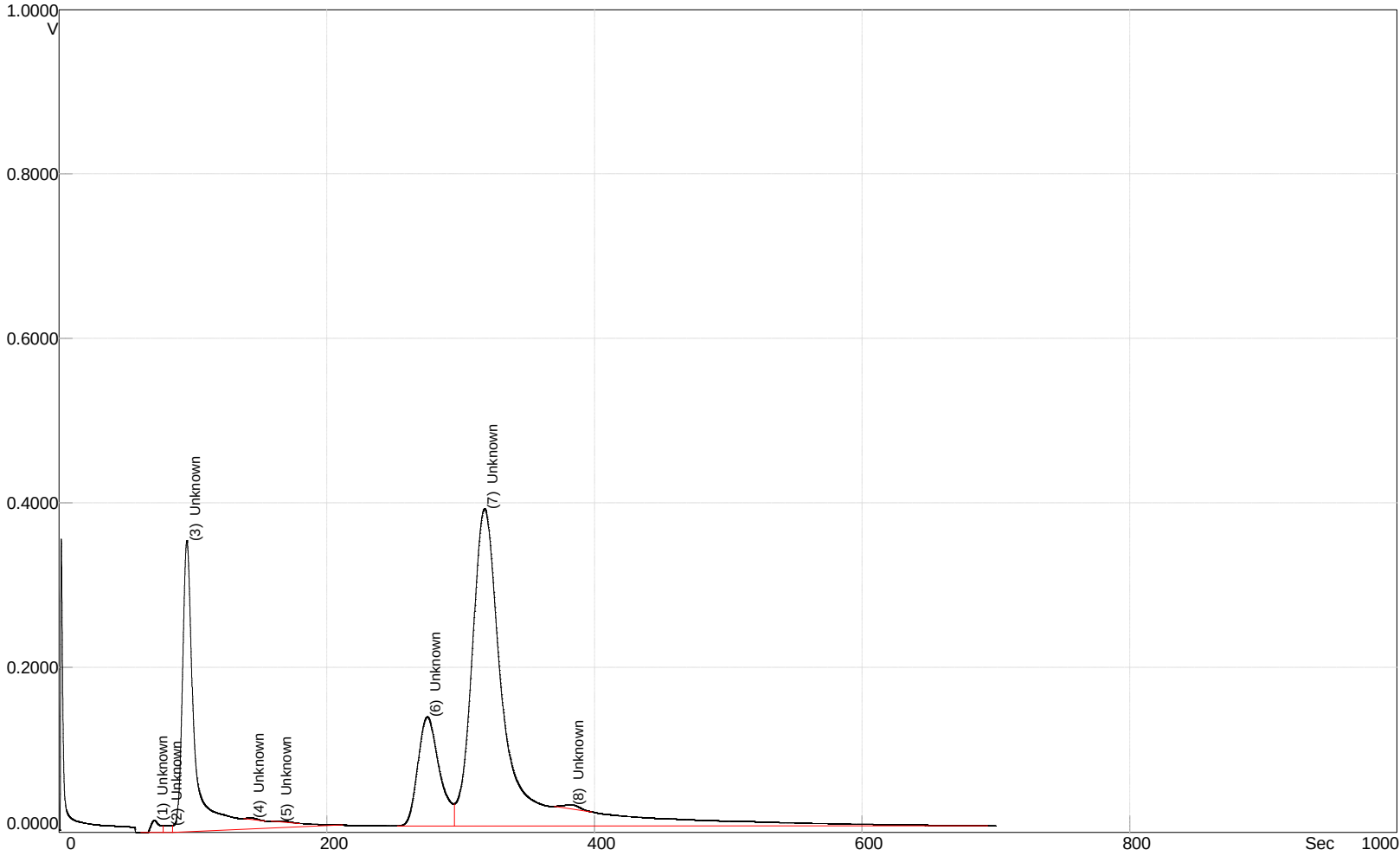
SlopeUp	0.1 mV/S
SlopeDown	0.1 mV/S
Min Height	0.0 mV
Min Area	0.0 mVS
FilterLevel	3
Delay	0 Sec

PEAK REPORT:

#	Name	Conc (PPM)	Area (mVS)	Height (mV)	R.T. (S)	Status
1	Unknown		2932	89.5	95.5	
2	Unknown		11.6	1.008	142.8	
3	Unknown		3.351	0.184	164.4	
4	Unknown		766	40.7	275.2	

5	Unknown	5226	188	317.6
6	Unknown	676	2.761	381.3

SiteChart Analysis Report - E:\MW701CE 21.PID



RESULTS:

Date	May 18, 2011
Time	08:52:48
Instrument	FGGE202
Detector	PID
Column	B
Analysis#	8
Tag	
Column Temp	60.0 C
Det Temp	60.0 C
Ambient Temp	20.0 C

METHOD:

Analysis Time	700.0 S
PumpTime	10.0 S
Back Flush	1050.0 S
Temperature	60.0 C
Pressure	10.0 psi
Inject	Syringe, 300.0 uL
PID State	High Sense

INTEGRATION METHOD:

Manual Integration

SlopeUp	0.1 mV/S
SlopeDown	0.1 mV/S
Min Height	0.0 mV
Min Area	0.0 mVS
FilterLevel	3
Delay	0 Sec

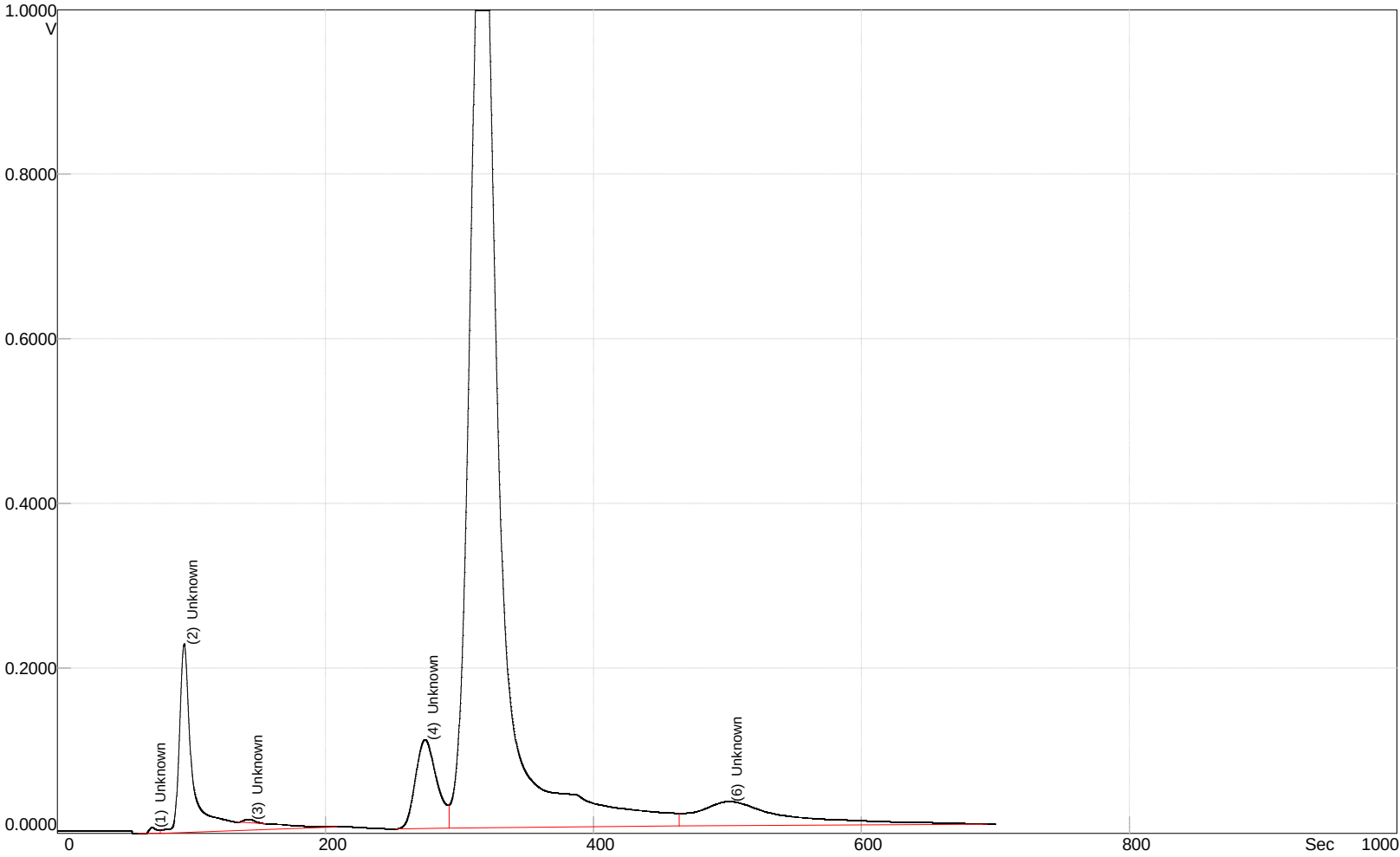
PEAK REPORT:

#	Name	Conc (PPM)	Area (mVS)	Height (mV)	R.T. (S)	Status
1	Unknown		457	41.8	70.8	
2	Unknown		202	0.645	81.3	
3	Unknown		5324	346	95.3	
4	Unknown		14.6	1.038	142.7	

Date: 11/05/20 07:09

5	Unknown	13.7	0.438	163.2
6	Unknown	2483	133	274.9
7	Unknown	11773	358	317.6
8	Unknown	66.0	1.565	382.0

SiteChart Analysis Report - E:\MW701CE 24.PID



RESULTS:

Date	May 18, 2011
Time	10:36:23
Instrument	FGGE202
Detector	PID
Column	B
Analysis#	14
Tag	
Column Temp	60.0 C
Det Temp	60.0 C
Ambient Temp	21.0 C

METHOD:

Analysis Time	700.0 S
PumpTime	10.0 S
Back Flush	1050.0 S
Temperature	60.0 C
Pressure	10.0 psi
Inject	Syringe, 300.0 uL
PID State	High Sense

INTEGRATION METHOD:

Manual Integration

SlopeUp	0.1 mV/S
SlopeDown	0.1 mV/S
Min Height	0.0 mV
Min Area	0.0 mVS
FilterLevel	3
Delay	0 Sec

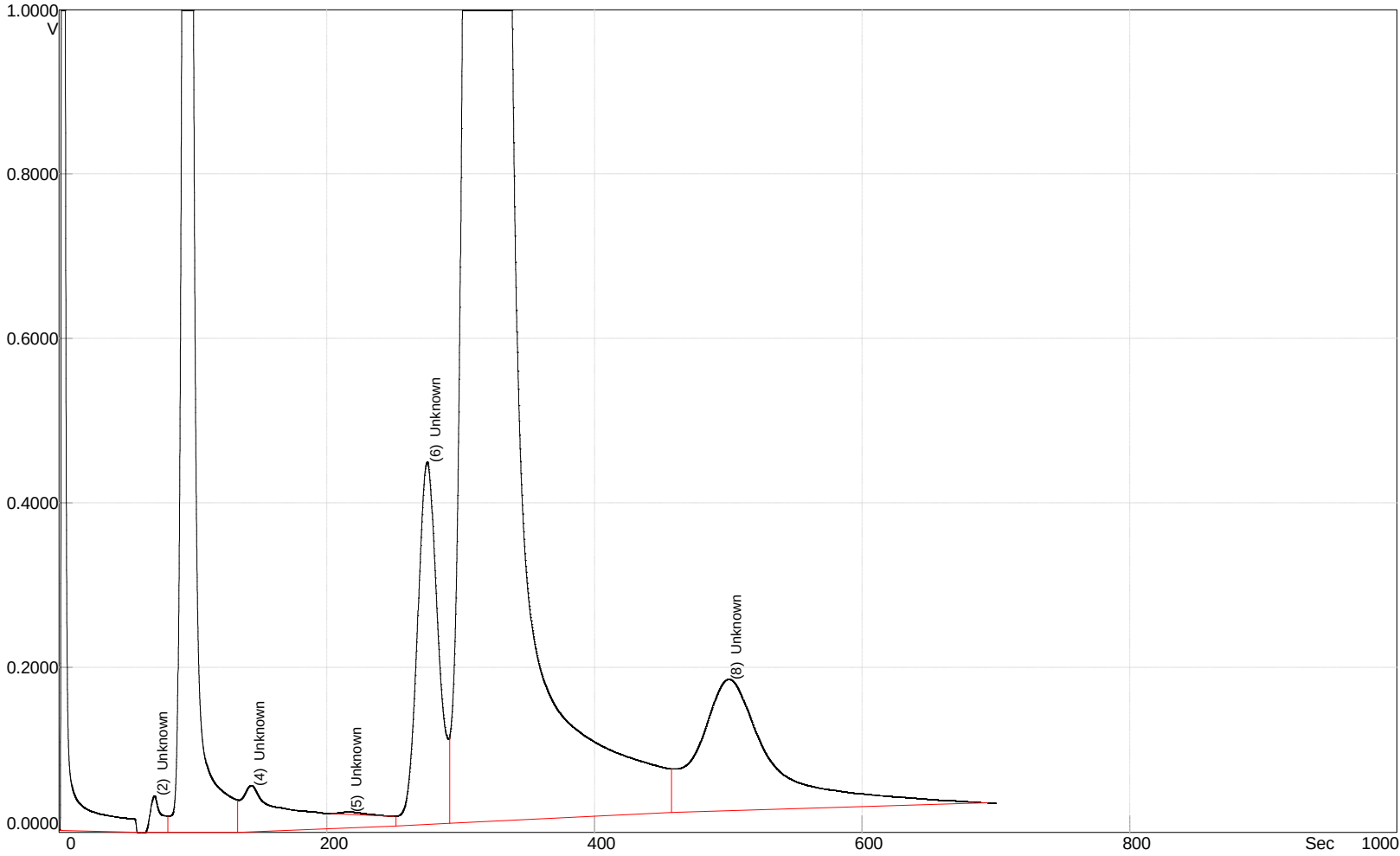
PEAK REPORT:

#	Name	Conc (PPM)	Area (mVS)	Height (mV)	R.T. (S)	Status
1	Unknown		502	43.8	70.4	
2	Unknown		4849	226	94.4	
3	Unknown		40.0	3.460	142.7	
4	Unknown		1991	108	274.1	

Date: 11/05/20 07:11

5	Unknown	30221	1197	316.8
6	Unknown	2272	14.5	500.8

Analysis Report - C:\DOCUMENTS AND SETTINGS\SSORICELLI\DESKTOP\RISDON GC\MW701C



RESULTS:

Date	May 18, 2011
Time	09:26:19
Instrument	FGGE202
Detector	PID
Column	B
Analysis#	10
Tag	
Column Temp	60.0 C
Det Temp	60.0 C
Ambient Temp	20.0 C

METHOD:

Analysis Time	700.0 S
PumpTime	10.0 S
Back Flush	1050.0 S
Temperature	60.0 C
Pressure	10.0 psi
Inject	Syringe, 300.0 uL
PID State	High Sense

INTEGRATION METHOD:

Manual Integration

SlopeUp	0.1 mV/S
SlopeDown	0.1 mV/S
Min Height	0.0 mV
Min Area	0.0 mVS
FilterLevel	3
Delay	0 Sec

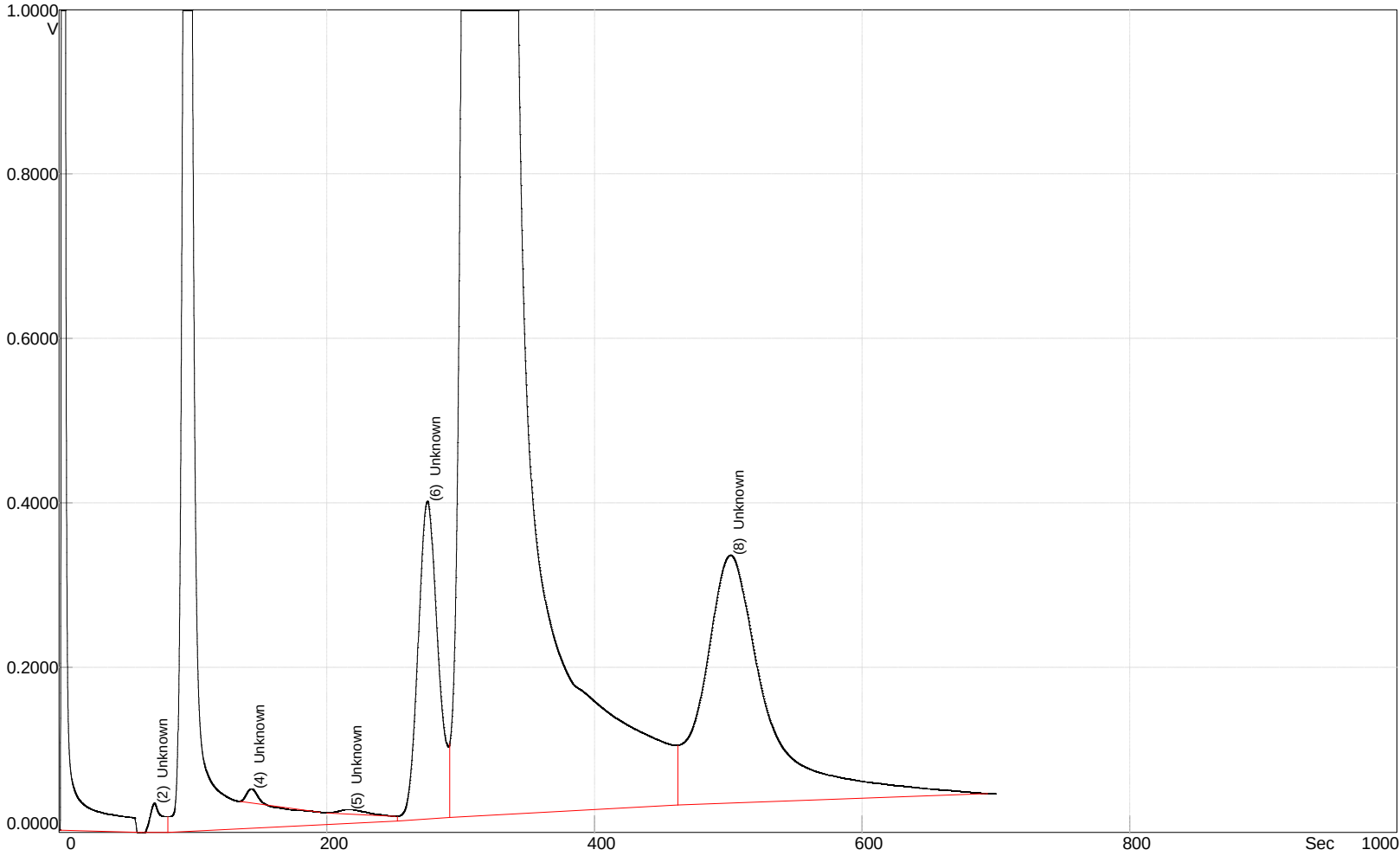
PEAK REPORT:

#	Name	Conc (PPM)	Area (mVS)	Height (mV)	R.T. (S)	Status
1	Unknown		16580	2497	2.8	
2	Unknown		750	65.5	70.9	
3	Unknown		24683	2480	95.9	
4	Unknown		3295	17.7	143.2	

Date: 11/05/19 07:54

5	Unknown	59.9	1.729	215.6
6	Unknown	7847	431	274.9
7	Unknown	227703	2383	318.9
8	Unknown	10199	109	499.6

Analysis Report - C:\DOCUMENTS AND SETTINGS\SSORICELLI\DESKTOP\RISDON GC\MW701C



RESULTS:

Date	May 18, 2011
Time	11:33:17
Instrument	FGGE202
Detector	PID
Column	B
Analysis#	16
Tag	
Column Temp	60.0 C
Det Temp	60.0 C
Ambient Temp	21.0 C

METHOD:

Analysis Time	700.0 S
PumpTime	10.0 S
Back Flush	1050.0 S
Temperature	60.0 C
Pressure	10.0 psi
Inject	Syringe, 300.0 uL
PID State	High Sense

INTEGRATION METHOD:

Manual Integration

SlopeUp	0.1 mV/S
SlopeDown	0.1 mV/S
Min Height	0.0 mV
Min Area	0.0 mVS
FilterLevel	3
Delay	0 Sec

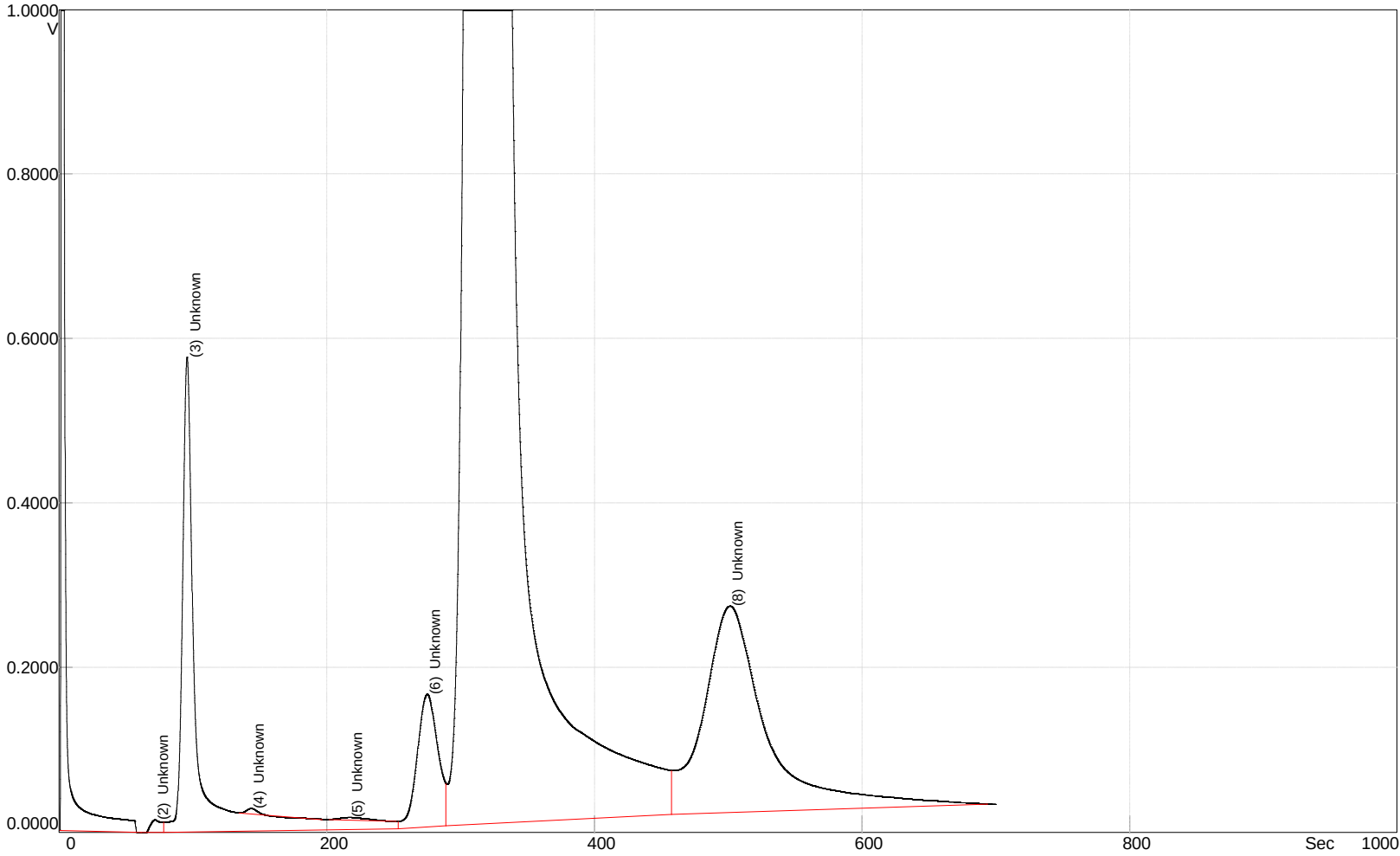
PEAK REPORT:

#	Name	Conc (PPM)	Area (mVS)	Height (mV)	R.T. (S)	Status
1	Unknown		18979	2497	2.9	
2	Unknown		683	55.8	70.9	
3	Unknown		20654	2001	95.7	
4	Unknown		122	15.3	143.2	

Date: 11/05/19 07:55

5	Unknown	126	4.183	215.8
6	Unknown	6661	383	274.9
7	Unknown	328961	2392	320.3
8	Unknown	16458	231	501.6

Analysis Report - C:\DOCUMENTS AND SETTINGS\SSORICELLI\DESKTOP\RISDON GC\MW701C



RESULTS:

Date	May 18, 2011
Time	13:01:26
Instrument	FGGE202
Detector	PID
Column	B
Analysis#	20
Tag	
Column Temp	60.0 C
Det Temp	60.0 C
Ambient Temp	22.0 C

METHOD:

Analysis Time	700.0 S
PumpTime	10.0 S
Back Flush	1050.0 S
Temperature	60.0 C
Pressure	10.0 psi
Inject	Syringe, 300.0 uL
PID State	High Sense

INTEGRATION METHOD:

Manual Integration

SlopeUp	0.1 mV/S
SlopeDown	0.1 mV/S
Min Height	0.0 mV
Min Area	0.0 mVS
FilterLevel	3
Delay	0 Sec

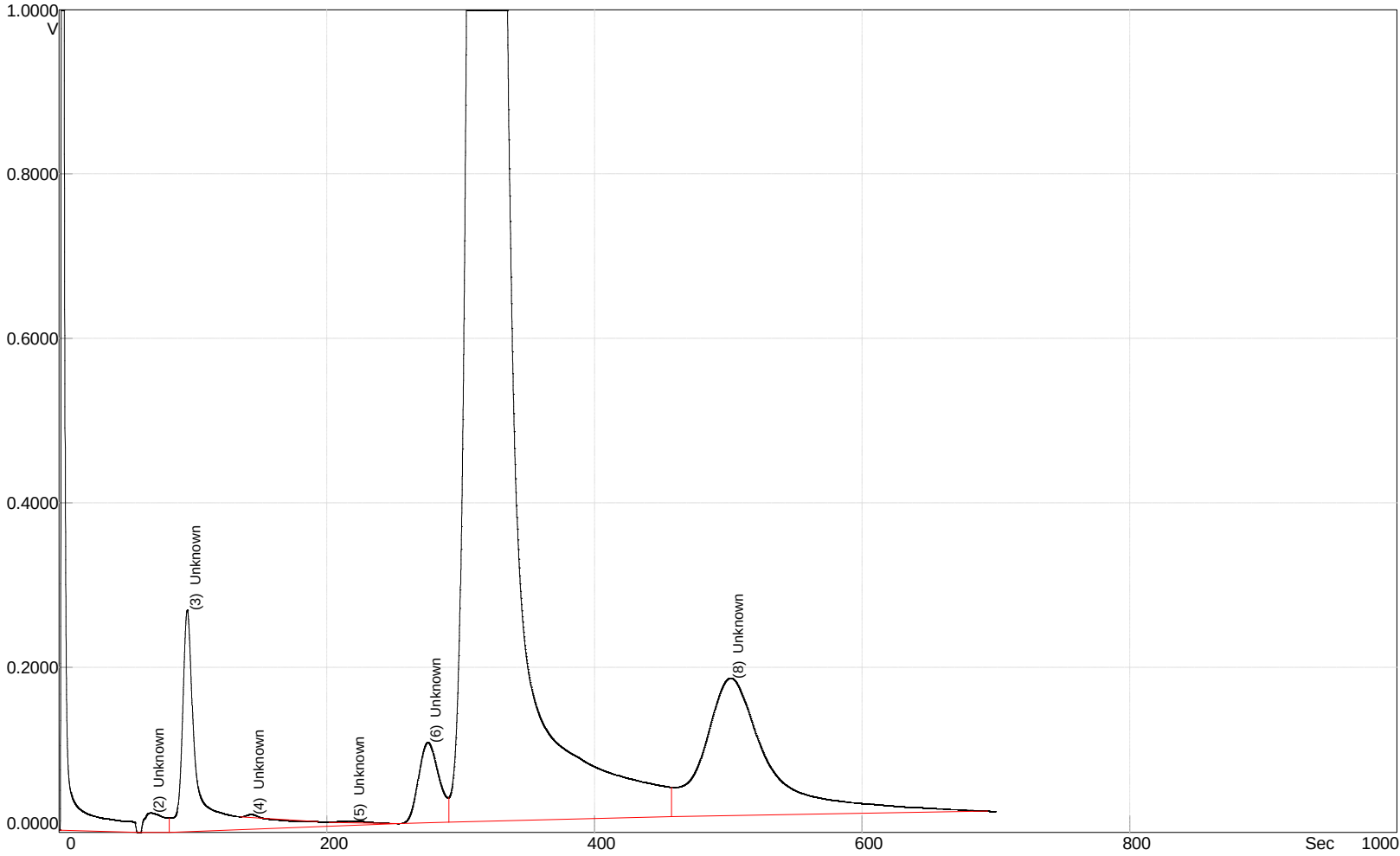
PEAK REPORT:

#	Name	Conc (PPM)	Area (mVS)	Height (mV)	R.T. (S)	Status
1	Unknown		11016	2497	2.3	
2	Unknown		510	41.6	71.2	
3	Unknown		9453	565	95.6	
4	Unknown		36.2	5.458	142.8	

Date: 11/05/19 07:56

5	Unknown	77.5	2.614	216.4
6	Unknown	2901	154	274.7
7	Unknown	208535	2439	319.2
8	Unknown	13856	200	500.8

Analysis Report - C:\DOCUMENTS AND SETTINGS\SSORICELLI\DESKTOP\RISDON GC\MW701C



RESULTS:

Date	May 18, 2011
Time	10:02:51
Instrument	FGGE202
Detector	PID
Column	B
Analysis#	12
Tag	
Column Temp	60.0 C
Det Temp	60.0 C
Ambient Temp	21.0 C

METHOD:

Analysis Time	700.0 S
PumpTime	10.0 S
Back Flush	1050.0 S
Temperature	60.0 C
Pressure	10.0 psi
Inject	Syringe, 300.0 uL
PID State	High Sense

INTEGRATION METHOD:

Manual Integration

SlopeUp	0.1 mV/S
SlopeDown	0.1 mV/S
Min Height	0.0 mV
Min Area	0.0 mVS
FilterLevel	3
Delay	0 Sec

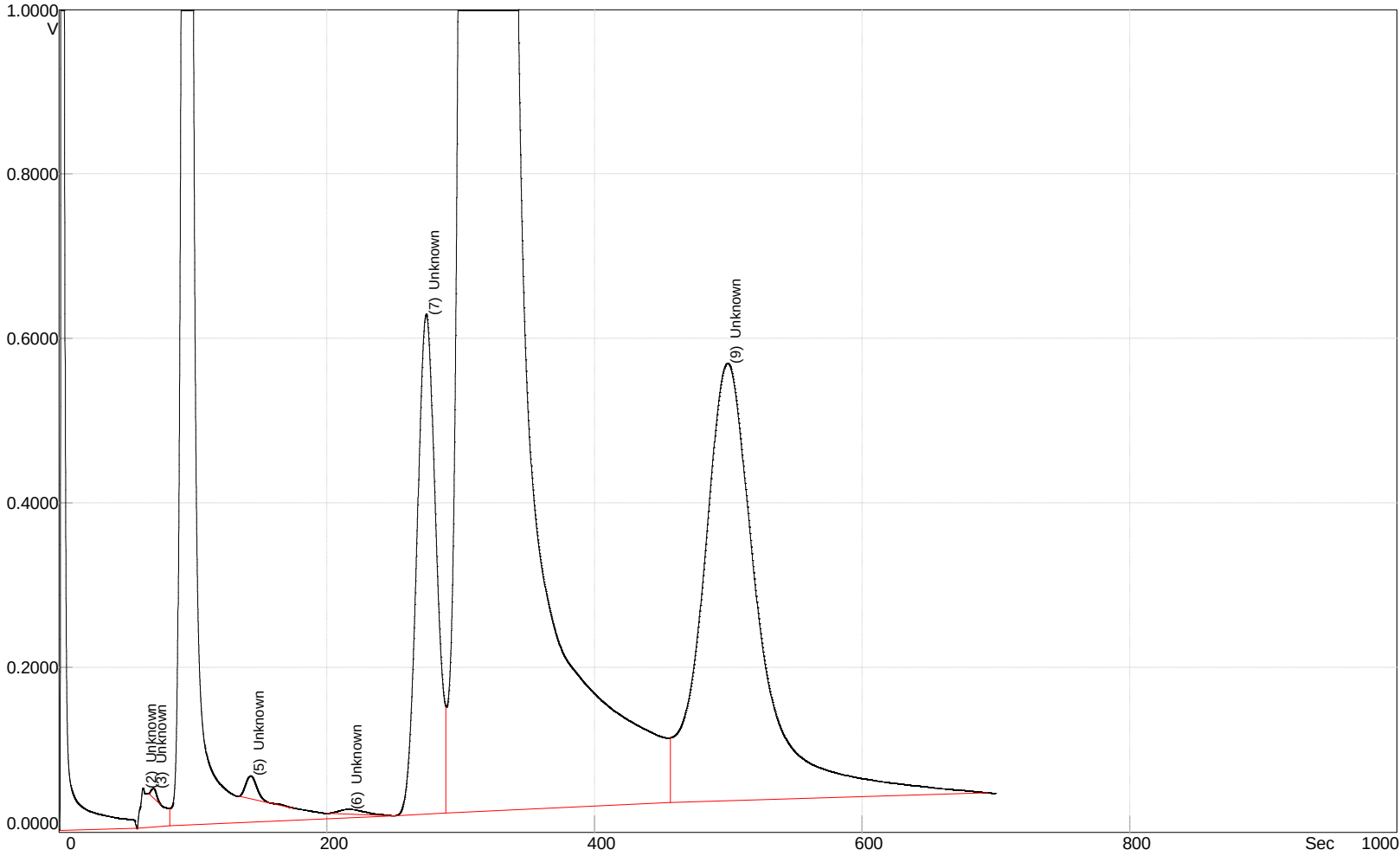
PEAK REPORT:

#	Name	Conc (PPM)	Area (mVS)	Height (mV)	R.T. (S)	Status
1	Unknown		9231	2497	2.3	
2	Unknown		451	27.2	68.1	
3	Unknown		4050	253	95.6	
4	Unknown		7.175	2.666	142.7	

Date: 11/05/19 07:58

5	Unknown	49.1	1.537	218.0
6	Unknown	1731	98.7	275.2
7	Unknown	138916	2457	318.9
8	Unknown	9412	133	501.2

Analysis Report - C:\DOCUMENTS AND SETTINGS\SSORICELLI\DESKTOP\RISDON GC\MW701C



RESULTS:

Date	May 18, 2011
Time	13:29:02
Instrument	FGGE202
Detector	PID
Column	B
Analysis#	22
Tag	
Column Temp	59.0 C
Det Temp	59.0 C
Ambient Temp	22.0 C

METHOD:

Analysis Time	700.0 S
PumpTime	10.0 S
Back Flush	1050.0 S
Temperature	60.0 C
Pressure	10.0 psi
Inject	Syringe, 300.0 uL
PID State	High Sense

INTEGRATION METHOD:

Manual Integration

SlopeUp	0.1 mV/S
SlopeDown	0.1 mV/S
Min Height	0.0 mV
Min Area	0.0 mVS
FilterLevel	3
Delay	0 Sec

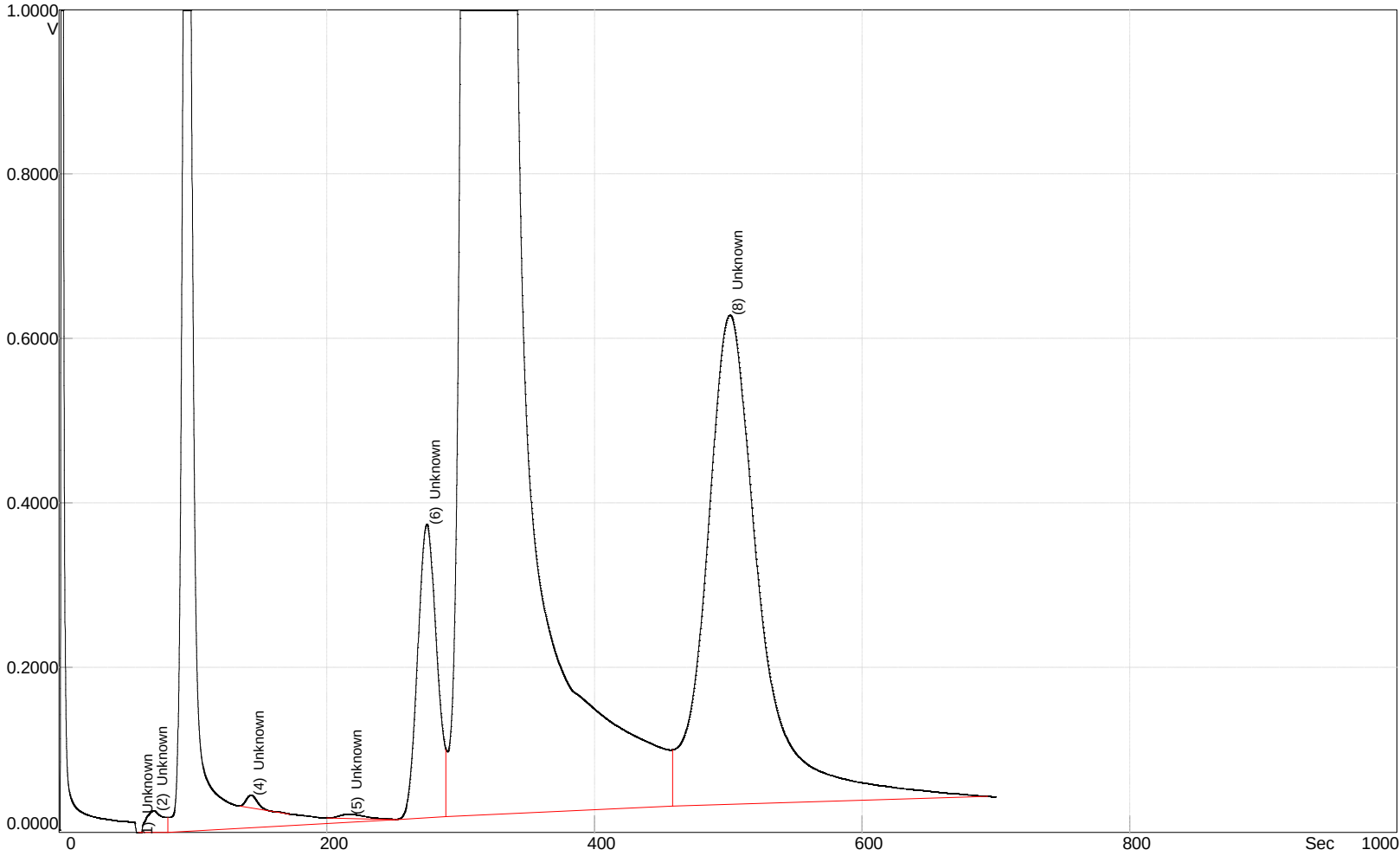
PEAK REPORT:

#	Name	Conc (PPM)	Area (mVS)	Height (mV)	R.T. (S)	Status
1	Unknown		13857	2497	2.3	
2	Unknown		746	48.7	62.6	
3	Unknown		54.1	6.113	70.0	
4	Unknown		29196	2471	95.5	

Date: 11/05/19 08:00

5	Unknown	274	24.7	142.8
6	Unknown	133	4.894	215.8
7	Unknown	10021	609	274.1
8	Unknown	349053	2340	318.9
9	Unknown	26198	455	499.2

Analysis Report - C:\DOCUMENTS AND SETTINGS\SSORICELLI\DESKTOP\RISDON GC\MW701C



RESULTS:

Date	May 18, 2011
Time	14:02:35
Instrument	FGGE202
Detector	PID
Column	B
Analysis#	24
Tag	
Column Temp	60.0 C
Det Temp	60.0 C
Ambient Temp	22.0 C

METHOD:

Analysis Time	700.0 S
PumpTime	10.0 S
Back Flush	1050.0 S
Temperature	60.0 C
Pressure	10.0 psi
Inject	Syringe, 300.0 uL
PID State	High Sense

INTEGRATION METHOD:

Manual Integration

SlopeUp	0.1 mV/S
SlopeDown	0.1 mV/S
Min Height	0.0 mV
Min Area	0.0 mVS
FilterLevel	3
Delay	0 Sec

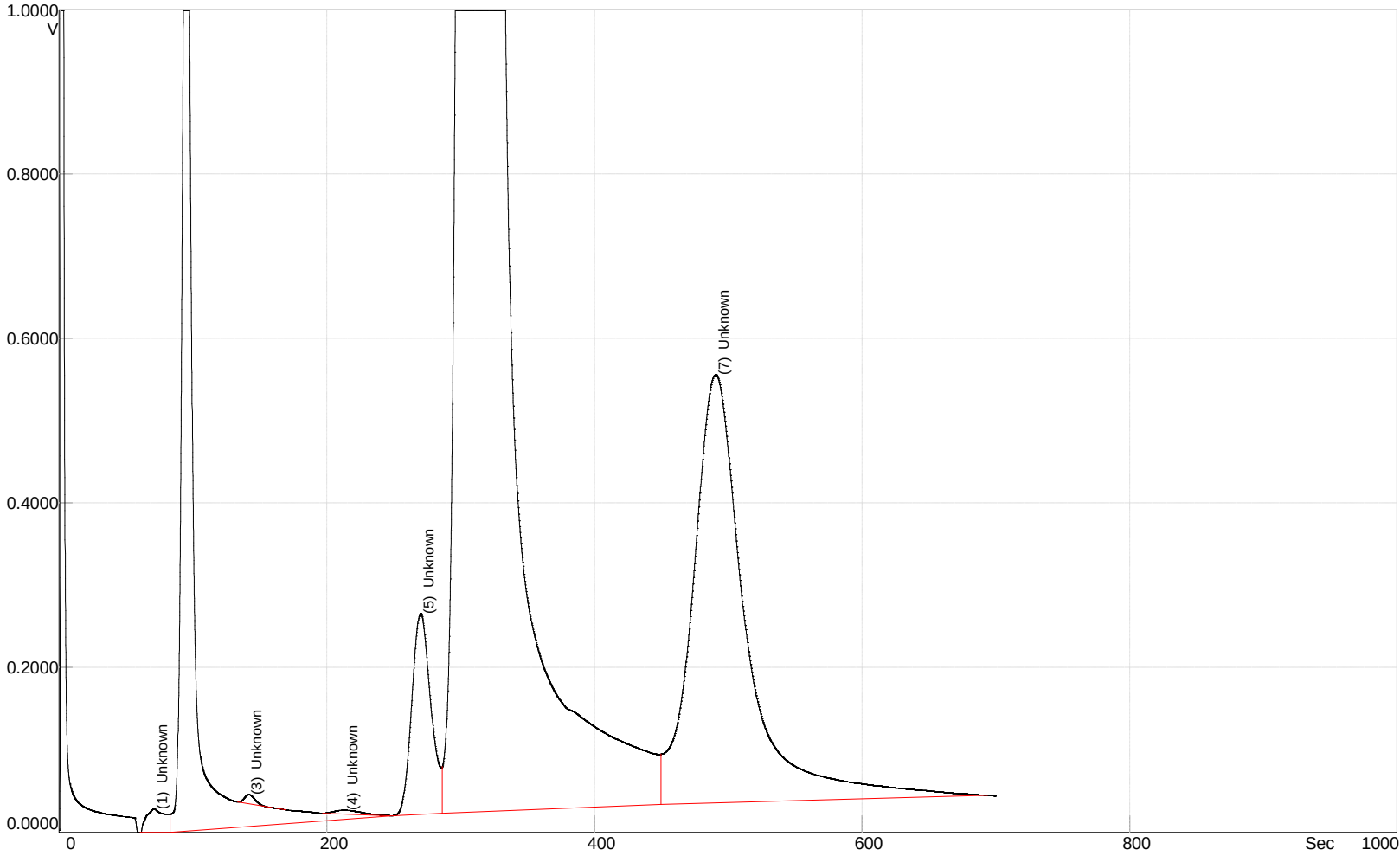
PEAK REPORT:

#	Name	Conc (PPM)	Area (mVS)	Height (mV)	R.T. (S)	Status
1	Unknown		0.364	0.747	59.7	
2	Unknown		504	34.5	70.5	
3	Unknown		16179	1675	95.5	
4	Unknown		147	13.2	142.8	

Date: 11/05/19 08:00

5	Unknown	117	4.576	215.8
6	Unknown	5893	358	274.7
7	Unknown	294917	2399	319.7
8	Unknown	27910	528	500.8

SiteChart Analysis Report - E:\MW701CE 34.PID



RESULTS:

Date	May 19, 2011
Time	14:41:42
Instrument	FGGE202
Detector	PID
Column	B
Analysis#	6
Tag	
Column Temp	59.0 C
Det Temp	59.0 C
Ambient Temp	23.0 C

METHOD:

Analysis Time	700.0 S
PumpTime	10.0 S
Back Flush	700.0 S
Temperature	60.0 C
Pressure	10.0 psi
Inject	Syringe, 300.0 uL
PID State	High Sense

INTEGRATION METHOD:

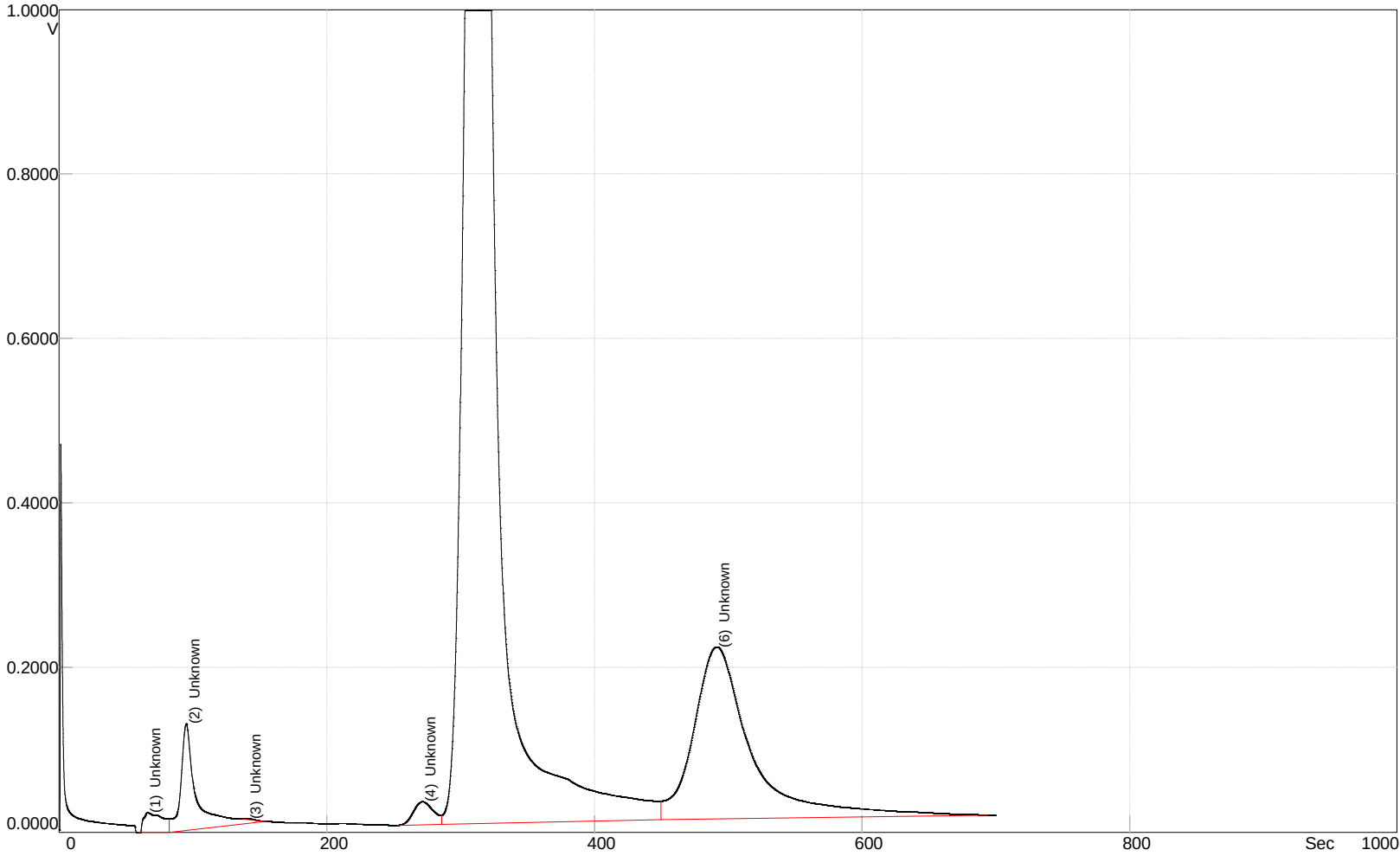
Manual Integration	
SlopeUp	0.1 mV/S
SlopeDown	0.1 mV/S
Min Height	0.0 mV
Min Area	0.0 mVS
FilterLevel	3
Delay	0 Sec

PEAK REPORT:

#	Name	Conc (PPM)	Area (mVS)	Height (mV)	R.T. (S)	Status
1	Unknown		544	34.0	70.7	
2	Unknown		13696	1402	94.9	
3	Unknown		101	8.940	141.3	
4	Unknown		111	3.848	213.0	

5	Unknown	4071	246	269.9
6	Unknown	243880	2419	313.6
7	Unknown	24207	461	490.4

SiteChart Analysis Report - E:\MW701CE 37.PID



RESULTS:

Date	May 19, 2011
Time	15:19:10
Instrument	FGGE202
Detector	PID
Column	B
Analysis#	8
Tag	
Column Temp	59.0 C
Det Temp	59.0 C
Ambient Temp	24.0 C

METHOD:

Analysis Time	700.0 S
PumpTime	10.0 S
Back Flush	700.0 S
Temperature	60.0 C
Pressure	10.0 psi
Inject	Syringe, 300.0 uL
PID State	High Sense

INTEGRATION METHOD:

Manual Integration

SlopeUp	0.1 mV/S
SlopeDown	0.1 mV/S
Min Height	0.0 mV
Min Area	0.0 mVS
FilterLevel	3
Delay	0 Sec

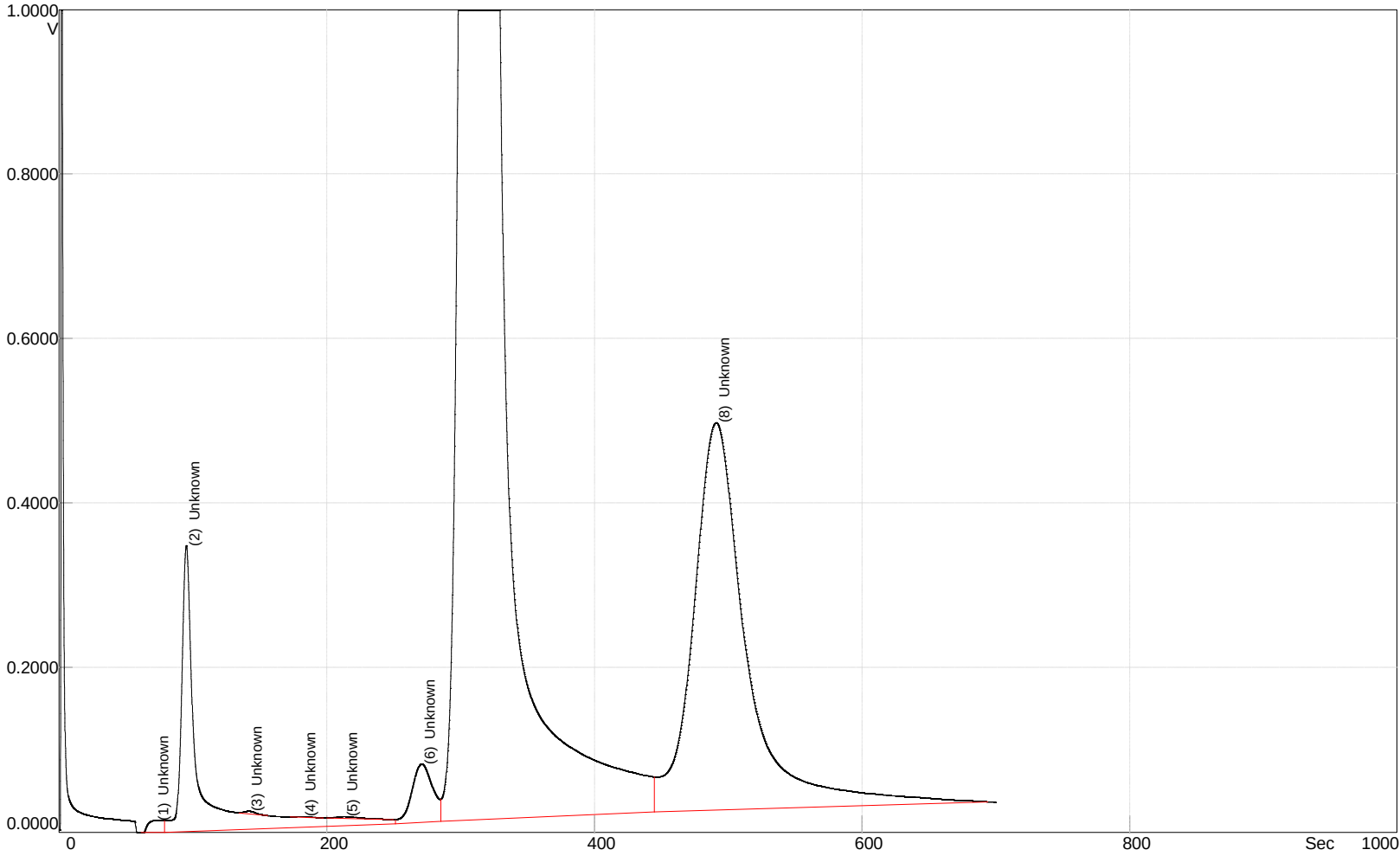
PEAK REPORT:

#	Name	Conc (PPM)	Area (mVS)	Height (mV)	R.T. (S)	Status
1	Unknown		510	33.0	65.6	
2	Unknown		1841	116	94.9	
3	Unknown		6.709	0.335	140.7	
4	Unknown		486	28.7	271.2	

Date: 11/05/20 07:14

5	Unknown	50762	2252	312.5
6	Unknown	10486	188	490.8

SiteChart Analysis Report - E:\MW701CE 39.PID



RESULTS:

Date	May 19, 2011
Time	15:58:04
Instrument	FGGE202
Detector	PID
Column	B
Analysis#	10
Tag	
Column Temp	60.0 C
Det Temp	60.0 C
Ambient Temp	24.0 C

METHOD:

Analysis Time	700.0 S
PumpTime	10.0 S
Back Flush	700.0 S
Temperature	60.0 C
Pressure	10.0 psi
Inject	Syringe, 300.0 uL
PID State	High Sense

INTEGRATION METHOD:

Manual Integration

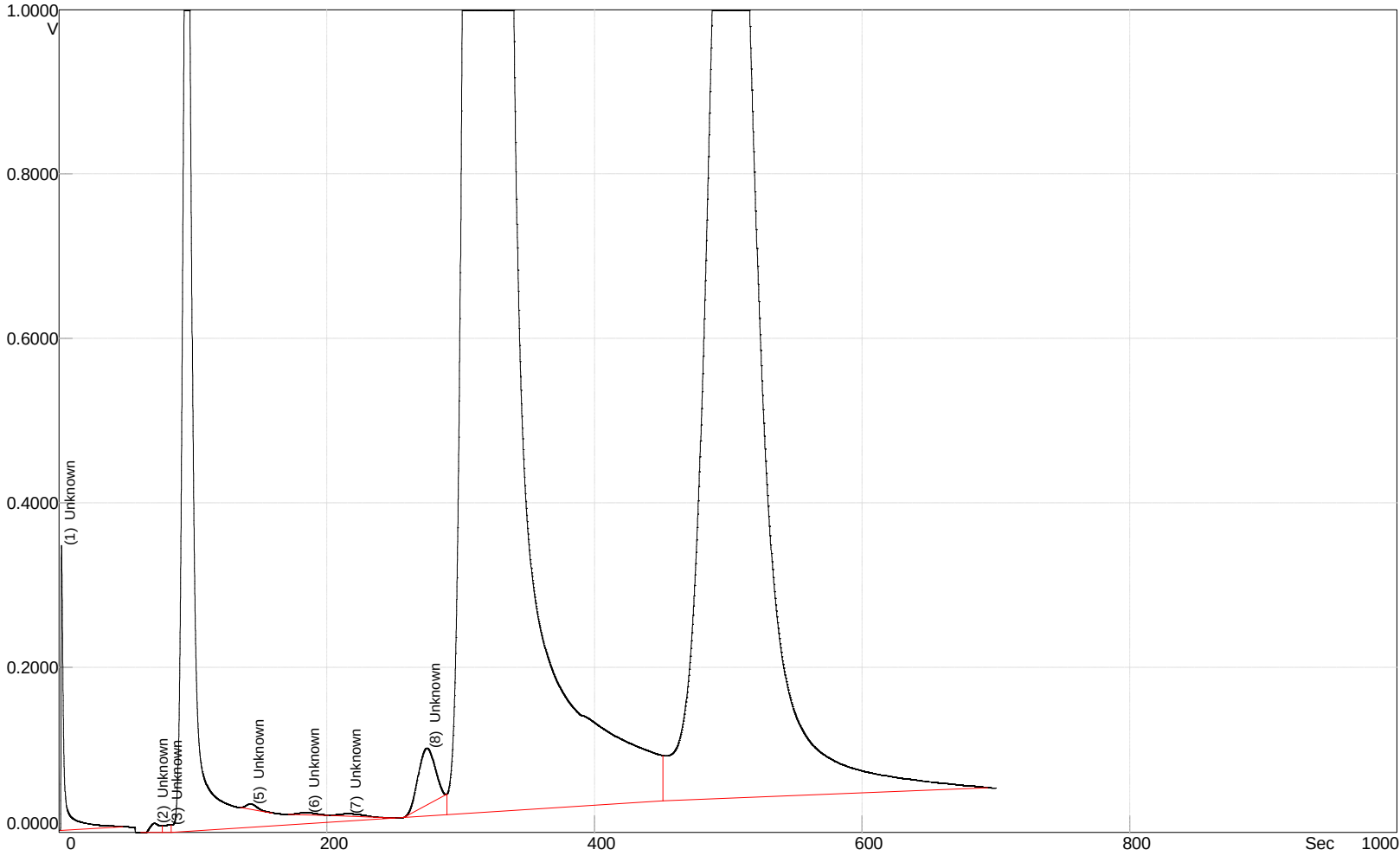
SlopeUp	0.1 mV/S
SlopeDown	0.1 mV/S
Min Height	0.0 mV
Min Area	0.0 mVS
FilterLevel	3
Delay	0 Sec

PEAK REPORT:

#	Name	Conc (PPM)	Area (mVS)	Height (mV)	R.T. (S)	Status
1	Unknown		438	32.1	71.7	
2	Unknown		6398	363	94.9	
3	Unknown		30.3	2.070	141.5	
4	Unknown		11.7	0.486	181.6	

5	Unknown	44.8	1.538	212.8
6	Unknown	1302	67.8	270.7
7	Unknown	150077	2459	313.1
8	Unknown	21773	430	490.8

Analysis Report - C:\DOCUMENTS AND SETTINGS\SSORICELLI\DESKTOP\RISDON GC\MW701C



RESULTS:

Date	May 18, 2011
Time	15:20:37
Instrument	FGGE202
Detector	PID
Column	B
Analysis#	26
Tag	
Column Temp	60.0 C
Det Temp	60.0 C
Ambient Temp	21.0 C

METHOD:

Analysis Time	700.0 S
PumpTime	10.0 S
Back Flush	1050.0 S
Temperature	60.0 C
Pressure	10.0 psi
Inject	Syringe, 300.0 uL
PID State	High Sense

INTEGRATION METHOD:

Manual Integration

SlopeUp	0.1 mV/S
SlopeDown	0.1 mV/S
Min Height	0.0 mV
Min Area	0.0 mVS
FilterLevel	3
Delay	0 Sec

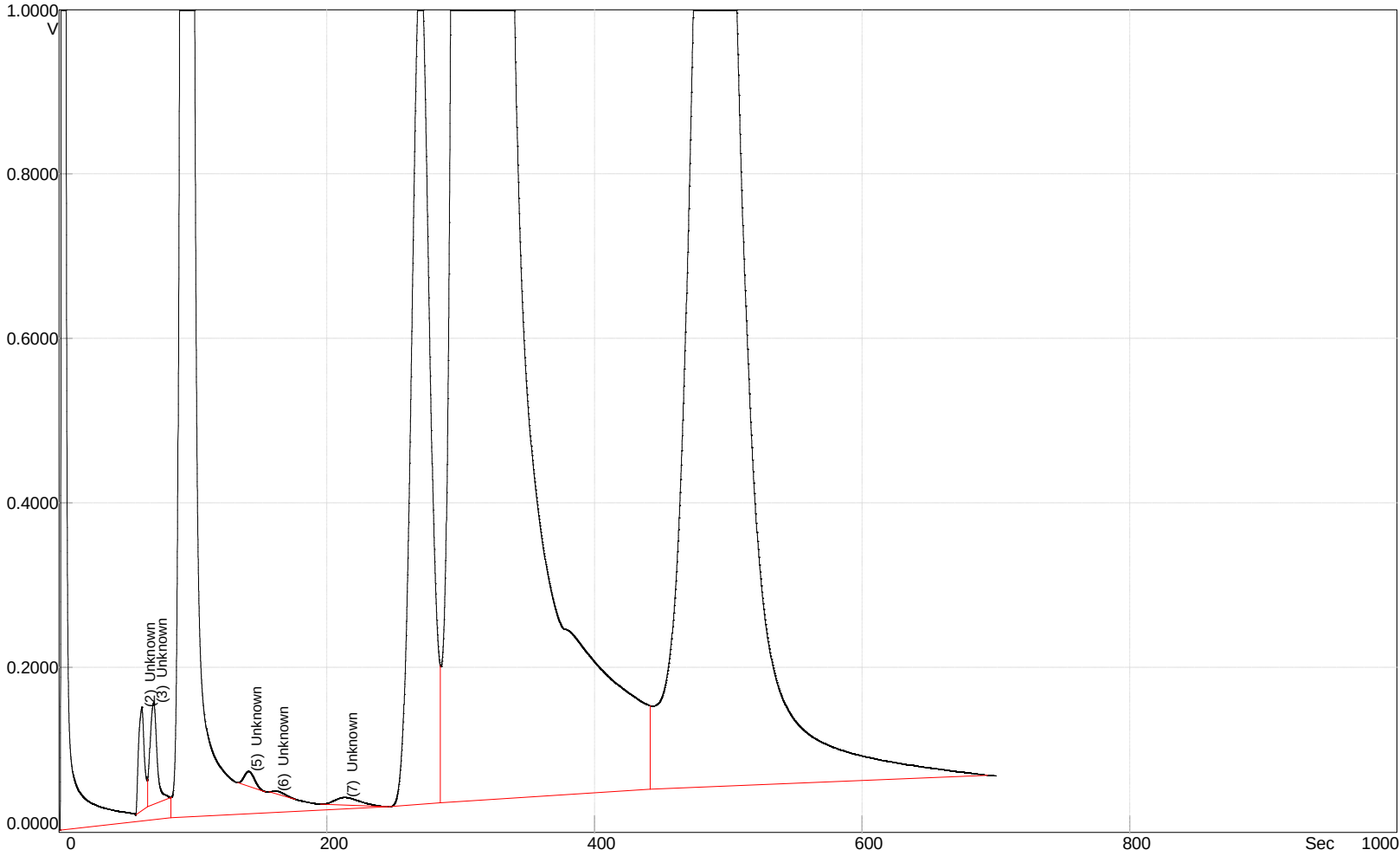
PEAK REPORT:

#	Name	Conc (PPM)	Area (mVS)	Height (mV)	R.T. (S)	Status
1	Unknown		858	349	1.8	
2	Unknown		363	32.7	71.1	
3	Unknown		164	0.833	81.7	
4	Unknown		14572	1322	95.5	

Date: 11/05/19 08:02

5	Unknown	58.6	4.149	142.8
6	Unknown	40.5	2.022	184.2
7	Unknown	60.2	2.072	215.4
8	Unknown	996	85.1	274.7
9	Unknown	241893	2453	319.2
10	Unknown	62204	1458	500.8

SiteChart Analysis Report - E:\MW701CE WATER 59.PID



RESULTS:

Date	May 19, 2011
Time	13:00:40
Instrument	FGGE202
Detector	PID
Column	B
Analysis#	4
Tag	
Column Temp	60.0 C
Det Temp	60.0 C
Ambient Temp	22.0 C

METHOD:

Analysis Time	700.0 S
PumpTime	10.0 S
Back Flush	700.0 S
Temperature	60.0 C
Pressure	10.0 psi
Inject	Syringe, 300.0 uL
PID State	High Sense

INTEGRATION METHOD:

Manual Integration

SlopeUp	0.1 mV/S
SlopeDown	0.1 mV/S
Min Height	0.0 mV
Min Area	0.0 mVS
FilterLevel	3
Delay	0 Sec

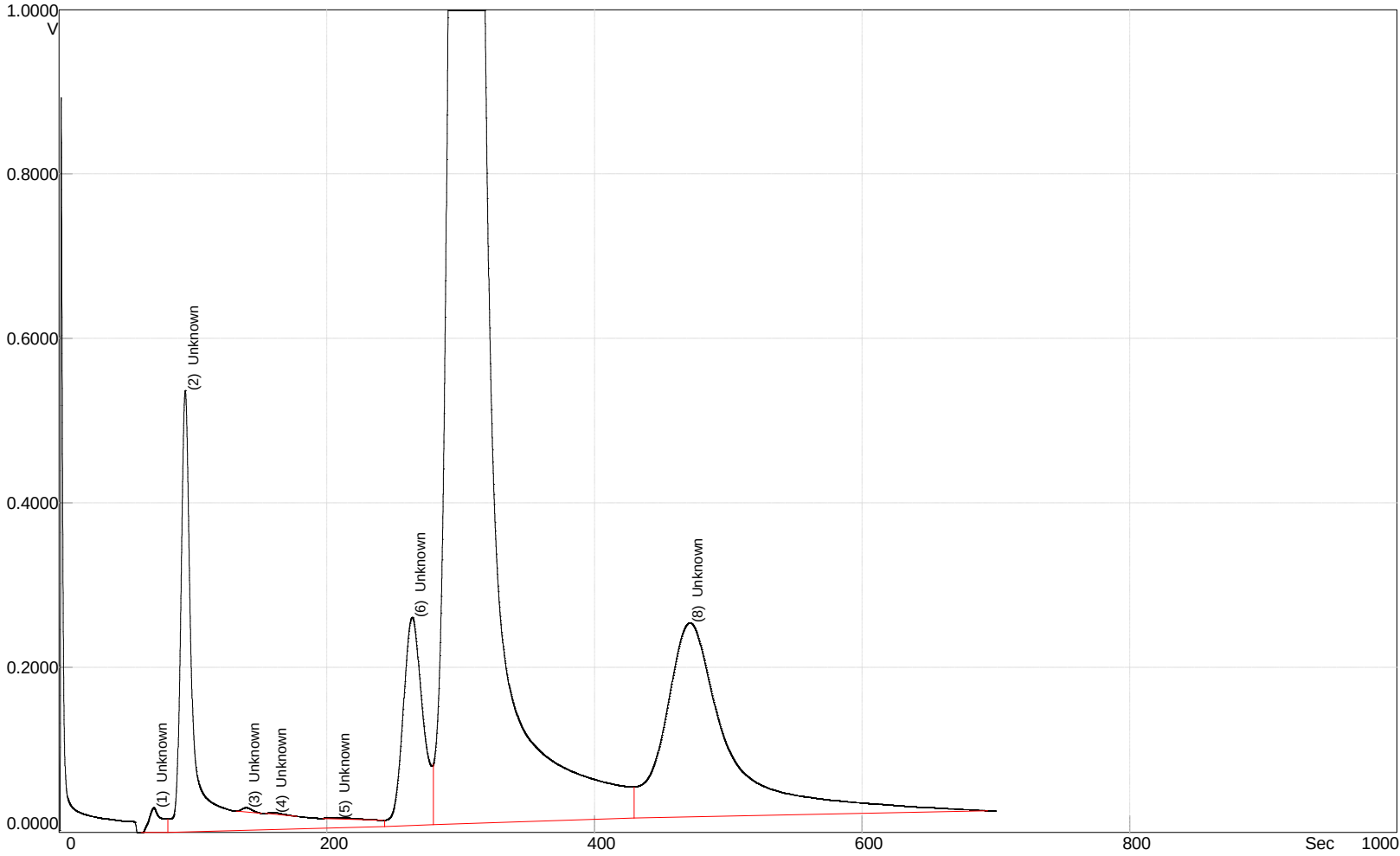
PEAK REPORT:

#	Name	Conc (PPM)	Area (mVS)	Height (mV)	R.T. (S)	Status
1	Unknown		24257	2497	3.0	
2	Unknown		645	130	61.7	
3	Unknown		749	91.2	70.4	
4	Unknown		48141	2457	95.3	

Date: 11/05/20 07:18

5	Unknown	160	13.7	141.2
6	Unknown	36.6	0.942	161.4
7	Unknown	205	8.059	212.8
8	Unknown	15985	1030	269.9
9	Unknown	421360	2291	314.4
10	Unknown	73849	1697	489.2

nalysis Report - C:\DOCUMENTS AND SETTINGS\SSORICELLI\DESKTOP\RAW GC FILES\MW70



RESULTS:

Date	May 23, 2011	
Time	12:27:01	
Instrument	FGGE202	
Detector	PID	
Column	B	
Analysis#	4	
Tag		
Column Temp	59.0	C
Det Temp	59.0	C
Ambient Temp	21.0	C

METHOD:

Analysis Time	700.0	S
PumpTime	10.0	S
Back Flush	700.0	S
Temperature	60.0	C
Pressure	10.0	psi
Inject	Syringe, 300.0	uL
PID State	High Sense	

INTEGRATION METHOD:

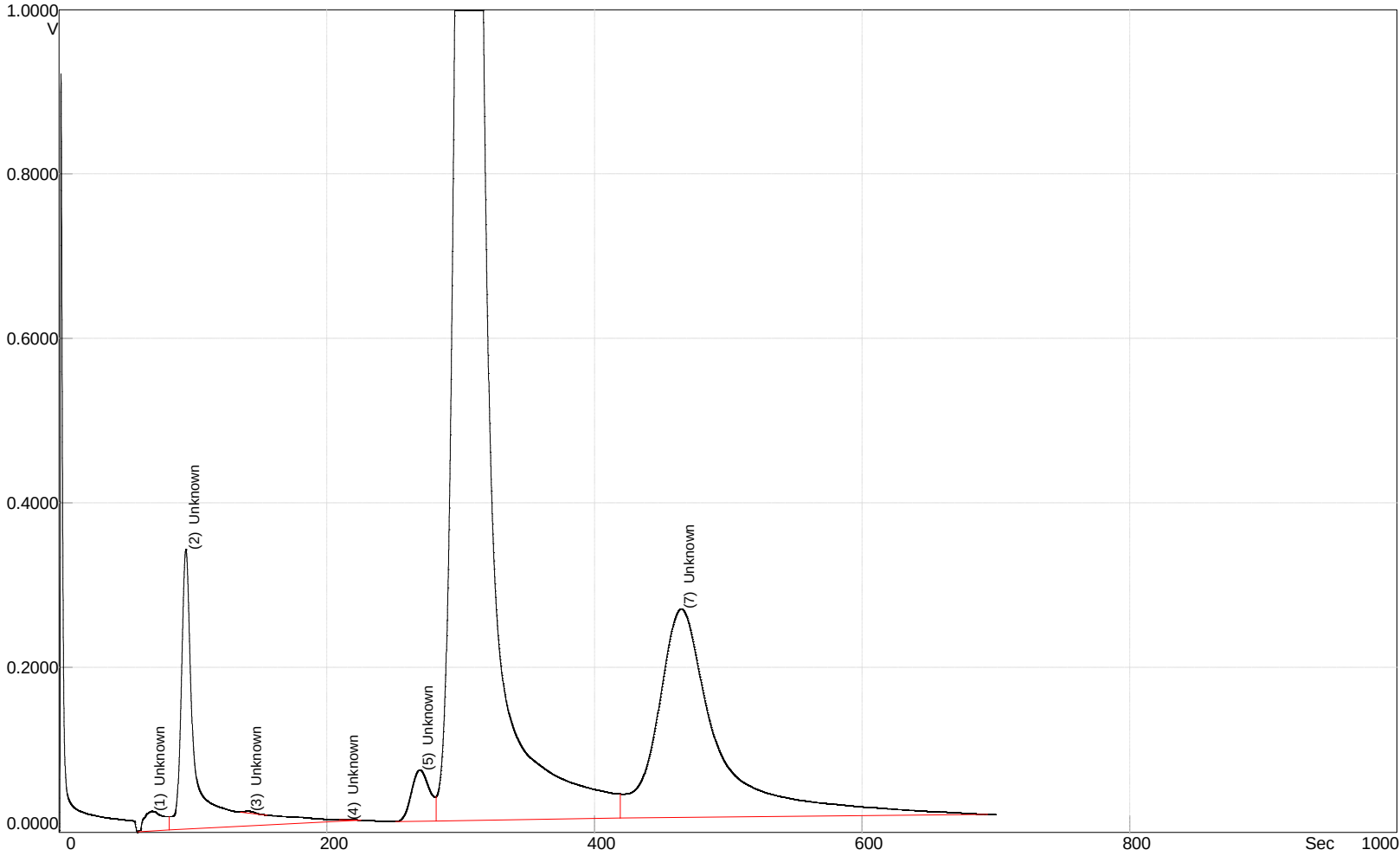
Manual Integration		
SlopeUp	0.1	mV/S
SlopeDown	0.1	mV/S
Min Height	0.0	mV
Min Area	0.0	mVS
FilterLevel	3	
Delay	0 Sec	

PEAK REPORT:

#	Name	Conc (PPM)	Area (mVS)	Height (mV)	R.T. (S)	Status
1	Unknown		512	41.5	70.4	
2	Unknown		7613	521	94.1	
3	Unknown		43.3	4.018	139.6	
4	Unknown		20.1	0.843	159.8	

5	Unknown	32.5	0.982	207.0
6	Unknown	4297	247	263.7
7	Unknown	114840	2417	303.7
8	Unknown	13087	199	470.8

nalysis Report - C:\DOCUMENTS AND SETTINGS\SSORICELLI\DESKTOP\RAW GC FILES\MW701



RESULTS:

Date	May 24, 2011	
Time	08:05:46	
Instrument	FGGE202	
Detector	PID	
Column	B	
Analysis#	4	
Tag		
Column Temp	59.0	C
Det Temp	59.0	C
Ambient Temp	22.0	C

METHOD:

Analysis Time	700.0	S
PumpTime	10.0	S
Back Flush	700.0	S
Temperature	60.0	C
Pressure	10.0	psi
Inject	Syringe, 300.0	uL
PID State	High Sense	

INTEGRATION METHOD:

Manual Integration		
SlopeUp	0.1	mV/S
SlopeDown	0.1	mV/S
Min Height	0.0	mV
Min Area	0.0	mVS
FilterLevel	3	
Delay	0 Sec	

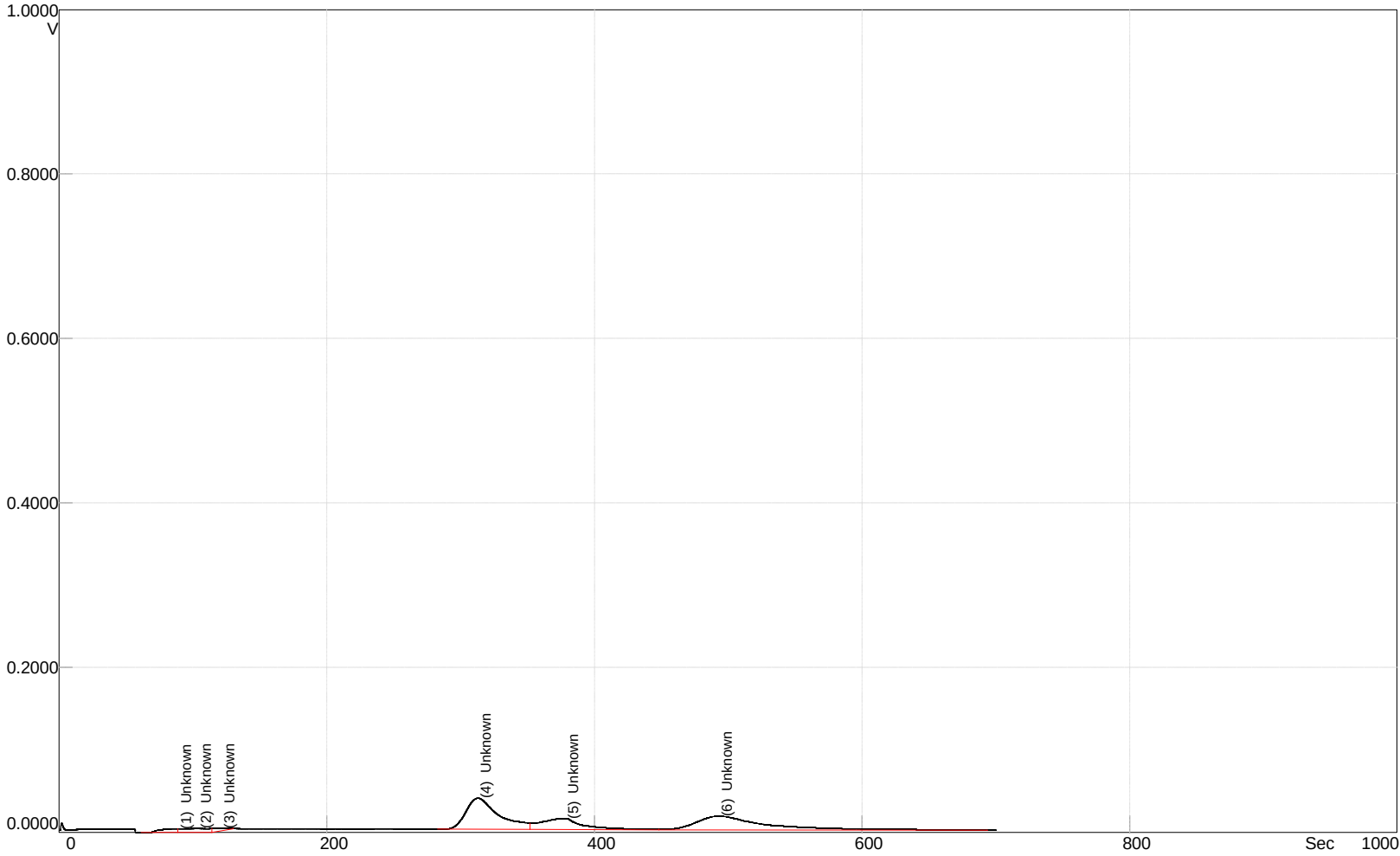
PEAK REPORT:

#	Name	Conc (PPM)	Area (mVS)	Height (mV)	R.T. (S)	Status
1	Unknown		402	25.3	68.8	
2	Unknown		4358	325	94.7	
3	Unknown		19.1	1.147	141.1	
4	Unknown		3.088	0.169	213.4	

5	Unknown	987	62.9	269.3
6	Unknown	62532	2486	305.9
7	Unknown	13255	225	464.4

MW-702

SiteChart Analysis Report - E:\MW702 04.PID



RESULTS:

Date	May 20, 2011
Time	08:04:09
Instrument	FGGE202
Detector	PID
Column	B
Analysis#	4
Tag	
Column Temp	60.0 C
Det Temp	60.0 C
Ambient Temp	22.0 C

METHOD:

Analysis Time	700.0 S
PumpTime	10.0 S
Back Flush	700.0 S
Temperature	60.0 C
Pressure	10.0 psi
Inject	Syringe, 300.0 uL
PID State	High Sense

INTEGRATION METHOD:

Manual Integration

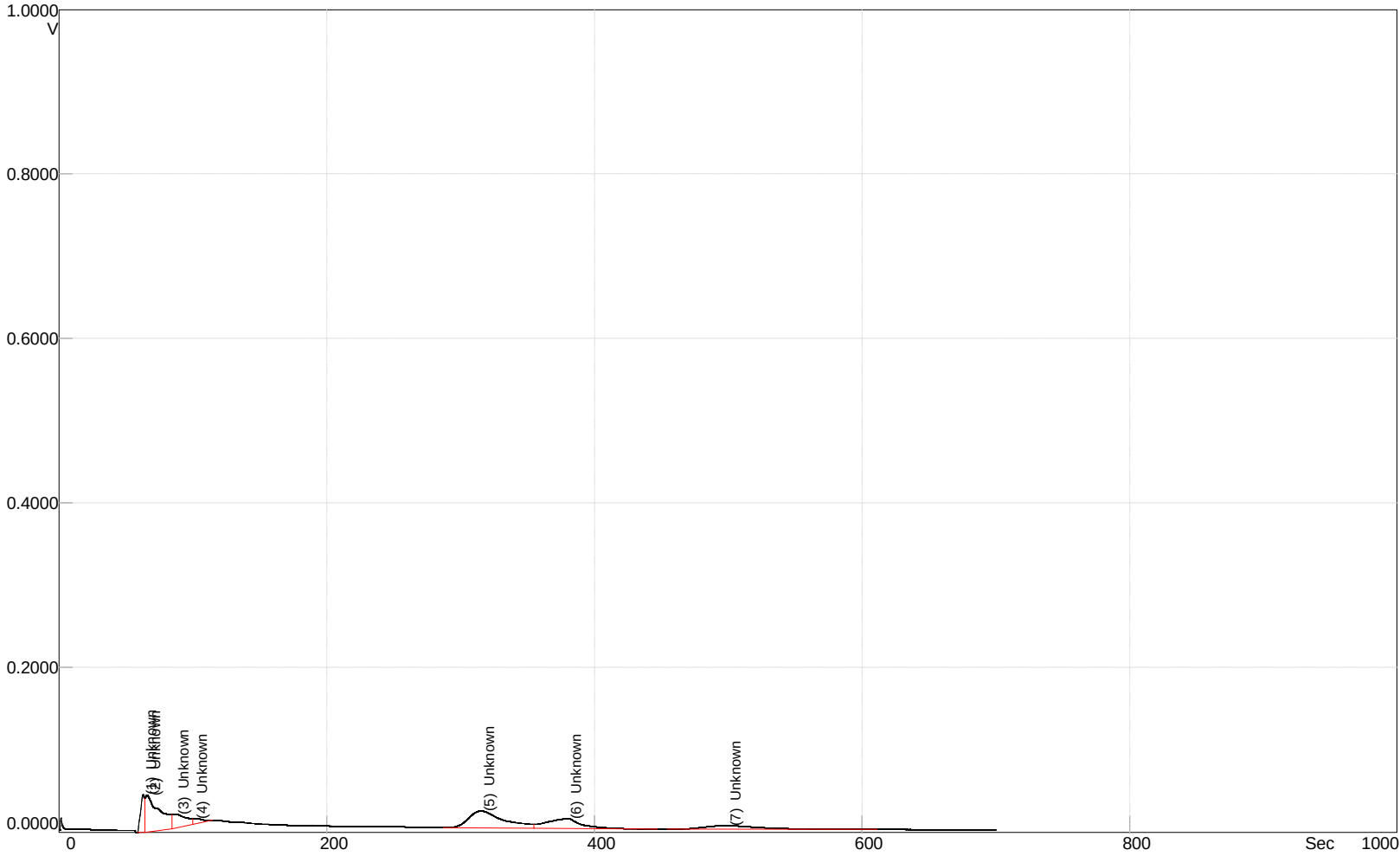
SlopeUp	0.1 mV/S
SlopeDown	0.1 mV/S
Min Height	0.0 mV
Min Area	0.0 mVS
FilterLevel	3
Delay	0 Sec

PEAK REPORT:

#	Name	Conc (PPM)	Area (mVS)	Height (mV)	R.T. (S)	Status
1	Unknown		625	35.4	88.8	
2	Unknown		358	34.6	103.5	
3	Unknown		67.3	0.440	120.8	
4	Unknown		1077	37.5	312.5	

5	Unknown	489	5.873	378.0
6	Unknown	980	15.8	492.8

SiteChart Analysis Report - E:\MW702 06.PID



RESULTS:

Date	May 20, 2011
Time	12:31:17
Instrument	FGGE202
Detector	PID
Column	B
Analysis#	21
Tag	
Column Temp	59.0 C
Det Temp	59.0 C
Ambient Temp	24.0 C

METHOD:

Analysis Time	700.0 S
PumpTime	10.0 S
Back Flush	700.0 S
Temperature	60.0 C
Pressure	10.0 psi
Inject	Syringe, 300.0 uL
PID State	High Sense

INTEGRATION METHOD:

Manual Integration

SlopeUp	0.1 mV/S
SlopeDown	0.1 mV/S
Min Height	0.0 mV
Min Area	0.0 mVS
FilterLevel	3
Delay	0 Sec

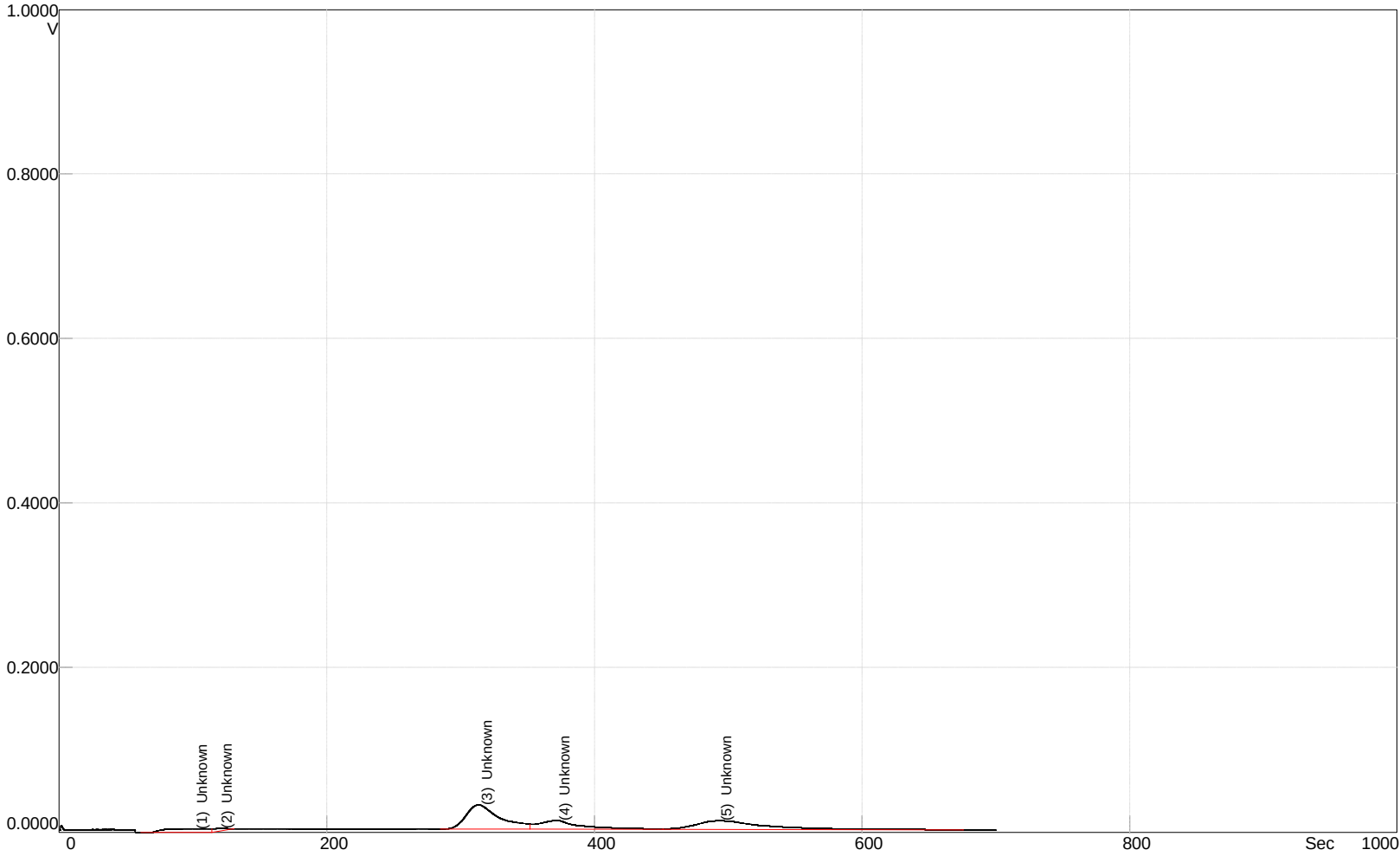
PEAK REPORT:

#	Name	Conc (PPM)	Area (mVS)	Height (mV)	R.T. (S)	Status
1	Unknown		177	52.1	62.5	
2	Unknown		576	3.651	65.5	
3	Unknown		188	0.758	86.7	
4	Unknown		47.1	0.139	100.4	

Date: 11/05/20 15:56

5	Unknown	626	20.3	315.2
6	Unknown	367	6.656	380.0
7	Unknown	219	4.025	499.2

SiteChart Analysis Report - E:\MW702 08.PID



RESULTS:

Date	May 20, 2011
Time	08:52:05
Instrument	FGGE202
Detector	PID
Column	B
Analysis#	6
Tag	
Column Temp	59.0 C
Det Temp	59.0 C
Ambient Temp	22.0 C

METHOD:

Analysis Time	700.0 S
PumpTime	10.0 S
Back Flush	700.0 S
Temperature	60.0 C
Pressure	10.0 psi
Inject	Syringe, 300.0 uL
PID State	High Sense

INTEGRATION METHOD:

Manual Integration

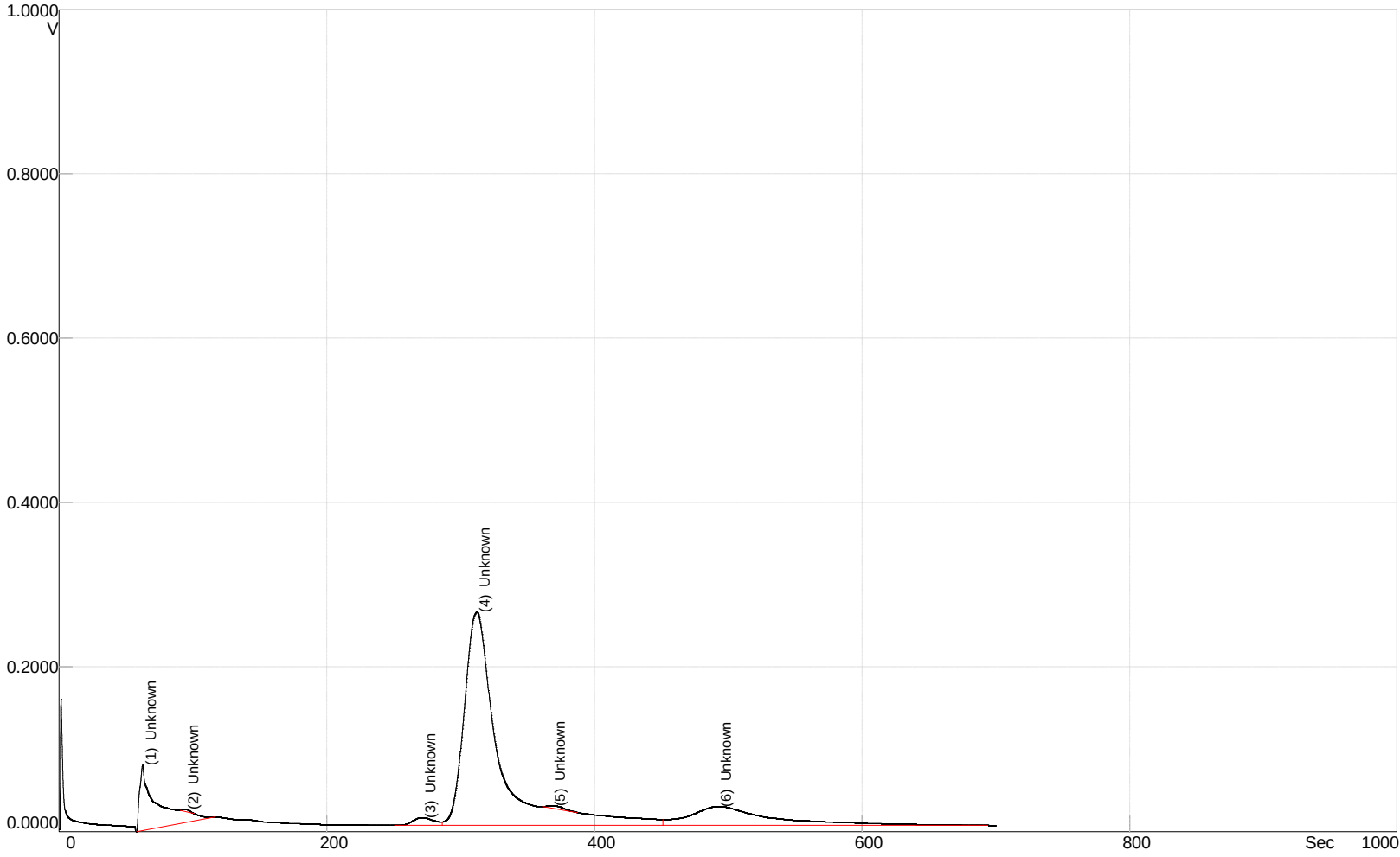
SlopeUp	0.1 mV/S
SlopeDown	0.1 mV/S
Min Height	0.0 mV
Min Area	0.0 mVS
FilterLevel	3
Delay	0 Sec

PEAK REPORT:

#	Name	Conc (PPM)	Area (mVS)	Height (mV)	R.T. (S)	Status
1	Unknown		942	33.3	100.3	
2	Unknown		62.4	0.393	119.2	
3	Unknown		861	29.2	313.3	
4	Unknown		399	4.728	371.3	

5	Unknown	661	9.761	492.4

SiteChart Analysis Report - E:\MW702 09.5.PID



RESULTS:

Date	May 20, 2011
Time	11:30:22
Instrument	FGGE202
Detector	PID
Column	B
Analysis#	17
Tag	
Column Temp	60.0 C
Det Temp	60.0 C
Ambient Temp	24.0 C

METHOD:

Analysis Time	700.0 S
PumpTime	10.0 S
Back Flush	700.0 S
Temperature	60.0 C
Pressure	10.0 psi
Inject	Syringe, 300.0 uL
PID State	High Sense

INTEGRATION METHOD:

Manual Integration

SlopeUp	0.1 mV/S
SlopeDown	0.1 mV/S
Min Height	0.0 mV
Min Area	0.0 mVS
FilterLevel	3
Delay	0 Sec

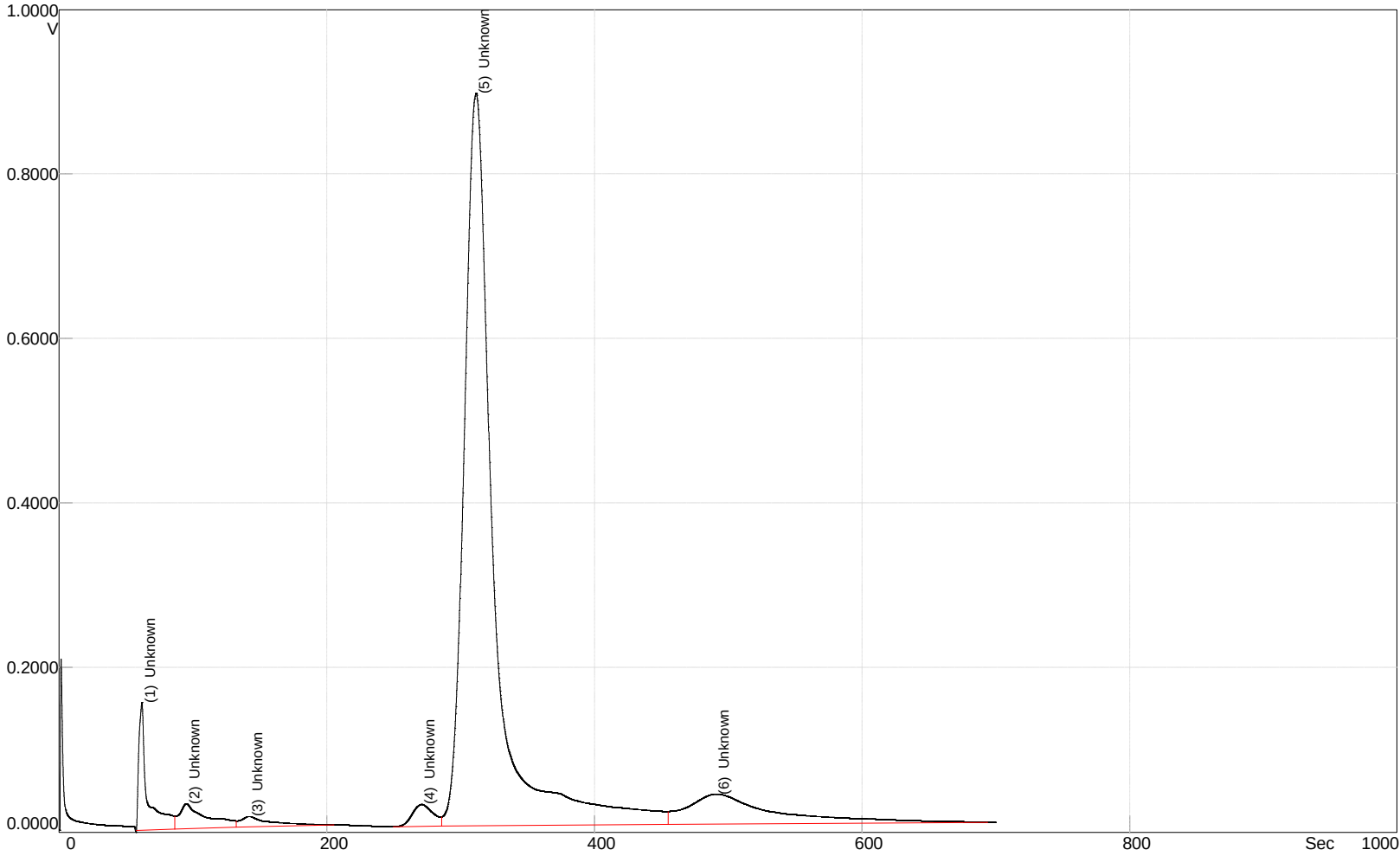
PEAK REPORT:

#	Name	Conc (PPM)	Area (mVS)	Height (mV)	R.T. (S)	Status
1	Unknown		1233	81.0	62.3	
2	Unknown		16.6	1.483	94.0	
3	Unknown		177	9.561	271.2	
4	Unknown		7918	255	311.7	

Date: 11/05/20 15:58

5	Unknown	41.3	0.685	368.0
6	Unknown	1673	15.8	492.0

SiteChart Analysis Report - E:\MW702 12.PID



RESULTS:

Date	May 20, 2011
Time	09:21:18
Instrument	FGGE202
Detector	PID
Column	B
Analysis#	8
Tag	
Column Temp	59.0 C
Det Temp	59.0 C
Ambient Temp	23.0 C

METHOD:

Analysis Time	700.0 S
PumpTime	10.0 S
Back Flush	700.0 S
Temperature	60.0 C
Pressure	10.0 psi
Inject	Syringe, 300.0 uL
PID State	High Sense

INTEGRATION METHOD:

Manual Integration	
SlopeUp	0.1 mV/S
SlopeDown	0.1 mV/S
Min Height	0.0 mV
Min Area	0.0 mVS
FilterLevel	3
Delay	0 Sec

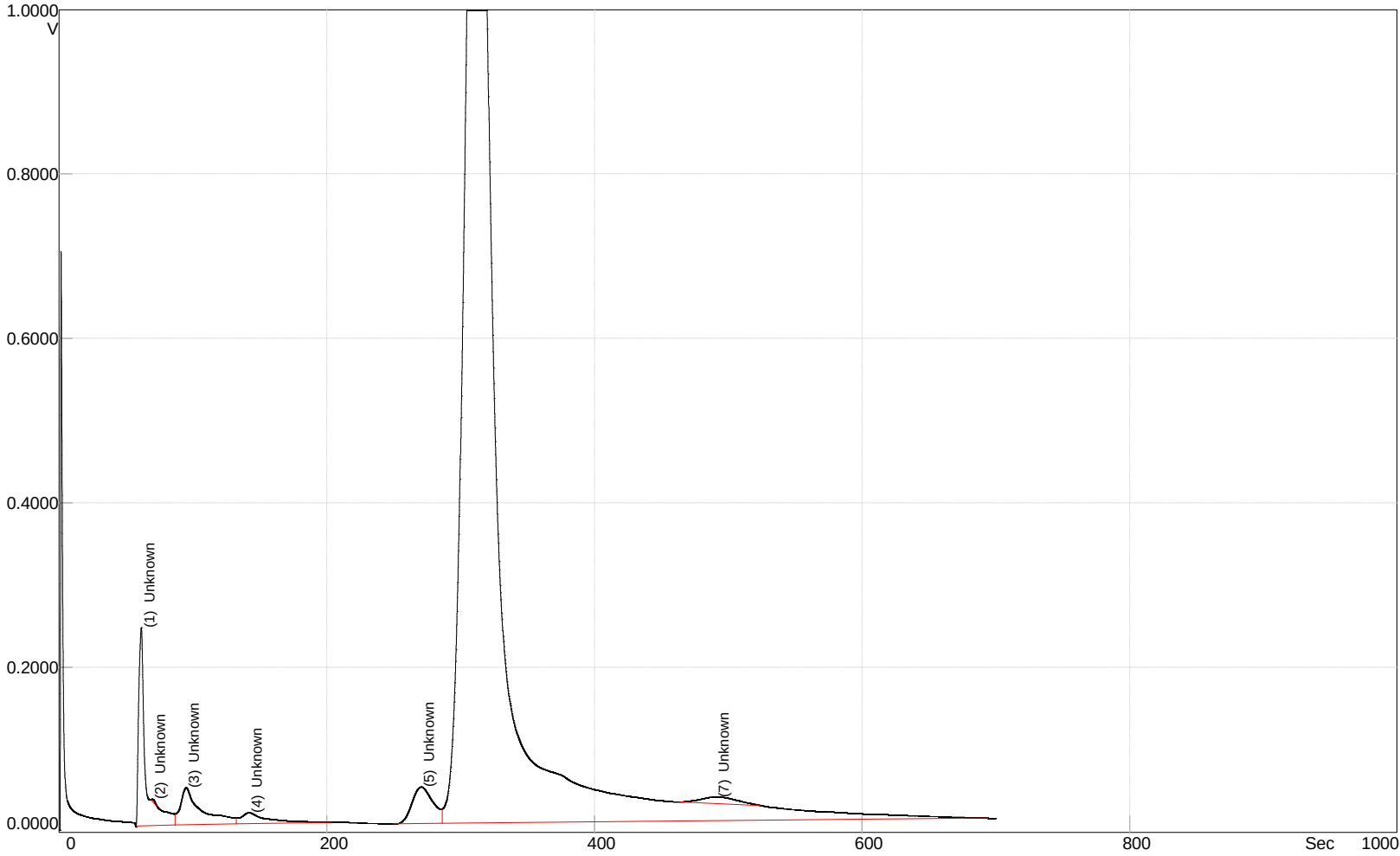
PEAK REPORT:

#	Name	Conc (PPM)	Area (mVS)	Height (mV)	R.T. (S)	Status
1	Unknown		1173	156	61.8	
2	Unknown		714	15.1	94.8	
3	Unknown		327	5.354	141.7	
4	Unknown		484	26.9	270.4	

Date: 11/05/20 15:59

5	Unknown	22721	879	311.2
6	Unknown	2739	21.0	490.4

SiteChart Analysis Report - E:\MW702 14.PID



RESULTS:

Date	May 20, 2011
Time	15:10:01
Instrument	FGGE202
Detector	PID
Column	B
Analysis#	24
Tag	
Column Temp	59.0 C
Det Temp	59.0 C
Ambient Temp	24.0 C

METHOD:

Analysis Time	700.0 S
PumpTime	10.0 S
Back Flush	700.0 S
Temperature	60.0 C
Pressure	10.0 psi
Inject	Syringe, 300.0 uL
PID State	High Sense

INTEGRATION METHOD:

Manual Integration

SlopeUp	0.1 mV/S
SlopeDown	0.1 mV/S
Min Height	0.0 mV
Min Area	0.0 mVS
FilterLevel	3
Delay	0 Sec

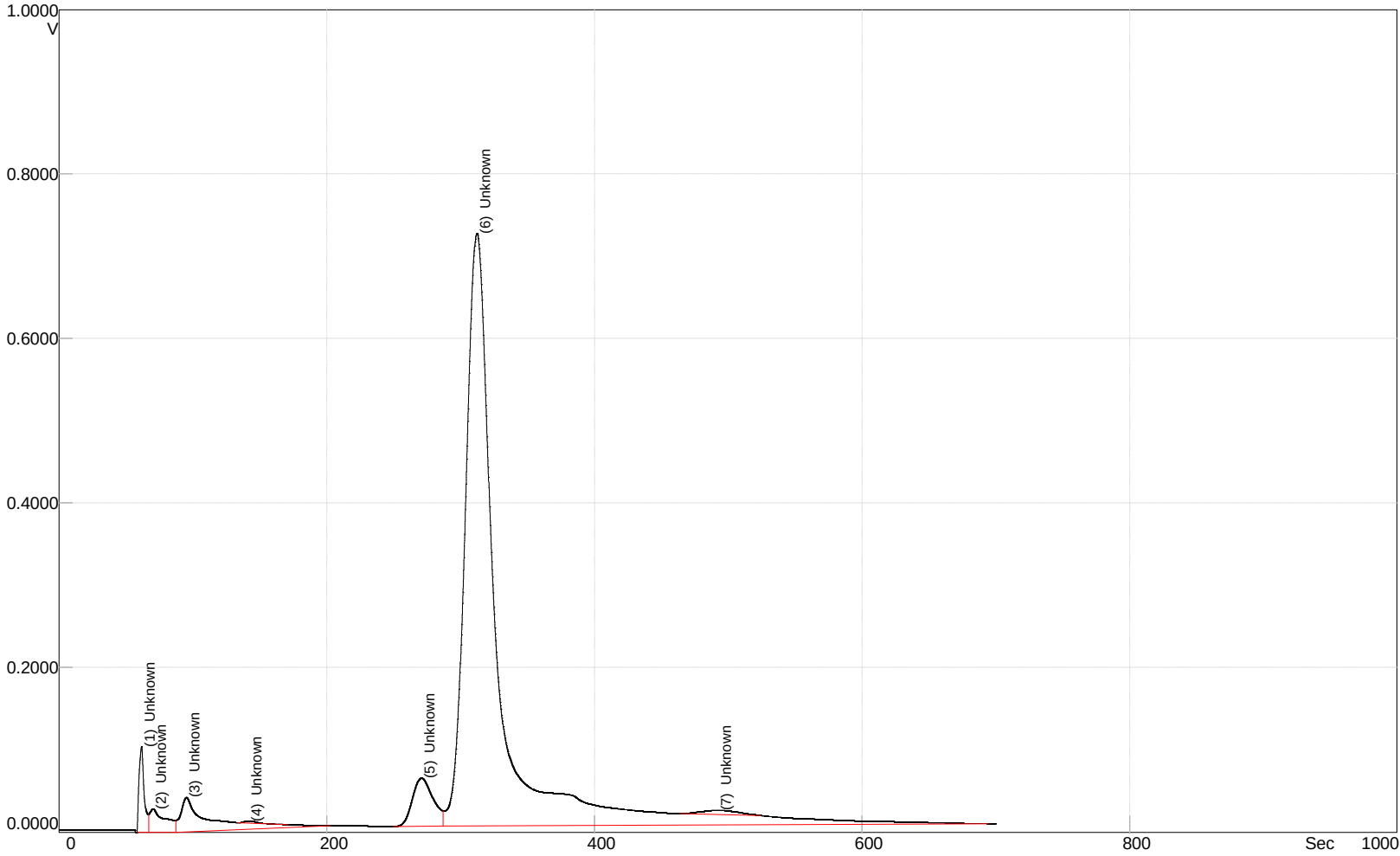
PEAK REPORT:

#	Name	Conc (PPM)	Area (mVS)	Height (mV)	R.T. (S)	Status
1	Unknown		1491	241	61.3	
2	Unknown		9.240	0.660	69.2	
3	Unknown		821	31.8	94.5	
4	Unknown		310	6.538	141.5	

Date: 11/05/20 18:15

5	Unknown	817	44.9	270.1
6	Unknown	41277	1550	311.7
7	Unknown	247	5.795	490.4

SiteChart Analysis Report - E:\MW702 15.5.PID



RESULTS:

Date	May 20, 2011
Time	09:54:18
Instrument	FGGE202
Detector	PID
Column	B
Analysis#	10
Tag	
Column Temp	60.0 C
Det Temp	60.0 C
Ambient Temp	23.0 C

METHOD:

Analysis Time	700.0 S
PumpTime	10.0 S
Back Flush	700.0 S
Temperature	60.0 C
Pressure	10.0 psi
Inject	Syringe, 300.0 uL
PID State	High Sense

INTEGRATION METHOD:

Manual Integration

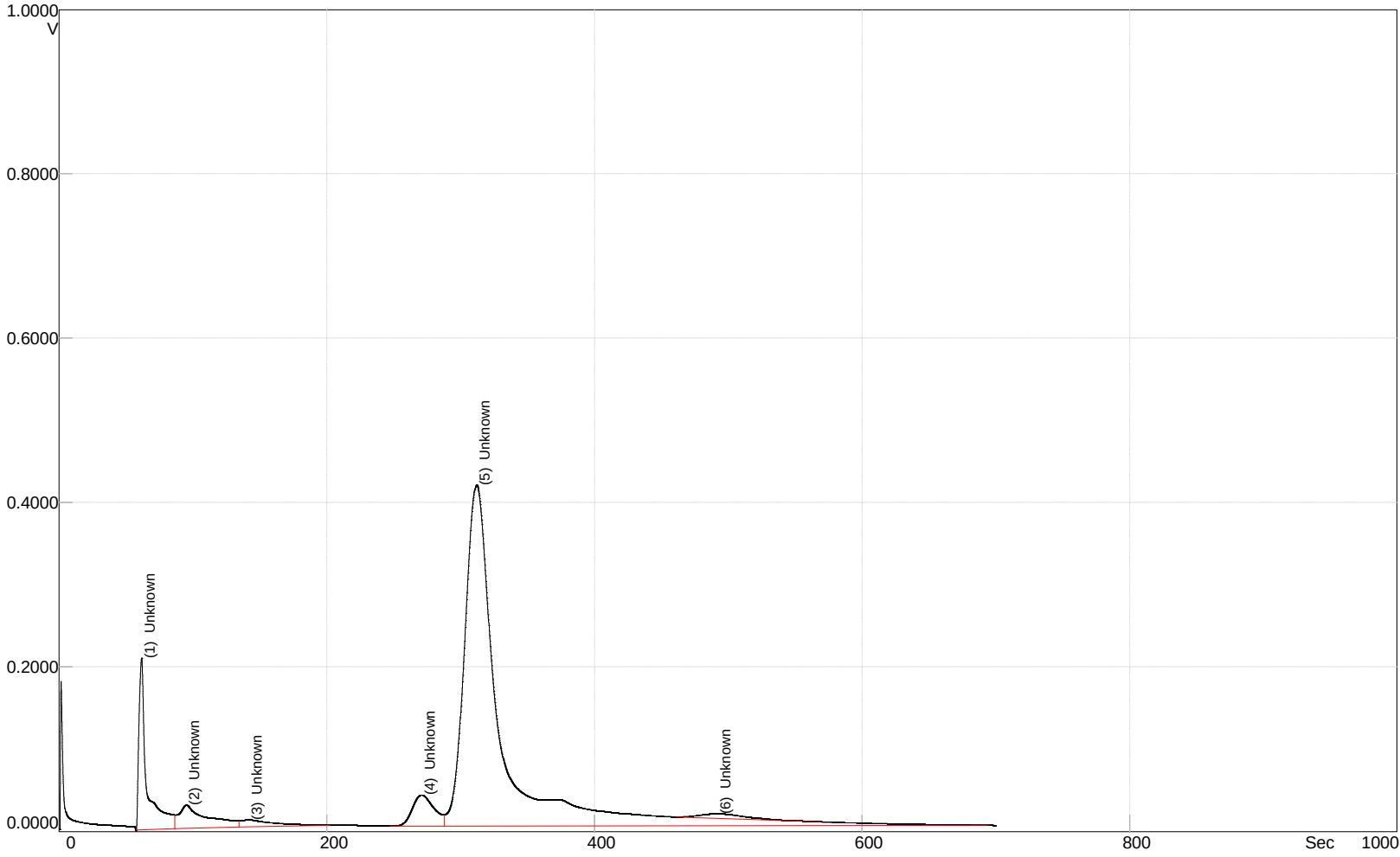
SlopeUp	0.1 mV/S
SlopeDown	0.1 mV/S
Min Height	0.0 mV
Min Area	0.0 mVS
FilterLevel	3
Delay	0 Sec

PEAK REPORT:

#	Name	Conc (PPM)	Area (mVS)	Height (mV)	R.T. (S)	Status
1	Unknown		515	109	61.5	
2	Unknown		452	6.257	69.7	
3	Unknown		1208	27.7	94.8	
4	Unknown		29.3	2.287	141.3	

5	Unknown	1061	58.9	270.4
6	Unknown	20653	702	312.0
7	Unknown	161	4.025	492.0

SiteChart Analysis Report - E:\MW702 18.PID



RESULTS:

Date	May 20, 2011
Time	10:24:04
Instrument	FGGE202
Detector	PID
Column	B
Analysis#	12
Tag	
Column Temp	59.0 C
Det Temp	59.0 C
Ambient Temp	23.0 C

METHOD:

Analysis Time	700.0 S
PumpTime	10.0 S
Back Flush	700.0 S
Temperature	60.0 C
Pressure	10.0 psi
Inject	Syringe, 300.0 uL
PID State	High Sense

INTEGRATION METHOD:

Manual Integration

SlopeUp	0.1 mV/S
SlopeDown	0.1 mV/S
Min Height	0.0 mV
Min Area	0.0 mVS
FilterLevel	3
Delay	0 Sec

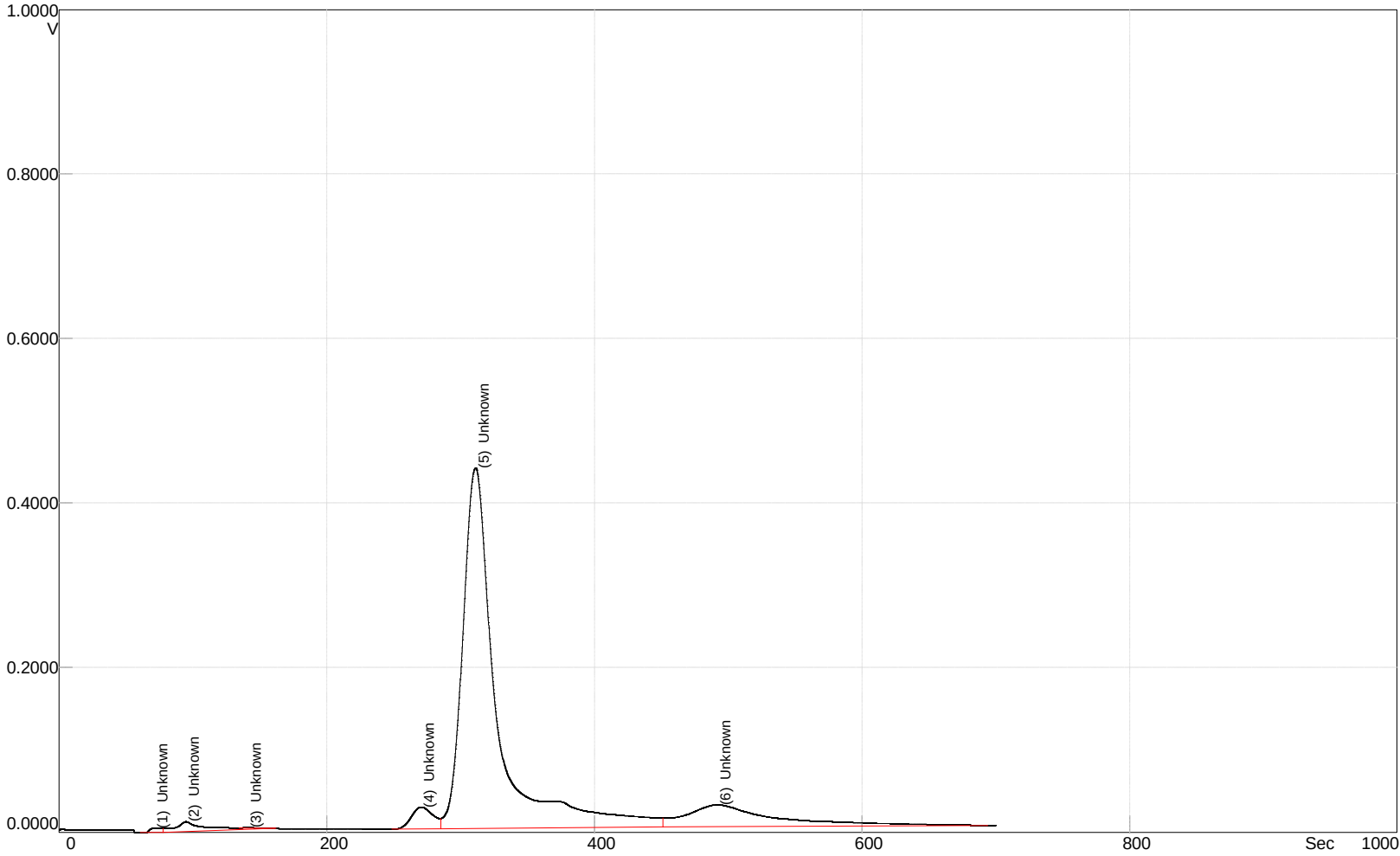
PEAK REPORT:

#	Name	Conc (PPM)	Area (mVS)	Height (mV)	R.T. (S)	Status
1	Unknown		1448	209	61.5	
2	Unknown		700	12.2	94.7	
3	Unknown		240	1.428	141.5	
4	Unknown		714	37.9	270.7	

Date: 11/05/20 16:03

5	Unknown	13201	400	311.7
6	Unknown	221	3.643	491.6

SiteChart Analysis Report - E:\MW702 20.PID



RESULTS:

Date	May 20, 2011
Time	11:57:34
Instrument	FGGE202
Detector	PID
Column	B
Analysis#	19
Tag	
Column Temp	59.0 C
Det Temp	59.0 C
Ambient Temp	24.0 C

METHOD:

Analysis Time	700.0 S
PumpTime	10.0 S
Back Flush	700.0 S
Temperature	60.0 C
Pressure	10.0 psi
Inject	Syringe, 300.0 uL
PID State	High Sense

INTEGRATION METHOD:

Manual Integration

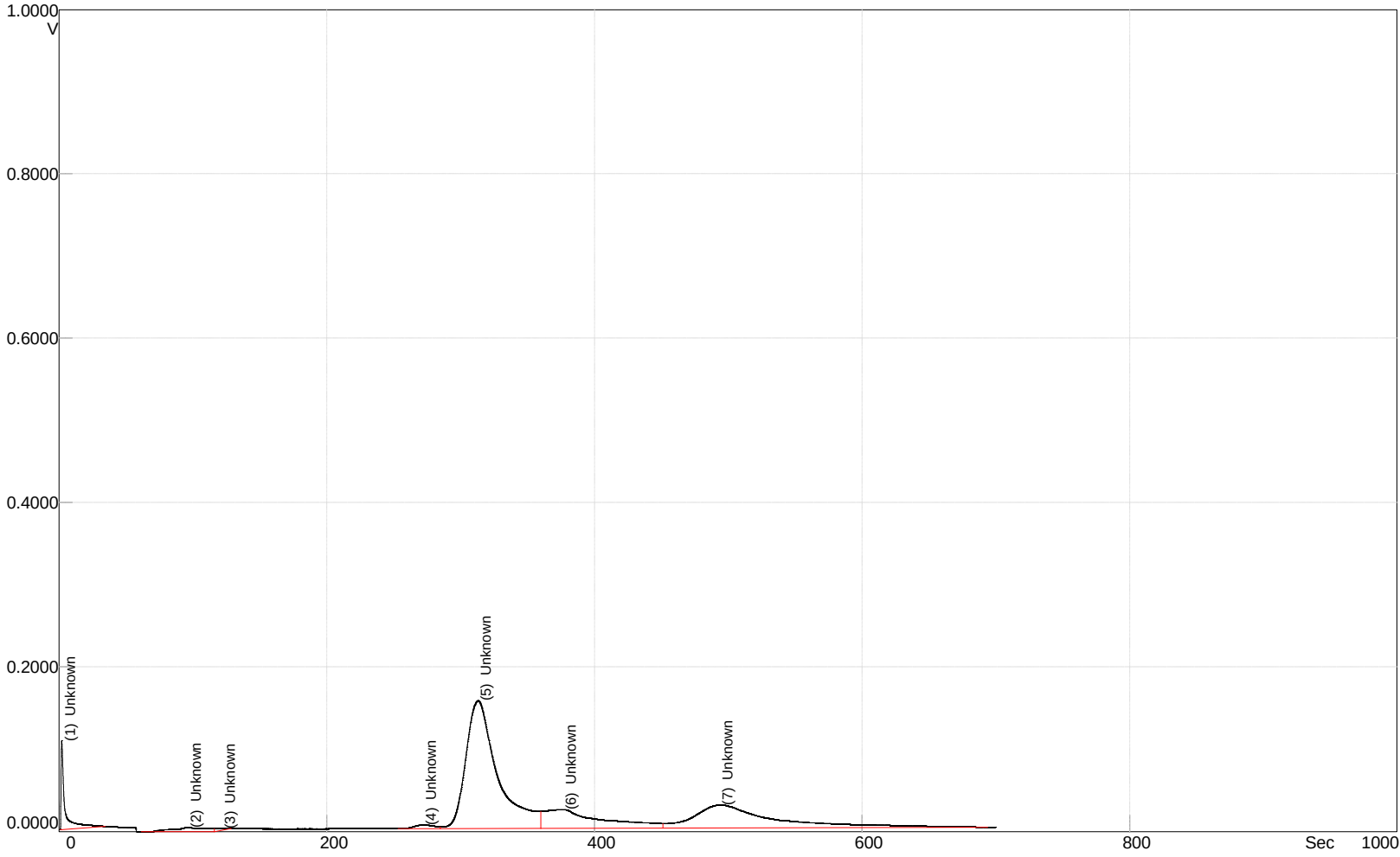
SlopeUp	0.1 mV/S
SlopeDown	0.1 mV/S
Min Height	0.0 mV
Min Area	0.0 mVS
FilterLevel	3
Delay	0 Sec

PEAK REPORT:

#	Name	Conc (PPM)	Area (mVS)	Height (mV)	R.T. (S)	Status
1	Unknown		328	26.6	70.8	
2	Unknown		975	31.8	94.4	
3	Unknown		6.777	0.558	140.8	
4	Unknown		503	26.8	270.1	

5	Unknown	12926	426	310.9
6	Unknown	2053	15.8	491.6

SiteChart Analysis Report - E:\MW702 23.PID



RESULTS:

Date	May 20, 2011
Time	11:00:58
Instrument	FGGE202
Detector	PID
Column	B
Analysis#	15
Tag	
Column Temp	59.0 C
Det Temp	59.0 C
Ambient Temp	24.0 C

METHOD:

Analysis Time	700.0 S
PumpTime	10.0 S
Back Flush	700.0 S
Temperature	60.0 C
Pressure	10.0 psi
Inject	Syringe, 300.0 uL
PID State	High Sense

INTEGRATION METHOD:

Manual Integration

SlopeUp	0.1 mV/S
SlopeDown	0.1 mV/S
Min Height	0.0 mV
Min Area	0.0 mVS
FilterLevel	3
Delay	0 Sec

PEAK REPORT:

#	Name	Conc (PPM)	Area (mVS)	Height (mV)	R.T. (S)	Status
1	Unknown		339	109	1.9	
2	Unknown		893	33.4	96.0	
3	Unknown		35.5	0.234	121.2	
4	Unknown		76.0	4.420	271.5	

Date: 11/05/20 16:05

5	Unknown	4244	153	312.5
6	Unknown	1119	2.191	376.0
7	Unknown	1867	22.4	493.2

APPENDIX D: BORING LOGS

BORING/WELL NO.: MW-701A

Woodard & Curran

PROJECT 15 Old Newtown Road - Danbury, CT **PROJECT NUMBER** 97001.00

DATE STARTED 5/25/11 **COMPLETED** 5/25/11 **SURFACE ELEVATION** 292.9 ft amsl **DATUM** amsl

CONTRACTOR ADT **DRILLER** Tim Sabo **NORTHING** 0 **EASTING** 0

DRILLING METHOD Hollow Stem Auger **WELL CASING:** **INTERVAL** 0 ft. to 5 ft.

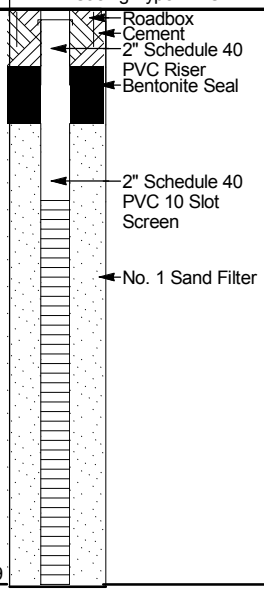
SAMPLING METHOD Split Spoon **TYPE** PVC **DIAMETER** 2 in.

GEOLOGIST/ENGINEER Scott Soricelli **WELL SCREEN:** **INTERVAL** 5 ft. to 15 ft.

WATER LEVEL 5.19 ft **DATE MEASURED** 5/26/2011 **TYPE** PVC Slotted **DIAMETER** 2 in. **SIZE** 0.010 in.

DEPTH (ft)	SAMPLE INTERVAL (ft)	PHYSICAL DESCRIPTION OF SOIL (Feet BGS)	Feet AMSL
0		Advance Hollow Stem Augers to 15 ft bgs.	
2	NS	No Samples Collected.	
4	NS	See Boring/Well No. 701C for Geologic Description.	
6	NS		
8	NS		
10	NS		
12	NS		
14	NS		
	NS	15.0	277.9

WELL DIAGRAM



Bottom of borehole at 15.0 feet.

BORING/WELL NO.: MW-701B

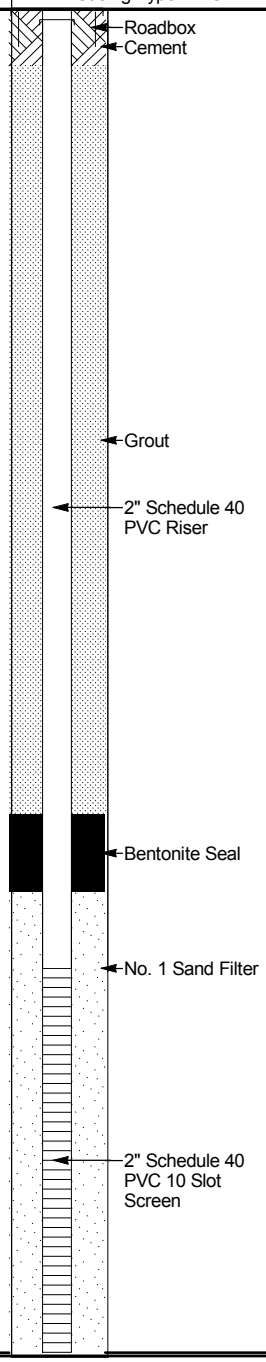
Woodard & Curran

PROJECT	15 Old Newtown Road - Danbury, CT	**PROJECT NUMBER**	97001.00
DATE STARTED	5/25/11	**COMPLETED**	5/25/11
SURFACE ELEVATION	292.9 ft amsl	**DATUM**	amsl
CONTRACTOR	ADT	**DRILLER**	Tim Sabo
NORTHING	0	**EASTING**	0
DRILLING METHOD	Hollow Stem Auger	**WELL CASING:**	**INTERVAL** 0 ft. to 25 ft.
SAMPLING METHOD	Split Spoon	**TYPE**	PVC **DIAMETER** 2 in.
GEOLOGIST/ENGINEER	Scott Soricelli	**WELL SCREEN:**	**INTERVAL** 25 ft. to 35 ft.
WATER LEVEL	5.28 ft **DATE MEASURED** 5/26/2011	**TYPE**	PVC Slotted **DIAMETER** 2 in. **SIZE** 0.010 in.

DEPTH (ft)	SAMPLE INTERVAL (ft)	PHYSICAL DESCRIPTION OF SOIL (Feet BGS / Feet AMSL)	PID (ppm)
0			
	NS	Advance Hollow Stem Augers to 35 ft bgs.	NS
2	NS	No Samples Collected.	
4	NS	See Boring/Well No. 701C for Geologic Description.	
6	NS		
8	NS		
10	NS		
12	NS		
14	NS		
16	NS		
18	NS		
20	NS		
22	NS		
24	NS		
26	NS		
28	NS		
30	NS		
32	NS		
34	NS		
	NS	35.0 / 257.9	

WELL DIAGRAM

Casing Type: PVC



Bottom of borehole at 35.0 feet.

BORING/WELL NO.: MW-701C

Woodard & Curran

PROJECT 15 Old Newtown Road - Danbury, CT **PROJECT NUMBER** 97001.00

DATE STARTED 5/16/11 **COMPLETED** 5/26/11 **SURFACE ELEVATION** 292.9 ft amsl **DATUM** amsl

CONTRACTOR ADT **DRILLER** Tim Sabo **NORTHING** 0 **EASTING** 0

DRILLING METHOD Drive and Wash - 4 in. casing **WELL CASING:** **INTERVAL** 0 ft. to 50 ft.

SAMPLING METHOD Split Spoon and HQ Core **TYPE** PVC **DIAMETER** 2 in.

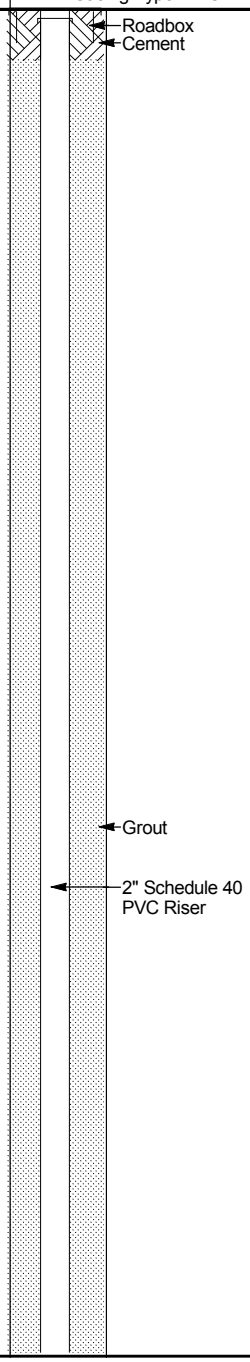
GEOLOGIST/ENGINEER Scott Soricelli **WELL SCREEN:** **INTERVAL** 50 ft. to 60 ft.

WATER LEVEL 5.21 ft **DATE MEASURED** 5/26/2011 **TYPE** PVC Slotted **DIAMETER** 2 in. **SIZE** 0.010 in.

DEPTH (ft)	SAMPLE INTERVAL (ft)	BLOW COUNTS (N VALUE)	RECOVERY %	Feet BGS	PHYSICAL DESCRIPTION OF SOIL	Feet AMSL	PID (ppm)
0				0.5	Asphalt and Subbase	292.4	
2	NS				Hand dug to 5 ft bgs		
4							
6	5-7	2-4-5-7 (9)	38	5.5	Brown, damp FMC SAND, some FMC gravel, little cobbles, trace boulders, fill	287.4	1.7
8	7-9	6-3-3-6 (6)	75	7.5	Dark gray/brown, moist, loose FMC SAND, trace FM gravel	285.4	2.2
10	NS				Brown, saturated, loose FMC SAND, little FM gravel, trace silt Drive and Wash 4-in casing to 10 ft bgs		
12	10-12	13-7-12-8 (19)	25		Brown, saturated, medium dense FMC SAND, little F gravel, saturated		0.0
14	12-14	12-6-11-10 (17)	50	13.0	Drive and Wash 4-in casing to 14 ft bgs	279.9	0.0
16	14-16	8-9-7-8 (16)	25		Gray, saturated, medium dense SILT, trace F sand		0.7
18	16-18	20-13-20-16 (33)	0		Rock in tip of split spoon		
20	18-20	22-16-17-16 (33)	100		Gray, saturated SILT, dense trace FM sand, trace clay Drive and Wash 4-in casing to 20 ft bgs		2.2
22	20-22	9-8-9-6 (17)	75		Gray, saturated, medium dense SILT, little F sand, little clay		2.5
24	22-24	4-6-6-7 (12)	100		Drive and Wash 4-in casing to 24 ft bgs		7.6
26	24-26	3-4-4-8 (8)	88		Gray, saturated, loose SILT, some clay, trace F sand		45.4
28	26-28	6-6-15-17 (21)	100	28.0	Gray, saturated, medium dense F SAND, little silt and clay	264.9	68.2
30	28-30	4-10-9-11 (19)	88		Gray, saturated, medium dense FM SAND, trace C sand and F gravel		147.1
32	30-32	4-14-25-40 (39)	50		Drive and Wash to 30 ft bgs. Gray, saturated, dense FMC SAND and F GRAVEL		131.3
34	32-34	22-14-15-14 (29)	50		Gray, saturated, medium dense FMC SAND and F GRAVEL		132.8
36	34-36	12-11-9-12 (20)	25		Drive and wash to 34 ft bgs. Gray, saturated, medium dense FMC SAND and F GRAVEL		61.6
38	36-38	7-29-18-6 (47)	50		Rock in tip of split spoon. Gray/pink, saturated, dense C SAND and FM GRAVEL, possible weathered rock		22.9

WELL DIAGRAM

Casing Type: PVC



Notes: 1. Material descriptions depicted across entire sample interval are based on noted recoveries.
2. Soil samples composited over 2 ft interval for headspace screening with a photoionization detector.

(Continued Next Page)

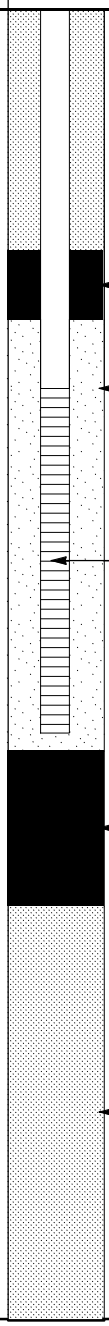
BORING/WELL NO.: MW-701C

Woodard & Curran

PROJECT 15 Old Newtown Road - Danbury, CT **PROJECT NUMBER** 97001.00

DEPTH (ft)	SAMPLE INTERVAL (ft)	BLOW COUNTS (N VALUE)	RECOVERY %	Feet BGS	PHYSICAL DESCRIPTION OF SOIL	Feet AMSL	PID (ppm)
40	38-40	76-21-12-13 (33)	50	40.0	Gray, saturated, dense FM SAND, little silt	252.9	17.4
					Drive and Wash to 40 ft bgs. *(continued)*		
42				42.0	Run #1 - 40 ft bgs to 42 ft bgs Augen Gneiss - Gray, fine to medium grained, porphyritic, foliated, lineated Matrix = Quartz, plagioclase, biotite, muscovite, hornblende Porphyrs = Potassium feldspar, quartz, garnet Run Length = 24 inches, Recovery = 21 inches, RQD = 76%	250.9	
44							
46							
48					Run #2 - 42 ft bgs to 52 ft bgs Augen Gneiss Run Length = 120 inches, Recovery = 120 inches, RQD = 80%		
50					Loosing water to the formation at 51 ft bgs. Lost 300 gallons to the formation. Water is not returning to surface.		
52				52.0		240.9	
54					Run #3 - 52 ft bgs to 55 ft bgs Augen Gneiss Run Length = 36 inches, Recovery = 34 inches, RQD = 85%		
56				55.0	Lost 300 gallons to the formation. Water is not returning to surface.	237.9	
58					Run #4 - 55 ft bgs to 62 ft bgs Augen Gneiss Run Length = 84 inches, Recovery = 84 inches, RQD = 25%		
60					Lost 500 gallons to the formation. Water is not returning to surface.		
62				62.0		230.9	
64					Run #5 - 62 ft bgs to 66 ft bgs Augen Gneiss Run Length = 48 inches, Recovery = 48 inches, RQD = 79%		
66				66.0	Lost 400 gallons to the formation. Water is not returning to surface.	226.9	
68					Run #6 - 66 ft bgs to 72 ft bgs Augen Gneiss Run Length = 72 inches, Recovery = 72 inches, RQD = 89%		
70					Lost 400 gallons to the formation. Water is not returning to surface.		
72				72.0		220.9	
74					Run #7 - 72 ft bgs to 77 ft bgs Augen Gneiss Run Length = 60 inches, Recovery = 60 inches, RQD = 83%		
76				77.0	Lost 300 gallons to the formation. Water is not returning to surface.	215.9	

WELL DIAGRAM



Bottom of borehole at 77.0 feet.

Notes: 1. Material descriptions depicted across entire sample interval are based on noted recoveries.
2. Soil samples composited over 2 ft interval for headspace screening with a photoionization detector.

BORING/WELL NO.: MW-702A

Woodard & Curran

PROJECT 15 Old Newtown Road - Danbury, CT **PROJECT NUMBER** 97001.00

DATE STARTED 5/20/11 **COMPLETED** 5/20/11 **SURFACE ELEVATION** 290 ft amsl **DATUM** amsl

CONTRACTOR ADT **DRILLER** Tim Sabo **NORTHING** 0 **EASTING** 0

DRILLING METHOD Hollow Stem Auger **WELL CASING:** **INTERVAL** 0 ft. to 2 ft.

SAMPLING METHOD Split Spoon **TYPE** PVC **DIAMETER** 2 in.

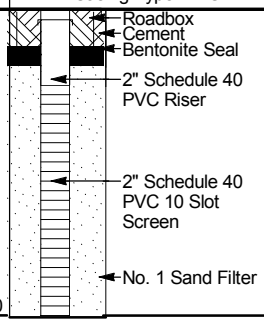
GEOLOGIST/ENGINEER Scott Soricelli **WELL SCREEN:** **INTERVAL** 2 ft. to 8 ft.

WATER LEVEL 2.41 ft **DATE MEASURED** 5/26/2011 **TYPE** PVC Slotted **DIAMETER** 2 in. **SIZE** 0.010 in.

DEPTH (ft)	SAMPLE INTERVAL (ft)	PHYSICAL DESCRIPTION OF SOIL (Feet BGS)	Feet AMSL
0			
2	NS	Advance Hollow Stem Augers to 8 ft bgs.	
4	NS	No Samples Collected.	
6	NS	See Boring/Well No. 702B for Geologic Description.	
8	NS	8.0	282.0

WELL DIAGRAM

Casing Type: PVC



Bottom of borehole at 8.0 feet.

BORING/WELL NO.: MW-702B

Woodard & Curran

PROJECT 15 Old Newtown Road - Danbury, CT **PROJECT NUMBER** 97001.00

DATE STARTED 5/24/11 **COMPLETED** 5/24/11 **SURFACE ELEVATION** 290 ft amsl **DATUM** amsl

CONTRACTOR ADT **DRILLER** Tim Sabo **NORTHING** 0 **EASTING** 0

DRILLING METHOD Hollow Stem Auger **WELL CASING:** **INTERVAL** 0 ft. to 11 ft.

SAMPLING METHOD Split Spoon **TYPE** PVC **DIAMETER** 2 in.

GEOLOGIST/ENGINEER Scott Soricelli **WELL SCREEN:** **INTERVAL** 11 ft. to 21 ft.

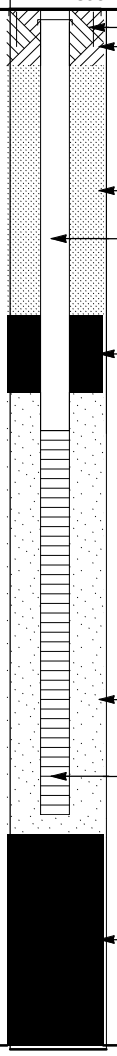
WATER LEVEL 2.21 ft **DATE MEASURED** 5/26/2011 **TYPE** PVC Slotted **DIAMETER** 2 in. **SIZE** 0.010 in.

DEPTH (ft)	SAMPLE INTERVAL (ft)	BLOW COUNTS (N VALUE)	RECOVERY %	Feet BGS	PHYSICAL DESCRIPTION OF SOIL	Feet AMSL	PID (ppm)
0	NS			1.0	Asphalt and Subbase	289.0	NM
2	1-3	1-3-3-2 (6)	75		Gray, moist to saturated, loose FM SAND, trace organic material		0.0
4	3-5	2-5-17-19 (22)	75	3.5	Groundwater table at 2 ft bgs Gray, saturated, loose FM SAND, saturated, trace organic material	286.5	0.0
6	5-7	3-2-11-13 (13)	63		Brown, saturated, medium dense FMC SAND, some FM gravel		0.0
8	7-9	13-7-8-9 (15)	50	8.0		282.0	0.0
10	9-11	3-5-10-10 (15)	38	9.8	Gray, wet, medium dense F SAND and SILT	280.3	0.4
12	11-13	7-7-9-7 (16)	50		Gray, wet, medium dense SILT, trace clay, bedding evident		2.5
14	13-15	9-7-10-8 (17)	75				1.6
16	15-17	5-5-5-5 (10)	38				1.6
18	17-19	4-4-4-4 (8)	100		Gray, saturated, loose F SAND and SILT, trace clay Gray, wet, loose SILT, little clay, trace F sand		0.8
20	19-21	5-7-6-7 (13)	25	19.0	Gray, saturated, medium dense SILT, some FM gravel, trace clay, trace FMC sand	271.0	0.4
22	21-22	5-5	0		No Recovery		NM
24	22-24	1-1-3-5 (4)	100		Gray, saturated, medium dense SILT, little F sand, little clay		0.8
	24-26	12-14-50/0"	0	24.0	Auger Refusal at 24 ft bgs Spoon refusal at 25 ft bgs	266.0	NM
26	NS			27.0	Rock in tip of split spoon. Rollerbit from 25 ft bgs to 27 ft bgs to confirm bedrock. Gray, white, and pink rock fragments washing out of borehole.	263.0	

Bottom of borehole at 27.0 feet.

WELL DIAGRAM

Casing Type: PVC



Notes: 1. Material descriptions depicted across entire sample interval are based on noted recoveries.
2. Soil samples composited over 2 ft interval for headspace screening with a photoionization detector.

PIEZOMETER NO.: PZ-1

Woodard & Curran

PROJECT 15 Old Newtown Road - Danbury, CT **PROJECT NUMBER** 97001.00

DATE STARTED 7/29/11 **COMPLETED** 7/29/11 **SURFACE ELEVATION** 287.2 ft amsl **DATUM** amsl

CONTRACTOR ADT **DRILLER** **NORTHING** 209716.23 **EASTING** 414662.33

DRILLING METHOD Impact Hammer **WELL CASING:** **INTERVAL** 283.2 ft. to 292 ft.

SAMPLING METHOD **TYPE** Steel **DIAMETER** 1 in.

GEOLOGIST/ENGINEER Tom Ferrelli, Bill DePascale **WELL SCREEN:** **INTERVAL** 282.2 ft. to 283.2 ft.

WATER LEVEL 0 **DATE MEASURED** **TYPE** Steel Perforations **DIAMETER** 1 in. **SIZE**

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0		Feet BGS Sediment was not recovered during piezometer installation.	Casing Top Elev: 292 (ft) Casing Type: Steel
2			Schedule 40 Steel Pipe
4			Cross-pipe perforations
5.0			282.2

Bottom of borehole at 5.0 feet.

PIEZOMETER NO.: PZ-2

Woodard & Curran

PROJECT 15 Old Newtown Road - Danbury, CT **PROJECT NUMBER** 97001.00

DATE STARTED 7/29/11 **COMPLETED** 7/29/11 **SURFACE ELEVATION** 287.1 ft amsl **DATUM** amsl

CONTRACTOR ADT **DRILLER** **NORTHING** 209527.61 **EASTING** 414656.89

DRILLING METHOD Impact Hammer **WELL CASING:** **INTERVAL** 283.1 ft. to 293.34

SAMPLING METHOD **TYPE** Steel **DIAMETER** 1 in

GEOLOGIST/ENGINEER Tom Ferrelli, Bill DePascale **WELL SCREEN:** **INTERVAL** 282.1 ft. to 283.1 ft.

WATER LEVEL -0.11 **DATE MEASURED** **TYPE** Steel Perforations **DIAMETER** 1 in. **SIZE**

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0		Feet BGS	Casing Top Elev: 293.34 (ft) Casing Type: Steel
		Sediment was not recovered during piezometer installation.	
2			Schedule 40 Steel Pipe
4			Cross-pipe perforations
		5.0	282.1

Bottom of borehole at 5.0 feet.

APPENDIX E: DRILL CUTTINGS WASTE CHARACTERIZATION

ANALYTICAL REPORT

Lab Number:	L1111417
Client:	Woodard & Curran 35 New England Business Center Drive Suite 180 Andover, MA 01810
ATTN:	Cathy Rockwell
Phone:	(978) 557-8150
Project Name:	RISDON
Project Number:	97001.01
Report Date:	08/09/11

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: RISDON
Project Number: 97001.01

Lab Number: L1111417
Report Date: 08/09/11

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1111417-01	DRUM COMP 1	DANBURY, CT	07/27/11 10:00

Project Name: RISDON
Project Number: 97001.01

Lab Number: L1111417
Report Date: 08/09/11

CT DEP Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	YES
1a	Were the method specified preservation and holding time requirements met?	YES
1b	VPH & EPH Methods Only: Was the VPH or EPH Method conducted without significant modifications (see Section 11.3 of respective Methods)?	N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	YES
3	Were all samples received at an appropriate temperature (<6°C)?	YES
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	NO
5a	Were reporting limits specified or referenced on the chain-of-custody?	YES
5b	Were these reporting limits met?	YES
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	NO
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	NO

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or question B is "No", the data package does not meet the requirements for "Reasonable Confidence".

Project Name: RISDON **Lab Number:** L1111417
Project Number: 97001.01 **Report Date:** 08/09/11

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

RCP Related Narratives

Volatile Organics
In reference to question 4:
The surrogate recovery for L1111417-01 is below the acceptance criteria for Dibromofluoromethane (9%), due to a known matrix effect caused by the high pH of the sample (>10).

Semivolatile Organics
In reference to question 4:
The surrogate recovery for L1111417-01 was below the acceptance criteria for 2-Fluorophenol (26%); however, re-extraction achieved similar results: 2-Fluorophenol (1%), Phenol-d6 (12%), Nitrobenzene-d5 (25%) and 2,4,6-Tribromophenol (0%). The results of both extractions are reported; however, all associated

Project Name: RISDON **Lab Number:** L1111417
Project Number: 97001.01 **Report Date:** 08/09/11

Case Narrative (continued)

compounds are considered to have a potentially low bias.
The WG482245-2/-3 LCS/LCSD recoveries, associated with L1111417-01, are below the individual acceptance criteria for Bis(2-chloroethyl)ether (LCSD at 38%), Bis(2-chloroisopropyl)ether (LCSD at 30%), Aniline (35%/19%), 4-Chloroaniline (LCSD at 39%), 2,4-Dinitrophenol (LCSD at 29%), Pyridine (33%/24%) and Hexachlorocyclopentadiene (39%/29%), but within the overall method allowances. The results of the associated sample are reported; however, all results are considered to have a potentially low bias for these compounds. In addition, the associated WG482245-2/-3 LCS/LCSD RPDs are above the acceptance criteria for Bis(2-chloroethyl)ether (45%), Bis(2-chloroisopropyl)ether (44%), Aniline (59%), 4-Chloroaniline (34%), 2,4-Dichlorophenol (59%) and Pyridine (32%).
The WG482245-2/-3 LCS/LCSD RPDs, associated with L1111417-01, are above the acceptance criteria for 1,2,4-Trichlorobenzene (45%), Bis(2-chloroethoxy)methane (51%), Hexachlorobutadiene (39%), Hexachloroethane (48%), Isophorone (44%), Naphthalene (37%), Nitrobenzene (43%), Dibenzofuran (33%), 2-Methylnaphthalene (35%), 1,2,4,5-Tetrachlorobenzene (35%), 2-Chlorophenol (43%), 2,4-Dichlorophenol (36%), 2,4-Dimethylphenol (34%), 2-Nitrophenol (44%), Phenol (46%), 2-Methylphenol (47%), 3-Methylphenol/4-Methylphenol (43%) and n-Nitrosodi-n-propylamine (50%); however, the individual LCS/LCSD recoveries are within method limits.

Metals
In reference to question 6:
At the client's request, all submitted samples were not analyzed for the full RCP list of constituents identified in the method specific analyte list presented in the RCP documents.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 08/09/11

ORGANICS

VOLATILES

Project Name: RISDON **Lab Number:** L1111417

Project Number: 97001.01 **Report Date:** 08/09/11

SAMPLE RESULTS

Lab ID:	L1111417-01	Date Collected:	07/27/11 10:00
Client ID:	DRUM COMP 1	Date Received:	07/28/11
Sample Location:	DANBURY, CT	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	77,8260B		
Analytical Date:	08/02/11 17:28		
Analyst:	BN		
Percent Solids:	66%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics by 5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	14	--	1
1,1-Dichloroethane	ND		ug/kg	2.1	--	1
Chloroform	ND		ug/kg	2.1	--	1
Carbon tetrachloride	ND		ug/kg	1.4	--	1
1,2-Dichloropropane	ND		ug/kg	4.8	--	1
Dibromochloromethane	ND		ug/kg	1.4	--	1
1,1,2-Trichloroethane	ND		ug/kg	2.1	--	1
Tetrachloroethene	2.4		ug/kg	1.4	--	1
Chlorobenzene	ND		ug/kg	1.4	--	1
Trichlorofluoromethane	ND		ug/kg	6.9	--	1
1,2-Dichloroethane	ND		ug/kg	1.4	--	1
1,1,1-Trichloroethane	2.7		ug/kg	1.4	--	1
Bromodichloromethane	ND		ug/kg	1.4	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	--	1
cis-1,3-Dichloropropene	ND		ug/kg	1.4	--	1
1,1-Dichloropropene	ND		ug/kg	6.9	--	1
Bromoform	ND		ug/kg	5.5	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.4	--	1
Benzene	ND		ug/kg	1.4	--	1
Toluene	ND		ug/kg	2.1	--	1
Ethylbenzene	ND		ug/kg	1.4	--	1
Chloromethane	ND		ug/kg	6.9	--	1
Bromomethane	ND		ug/kg	2.8	--	1
Vinyl chloride	ND		ug/kg	2.8	--	1
Chloroethane	ND		ug/kg	2.8	--	1
1,1-Dichloroethene	ND		ug/kg	1.4	--	1
trans-1,2-Dichloroethene	ND		ug/kg	2.1	--	1
Trichloroethene	34		ug/kg	1.4	--	1
1,2-Dichlorobenzene	ND		ug/kg	6.9	--	1
1,3-Dichlorobenzene	ND		ug/kg	6.9	--	1
1,4-Dichlorobenzene	ND		ug/kg	6.9	--	1

Project Name: RISDON **Lab Number:** L1111417

Project Number: 97001.01 **Report Date:** 08/09/11

SAMPLE RESULTS

Lab ID: L1111417-01 Date Collected: 07/27/11 10:00

Client ID: DRUM COMP 1 Date Received: 07/28/11

Sample Location: DANBURY, CT Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics by 5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.8	--	1
p/m-Xylene	ND		ug/kg	2.8	--	1
o-Xylene	ND		ug/kg	2.8	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	--	1
Dibromomethane	ND		ug/kg	14	--	1
1,2,3-Trichloropropane	ND		ug/kg	14	--	1
Styrene	ND		ug/kg	2.8	--	1
Dichlorodifluoromethane	ND		ug/kg	14	--	1
Acetone	73		ug/kg	50	--	1
Carbon disulfide	ND		ug/kg	69	--	1
2-Butanone	ND		ug/kg	14	--	1
4-Methyl-2-pentanone	ND		ug/kg	14	--	1
2-Hexanone	ND		ug/kg	14	--	1
Acrylonitrile	ND		ug/kg	5.5	--	1
Tetrahydrofuran	ND		ug/kg	28	--	1
2,2-Dichloropropane	ND		ug/kg	6.9	--	1
1,2-Dibromoethane	ND		ug/kg	5.5	--	1
1,3-Dichloropropane	ND		ug/kg	6.9	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.4	--	1
Bromobenzene	ND		ug/kg	6.9	--	1
n-Butylbenzene	ND		ug/kg	1.4	--	1
sec-Butylbenzene	ND		ug/kg	1.4	--	1
tert-Butylbenzene	ND		ug/kg	6.9	--	1
o-Chlorotoluene	ND		ug/kg	6.9	--	1
p-Chlorotoluene	ND		ug/kg	6.9	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.9	--	1
Hexachlorobutadiene	ND		ug/kg	6.9	--	1
Isopropylbenzene	ND		ug/kg	1.4	--	1
p-Isopropyltoluene	ND		ug/kg	1.4	--	1
Naphthalene	8.7		ug/kg	6.9	--	1
n-Propylbenzene	ND		ug/kg	1.4	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.9	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.9	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.9	--	1
1,2,4-Trimethylbenzene	11		ug/kg	6.9	--	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.9	--	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	5.5	--	1

Project Name: RISDON **Lab Number:** L1111417

Project Number: 97001.01 **Report Date:** 08/09/11

SAMPLE RESULTS

Lab ID:	L1111417-01	Date Collected:	07/27/11 10:00
Client ID:	DRUM COMP 1	Date Received:	07/28/11
Sample Location:	DANBURY, CT	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics by 5035 - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	**9**	Q	70-130

Project Name: RISDON **Lab Number:** L1111417

Project Number: 97001.01 **Report Date:** 08/09/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8260B
Analytical Date: 08/02/11 09:20
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Volatile Organics by 5035 - Westborough Lab for sample(s): 01 Batch: WG482528-3					
Methylene chloride	ND		ug/kg	10	--
1,1-Dichloroethane	ND		ug/kg	1.5	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	3.5	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.5	--
Tetrachloroethene	ND		ug/kg	1.0	--
Chlorobenzene	ND		ug/kg	1.0	--
Trichlorofluoromethane	ND		ug/kg	5.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	1.0	--
Bromodichloromethane	ND		ug/kg	1.0	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	1.0	--
1,1-Dichloropropene	ND		ug/kg	5.0	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	--
Benzene	ND		ug/kg	1.0	--
Toluene	ND		ug/kg	1.5	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	5.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	2.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	1.0	--
1,2-Dichlorobenzene	ND		ug/kg	5.0	--
1,3-Dichlorobenzene	ND		ug/kg	5.0	--
1,4-Dichlorobenzene	ND		ug/kg	5.0	--

Project Name: RISDON **Lab Number:** L1111417

Project Number: 97001.01 **Report Date:** 08/09/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8260B
Analytical Date: 08/02/11 09:20
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Volatile Organics by 5035 - Westborough Lab for sample(s): 01 Batch: WG482528-3					
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	2.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	10	--
1,2,3-Trichloropropane	ND		ug/kg	10	--
Styrene	ND		ug/kg	2.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	36	--
Carbon disulfide	ND		ug/kg	50	--
2-Butanone	ND		ug/kg	10	--
4-Methyl-2-pentanone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Acrylonitrile	ND		ug/kg	4.0	--
Tetrahydrofuran	ND		ug/kg	20	--
2,2-Dichloropropane	ND		ug/kg	5.0	--
1,2-Dibromoethane	ND		ug/kg	4.0	--
1,3-Dichloropropane	ND		ug/kg	5.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	--
Bromobenzene	ND		ug/kg	5.0	--
n-Butylbenzene	ND		ug/kg	1.0	--
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	5.0	--
o-Chlorotoluene	ND		ug/kg	5.0	--
p-Chlorotoluene	ND		ug/kg	5.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	--
Hexachlorobutadiene	ND		ug/kg	5.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	5.0	--
n-Propylbenzene	ND		ug/kg	1.0	--

Project Name: RISDON **Lab Number:** L1111417

Project Number: 97001.01 **Report Date:** 08/09/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8260B
Analytical Date: 08/02/11 09:20
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Volatile Organics by 5035 - Westborough Lab for sample(s): 01 Batch: WG482528-3					
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	--
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	--
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	4.0	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	91		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.01

Lab Number: L1111417
Report Date: 08/09/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Volatile Organics by 5035 - Westborough Lab Associated sample(s): 01 Batch: WG482528-1 WG482528-2								
Methylene chloride	92		88		70-130	4		30
1,1-Dichloroethane	92		91		70-130	1		30
Chloroform	91		88		70-130	3		30
Carbon tetrachloride	92		89		70-130	3		30
1,2-Dichloropropane	96		94		70-130	2		30
Dibromochloromethane	94		91		70-130	3		30
1,1,2-Trichloroethane	93		91		70-130	2		30
Tetrachloroethene	100		95		70-130	5		30
Chlorobenzene	96		94		70-130	2		30
Trichlorofluoromethane	93		86		70-130	8		30
1,2-Dichloroethane	84		83		70-130	1		30
1,1,1-Trichloroethane	92		89		70-130	3		30
Bromodichloromethane	91		89		70-130	2		30
trans-1,3-Dichloropropene	96		94		70-130	2		30
cis-1,3-Dichloropropene	95		93		70-130	2		30
1,1-Dichloropropene	92		90		70-130	2		30
Bromoform	108		108		70-130	0		30
1,1,2,2-Tetrachloroethane	102		99		70-130	3		30
Benzene	97		96		70-130	1		30
Toluene	95		92		70-130	3		30
Ethylbenzene	98		95		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.01

Lab Number: L1111417
Report Date: 08/09/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Volatile Organics by 5035 - Westborough Lab Associated sample(s): 01 Batch: WG482528-1 WG482528-2								
Chloromethane	80		72		70-130	11		30
Bromomethane	92		84		70-130	9		30
Vinyl chloride	80		74		70-130	8		30
Chloroethane	84		82		70-130	2		30
1,1-Dichloroethene	98		93		70-130	5		30
trans-1,2-Dichloroethene	96		93		70-130	3		30
Trichloroethene	92		89		70-130	3		30
1,2-Dichlorobenzene	101		100		70-130	1		30
1,3-Dichlorobenzene	104		101		70-130	3		30
1,4-Dichlorobenzene	104		101		70-130	3		30
Methyl tert butyl ether	106		100		70-130	6		30
p/m-Xylene	100		97		70-130	3		30
o-Xylene	104		103		70-130	1		30
cis-1,2-Dichloroethene	97		94		70-130	3		30
Dibromomethane	91		85		70-130	7		30
1,2,3-Trichloropropane	96		94		70-130	2		30
Styrene	106		105		70-130	1		30
Dichlorodifluoromethane	94		86		70-130	9		30
Acetone	75		75		70-130	0		30
Carbon disulfide	91		86		70-130	6		30
2-Butanone	71		71		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.01

Lab Number: L1111417
Report Date: 08/09/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Volatile Organics by 5035 - Westborough Lab Associated sample(s): 01 Batch: WG482528-1 WG482528-2								
4-Methyl-2-pentanone	95		92		70-130	3		30
2-Hexanone	84		84		70-130	0		30
Acrylonitrile	88		83		70-130	6		30
Tetrahydrofuran	88		82		70-130	7		30
2,2-Dichloropropane	103		97		70-130	6		30
1,2-Dibromoethane	91		88		70-130	3		30
1,3-Dichloropropane	95		93		70-130	2		30
1,1,1,2-Tetrachloroethane	97		94		70-130	3		30
Bromobenzene	104		103		70-130	1		30
n-Butylbenzene	101		100		70-130	1		30
sec-Butylbenzene	104		102		70-130	2		30
tert-Butylbenzene	104		102		70-130	2		30
o-Chlorotoluene	98		96		70-130	2		30
p-Chlorotoluene	99		97		70-130	2		30
1,2-Dibromo-3-chloropropane	88		86		70-130	2		30
Hexachlorobutadiene	100		98		70-130	2		30
Isopropylbenzene	99		96		70-130	3		30
p-Isopropyltoluene	110		108		70-130	2		30
Naphthalene	103		103		70-130	0		30
n-Propylbenzene	103		101		70-130	2		30
1,2,3-Trichlorobenzene	105		104		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.01
Lab Number: L1111417
Report Date: 08/09/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Volatile Organics by 5035 - Westborough Lab Associated sample(s): 01 Batch: WG482528-1 WG482528-2								
1,2,4-Trichlorobenzene	109		107		70-130	2		30
1,3,5-Trimethylbenzene	101		98		70-130	3		30
1,2,4-Trimethylbenzene	104		103		70-130	1		30
trans-1,4-Dichloro-2-butene	92		92		70-130	0		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	99		94		70-130	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	89		88		70-130
Toluene-d8	101		103		70-130
4-Bromofluorobenzene	95		97		70-130
Dibromofluoromethane	94		97		70-130

SEMIVOLATILES

Project Name: RISDON
Project Number: 97001.01
Lab Number: L1111417
Report Date: 08/09/11

SAMPLE RESULTS

Lab ID:	L1111417-01	Date Collected:	07/27/11 10:00
Client ID:	DRUM COMP 1	Date Received:	07/28/11
Sample Location:	DANBURY, CT	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	77,8270C	Extraction Date:	08/01/11 23:10
Analytical Date:	08/03/11 19:46		
Analyst:	RC		
Percent Solids:	66%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	400	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	500	--	1
Hexachlorobenzene	ND		ug/kg	300	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	500	--	1
2-Chloronaphthalene	ND		ug/kg	500	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	500	--	1
2,4-Dinitrotoluene	ND		ug/kg	500	--	1
2,6-Dinitrotoluene	ND		ug/kg	500	--	1
Fluoranthene	ND		ug/kg	300	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	500	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	590	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	500	--	1
Hexachlorobutadiene	ND		ug/kg	500	--	1
Hexachloroethane	ND		ug/kg	400	--	1
Isophorone	ND		ug/kg	500	--	1
Naphthalene	ND		ug/kg	500	--	1
Nitrobenzene	ND		ug/kg	500	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	500	--	1
Butyl benzyl phthalate	ND		ug/kg	500	--	1
Di-n-butylphthalate	ND		ug/kg	500	--	1
Di-n-octylphthalate	ND		ug/kg	500	--	1
Diethyl phthalate	ND		ug/kg	500	--	1
Dimethyl phthalate	ND		ug/kg	500	--	1
Benzo(a)anthracene	ND		ug/kg	300	--	1
Benzo(a)pyrene	ND		ug/kg	400	--	1
Benzo(b)fluoranthene	ND		ug/kg	300	--	1
Benzo(k)fluoranthene	ND		ug/kg	300	--	1
Chrysene	ND		ug/kg	300	--	1
Acenaphthylene	ND		ug/kg	400	--	1
Anthracene	ND		ug/kg	300	--	1
Benzo(ghi)perylene	ND		ug/kg	400	--	1

Project Name: RISDON **Lab Number:** L1111417

Project Number: 97001.01 **Report Date:** 08/09/11

SAMPLE RESULTS

Lab ID: L1111417-01 Date Collected: 07/27/11 10:00

Client ID: DRUM COMP 1 Date Received: 07/28/11

Sample Location: DANBURY, CT Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Semivolatile Organics - Westborough Lab						
Fluorene	ND		ug/kg	500	--	1
Phenanthrene	ND		ug/kg	300	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	300	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	400	--	1
Pyrene	ND		ug/kg	300	--	1
Aniline	ND		ug/kg	590	--	1
4-Chloroaniline	ND		ug/kg	500	--	1
Dibenzofuran	ND		ug/kg	500	--	1
2-Methylnaphthalene	ND		ug/kg	590	--	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	500	--	1
Pentachloronitrobenzene	ND		ug/kg	500	--	1
2,4,6-Trichlorophenol	ND		ug/kg	300	--	1
2-Chlorophenol	ND		ug/kg	500	--	1
2,4-Dichlorophenol	ND		ug/kg	500	--	1
2,4-Dimethylphenol	ND		ug/kg	500	--	1
2-Nitrophenol	ND		ug/kg	1100	--	1
4-Nitrophenol	ND		ug/kg	690	--	1
2,4-Dinitrophenol	ND		ug/kg	2400	--	1
Pentachlorophenol	ND		ug/kg	400	--	1
Phenol	ND		ug/kg	500	--	1
2-Methylphenol	ND		ug/kg	500	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	690	--	1
2,4,5-Trichlorophenol	ND		ug/kg	500	--	1
Pyridine	ND		ug/kg	2000	--	1
4-Chlorophenyl phenyl ether	ND		ug/kg	500	--	1
Hexachlorocyclopentadiene	ND		ug/kg	1400	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	400	--	1
n-Nitrosodi-n-propylamine	ND		ug/kg	500	--	1
2-Nitroaniline	ND		ug/kg	500	--	1
3-Nitroaniline	ND		ug/kg	500	--	1
4-Nitroaniline	ND		ug/kg	500	--	1
P-Chloro-M-Cresol	ND		ug/kg	500	--	1
4,6-Dinitro-o-cresol	ND		ug/kg	1300	--	1
Carbazole	ND		ug/kg	500	--	1

Project Name: RISDON **Lab Number:** L1111417

Project Number: 97001.01 **Report Date:** 08/09/11

SAMPLE RESULTS

Lab ID:	L1111417-01	Date Collected:	07/27/11 10:00
Client ID:	DRUM COMP 1	Date Received:	07/28/11
Sample Location:	DANBURY, CT	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

CT RCP Semivolatile Organics - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**26**	Q	30-130
Phenol-d6	63		30-130
Nitrobenzene-d5	65		30-130
2-Fluorobiphenyl	75		30-130
2,4,6-Tribromophenol	60		30-130
4-Terphenyl-d14	84		30-130

Project Name: RISDON **Lab Number:** L1111417

Project Number: 97001.01 **Report Date:** 08/09/11

SAMPLE RESULTS

Lab ID:	L1111417-01	RE	Date Collected:	07/27/11 10:00
Client ID:	DRUM COMP 1		Date Received:	07/28/11
Sample Location:	DANBURY, CT		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	77,8270C		Extraction Date:	08/04/11 11:42
Analytical Date:	08/04/11 16:18			
Analyst:	RC			
Percent Solids:	66%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	360	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	450	--	1
Hexachlorobenzene	ND		ug/kg	270	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	450	--	1
2-Chloronaphthalene	ND		ug/kg	450	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	450	--	1
2,4-Dinitrotoluene	ND		ug/kg	450	--	1
2,6-Dinitrotoluene	ND		ug/kg	450	--	1
Fluoranthene	ND		ug/kg	270	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	450	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	540	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	450	--	1
Hexachlorobutadiene	ND		ug/kg	450	--	1
Hexachloroethane	ND		ug/kg	360	--	1
Isophorone	ND		ug/kg	450	--	1
Naphthalene	ND		ug/kg	450	--	1
Nitrobenzene	ND		ug/kg	450	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	450	--	1
Butyl benzyl phthalate	ND		ug/kg	450	--	1
Di-n-butylphthalate	ND		ug/kg	450	--	1
Di-n-octylphthalate	ND		ug/kg	450	--	1
Diethyl phthalate	ND		ug/kg	450	--	1
Dimethyl phthalate	ND		ug/kg	450	--	1
Benzo(a)anthracene	ND		ug/kg	270	--	1
Benzo(a)pyrene	ND		ug/kg	360	--	1
Benzo(b)fluoranthene	ND		ug/kg	270	--	1
Benzo(k)fluoranthene	ND		ug/kg	270	--	1
Chrysene	ND		ug/kg	270	--	1
Acenaphthylene	ND		ug/kg	360	--	1
Anthracene	ND		ug/kg	270	--	1
Benzo(ghi)perylene	ND		ug/kg	360	--	1

Project Name: RISDON **Lab Number:** L1111417

Project Number: 97001.01 **Report Date:** 08/09/11

SAMPLE RESULTS

Lab ID: L1111417-01 RE Date Collected: 07/27/11 10:00

Client ID: DRUM COMP 1 Date Received: 07/28/11

Sample Location: DANBURY, CT Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Semivolatile Organics - Westborough Lab						
Fluorene	ND		ug/kg	450	--	1
Phenanthrene	ND		ug/kg	270	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	270	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	360	--	1
Pyrene	ND		ug/kg	270	--	1
Aniline	ND		ug/kg	540	--	1
4-Chloroaniline	ND		ug/kg	450	--	1
Dibenzofuran	ND		ug/kg	450	--	1
2-Methylnaphthalene	ND		ug/kg	540	--	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	450	--	1
Pentachloronitrobenzene	ND		ug/kg	450	--	1
2,4,6-Trichlorophenol	ND		ug/kg	270	--	1
2-Chlorophenol	ND		ug/kg	450	--	1
2,4-Dichlorophenol	ND		ug/kg	450	--	1
2,4-Dimethylphenol	ND		ug/kg	450	--	1
2-Nitrophenol	ND		ug/kg	1000	--	1
4-Nitrophenol	ND		ug/kg	630	--	1
2,4-Dinitrophenol	ND		ug/kg	2200	--	1
Pentachlorophenol	ND		ug/kg	360	--	1
Phenol	ND		ug/kg	450	--	1
2-Methylphenol	ND		ug/kg	450	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	630	--	1
2,4,5-Trichlorophenol	ND		ug/kg	450	--	1
Pyridine	ND		ug/kg	1800	--	1
4-Chlorophenyl phenyl ether	ND		ug/kg	450	--	1
Hexachlorocyclopentadiene	ND		ug/kg	1300	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	360	--	1
n-Nitrosodi-n-propylamine	ND		ug/kg	450	--	1
2-Nitroaniline	ND		ug/kg	450	--	1
3-Nitroaniline	ND		ug/kg	450	--	1
4-Nitroaniline	ND		ug/kg	450	--	1
P-Chloro-M-Cresol	ND		ug/kg	450	--	1
4,6-Dinitro-o-cresol	ND		ug/kg	1200	--	1
Carbazole	ND		ug/kg	450	--	1

Project Name: RISDON **Lab Number:** L1111417

Project Number: 97001.01 **Report Date:** 08/09/11

SAMPLE RESULTS

Lab ID:	L1111417-01	RE	Date Collected:	07/27/11 10:00
Client ID:	DRUM COMP 1		Date Received:	07/28/11
Sample Location:	DANBURY, CT		Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

CT RCP Semivolatile Organics - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**1**	Q	30-130
Phenol-d6	**12**	Q	30-130
Nitrobenzene-d5	**25**	Q	30-130
2-Fluorobiphenyl	33		30-130
2,4,6-Tribromophenol	**0**	Q	30-130
4-Terphenyl-d14	41		30-130

Project Name: RISDON
Project Number: 97001.01

Lab Number: L1111417
Report Date: 08/09/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8270C
Analytical Date: 08/03/11 10:43
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 08/01/11 23:10

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Semivolatile Organics - Westborough Lab for sample(s): 01 Batch: WG482245-1					
Acenaphthene	ND		ug/kg	270	--
1,2,4-Trichlorobenzene	ND		ug/kg	330	--
Hexachlorobenzene	ND		ug/kg	200	--
Bis(2-chloroethyl)ether	ND		ug/kg	330	--
2-Chloronaphthalene	ND		ug/kg	330	--
3,3'-Dichlorobenzidine	ND		ug/kg	330	--
2,4-Dinitrotoluene	ND		ug/kg	330	--
2,6-Dinitrotoluene	ND		ug/kg	330	--
Fluoranthene	ND		ug/kg	200	--
4-Bromophenyl phenyl ether	ND		ug/kg	330	--
Bis(2-chloroisopropyl)ether	ND		ug/kg	400	--
Bis(2-chloroethoxy)methane	ND		ug/kg	330	--
Hexachlorobutadiene	ND		ug/kg	330	--
Hexachloroethane	ND		ug/kg	270	--
Isophorone	ND		ug/kg	330	--
Naphthalene	ND		ug/kg	330	--
Nitrobenzene	ND		ug/kg	330	--
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	330	--
Butyl benzyl phthalate	ND		ug/kg	330	--
Di-n-butylphthalate	ND		ug/kg	330	--
Di-n-octylphthalate	ND		ug/kg	330	--
Diethyl phthalate	ND		ug/kg	330	--
Dimethyl phthalate	ND		ug/kg	330	--
Benzo(a)anthracene	ND		ug/kg	200	--
Benzo(a)pyrene	ND		ug/kg	270	--
Benzo(b)fluoranthene	ND		ug/kg	200	--
Benzo(k)fluoranthene	ND		ug/kg	200	--
Chrysene	ND		ug/kg	200	--
Acenaphthylene	ND		ug/kg	270	--
Anthracene	ND		ug/kg	200	--
Benzo(ghi)perylene	ND		ug/kg	270	--

Project Name: RISDON
Project Number: 97001.01

Lab Number: L1111417
Report Date: 08/09/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8270C
Analytical Date: 08/03/11 10:43
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 08/01/11 23:10

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Semivolatile Organics - Westborough Lab for sample(s): 01 Batch: WG482245-1					
Fluorene	ND		ug/kg	330	--
Phenanthrene	ND		ug/kg	200	--
Dibenzo(a,h)anthracene	ND		ug/kg	200	--
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	270	--
Pyrene	ND		ug/kg	200	--
Aniline	ND		ug/kg	400	--
4-Chloroaniline	ND		ug/kg	330	--
Dibenzofuran	ND		ug/kg	330	--
2-Methylnaphthalene	ND		ug/kg	400	--
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	330	--
Pentachloronitrobenzene	ND		ug/kg	330	--
2,4,6-Trichlorophenol	ND		ug/kg	200	--
2-Chlorophenol	ND		ug/kg	330	--
2,4-Dichlorophenol	ND		ug/kg	330	--
2,4-Dimethylphenol	ND		ug/kg	330	--
2-Nitrophenol	ND		ug/kg	730	--
4-Nitrophenol	ND		ug/kg	470	--
2,4-Dinitrophenol	ND		ug/kg	1600	--
Pentachlorophenol	ND		ug/kg	270	--
Phenol	ND		ug/kg	330	--
2-Methylphenol	ND		ug/kg	330	--
3-Methylphenol/4-Methylphenol	ND		ug/kg	470	--
2,4,5-Trichlorophenol	ND		ug/kg	330	--
Pyridine	ND		ug/kg	1300	--
4-Chlorophenyl phenyl ether	ND		ug/kg	330	--
Hexachlorocyclopentadiene	ND		ug/kg	930	--
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	270	--
n-Nitrosodi-n-propylamine	ND		ug/kg	330	--
2-Nitroaniline	ND		ug/kg	330	--
3-Nitroaniline	ND		ug/kg	330	--
4-Nitroaniline	ND		ug/kg	330	--

Project Name: RISDON
Project Number: 97001.01

Lab Number: L1111417
Report Date: 08/09/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8270C
Analytical Date: 08/03/11 10:43
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 08/01/11 23:10

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Semivolatile Organics - Westborough Lab for sample(s): 01 Batch: WG482245-1					
P-Chloro-M-Cresol	ND		ug/kg	330	--
4,6-Dinitro-o-cresol	ND		ug/kg	870	--
Carbazole	ND		ug/kg	330	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		30-130
Phenol-d6	69		30-130
Nitrobenzene-d5	68		30-130
2-Fluorobiphenyl	78		30-130
2,4,6-Tribromophenol	83		30-130
4-Terphenyl-d14	90		30-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.01

Lab Number: L1111417
Report Date: 08/09/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Semivolatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG482245-2 WG482245-3								
Acenaphthene	77		58		40-140	28		30
1,2,4-Trichlorobenzene	74		47		40-140	**45**	Q	30
Hexachlorobenzene	92		75		40-140	20		30
Bis(2-chloroethyl)ether	60		**38**	Q	40-140	**45**	Q	30
2-Chloronaphthalene	99		74		40-140	29		30
3,3'-Dichlorobenzidine	74		55		40-140	29		30
2,4-Dinitrotoluene	105		79		40-140	28		30
2,6-Dinitrotoluene	94		80		40-140	16		30
Fluoranthene	87		68		40-140	25		30
4-Bromophenyl phenyl ether	90		69		40-140	26		30
Bis(2-chloroisopropyl)ether	47		**30**	Q	40-140	**44**	Q	30
Bis(2-chloroethoxy)methane	69		41		40-140	**51**	Q	30
Hexachlorobutadiene	76		51		40-140	**39**	Q	30
Hexachloroethane	65		40		40-140	**48**	Q	30
Isophorone	69		44		40-140	**44**	Q	30
Naphthalene	70		48		40-140	**37**	Q	30
Nitrobenzene	74		48		40-140	**43**	Q	30
Bis(2-Ethylhexyl)phthalate	89		69		40-140	25		30
Butyl benzyl phthalate	87		70		40-140	22		30
Di-n-butylphthalate	88		68		40-140	26		30
Di-n-octylphthalate	83		68		40-140	20		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.01

Lab Number: L1111417
Report Date: 08/09/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Semivolatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG482245-2 WG482245-3								
Diethyl phthalate	89		70		40-140	24		30
Dimethyl phthalate	85		70		40-140	19		30
Benzo(a)anthracene	84		67		40-140	23		30
Benzo(a)pyrene	82		64		40-140	25		30
Benzo(b)fluoranthene	94		76		40-140	21		30
Benzo(k)fluoranthene	89		70		40-140	24		30
Chrysene	86		68		40-140	23		30
Acenaphthylene	80		64		40-140	22		30
Anthracene	87		67		40-140	26		30
Benzo(ghi)perylene	90		72		40-140	22		30
Fluorene	84		65		40-140	26		30
Phenanthrene	86		65		40-140	28		30
Dibenzo(a,h)anthracene	97		73		40-140	28		30
Indeno(1,2,3-cd)Pyrene	90		72		40-140	22		30
Pyrene	86		68		40-140	23		30
Aniline	**35**	Q	**19**	Q	40-140	**59**	Q	30
4-Chloroaniline	55		**39**	Q	40-140	**34**	Q	30
Dibenzofuran	84		60		40-140	**33**	Q	30
2-Methylnaphthalene	74		52		40-140	**35**	Q	30
1,2,4,5-Tetrachlorobenzene	81		57		40-140	**35**	Q	30
Pentachloronitrobenzene	115		90		40-140	24		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.01

Lab Number: L1111417
Report Date: 08/09/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Semivolatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG482245-2 WG482245-3								
2,4,6-Trichlorophenol	88		70		30-130	23		30
2-Chlorophenol	74		48		30-130	**43**	Q	30
2,4-Dichlorophenol	86		60		30-130	**36**	Q	30
2,4-Dimethylphenol	75		53		30-130	**34**	Q	30
2-Nitrophenol	80		51		30-130	**44**	Q	30
4-Nitrophenol	97		74		30-130	27		30
2,4-Dinitrophenol	53		**29**	Q	30-130	**59**	Q	30
Pentachlorophenol	60		48		30-130	22		30
Phenol	67		42		30-130	**46**	Q	30
2-Methylphenol	74		46		30-130	**47**	Q	30
3-Methylphenol/4-Methylphenol	76		49		30-130	**43**	Q	30
2,4,5-Trichlorophenol	84		72		30-130	15		30
Pyridine	**33**	Q	**24**	Q	40-140	**32**	Q	30
4-Chlorophenyl phenyl ether	85		67		40-140	24		30
Hexachlorocyclopentadiene	**39**	Q	**29**	Q	40-140	29		30
NitrosoDiPhenylAmine(NDPA)/DPA	76		63		40-140	19		30
n-Nitrosodi-n-propylamine	67		40		40-140	**50**	Q	30
2-Nitroaniline	101		81		40-140	22		30
3-Nitroaniline	83		63		40-140	27		30
4-Nitroaniline	92		69		40-140	29		30
P-Chloro-M-Cresol	86		70		30-130	21		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RISDON

Project Number: 97001.01

Lab Number: L1111417

Report Date: 08/09/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Semivolatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG482245-2 WG482245-3								
4,6-Dinitro-o-cresol	75		65		30-130	14		30
Carbazole	85		63		40-140	30		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	67		49		30-130
Phenol-d6	70		50		30-130
Nitrobenzene-d5	70		50		30-130
2-Fluorobiphenyl	77		64		30-130
2,4,6-Tribromophenol	96		85		30-130
4-Terphenyl-d14	91		81		30-130

PETROLEUM HYDROCARBONS

Project Name: RISDON
Project Number: 97001.01
Lab Number: L1111417
Report Date: 08/09/11

SAMPLE RESULTS

Lab ID:	L1111417-01	Date Collected:	07/27/11 10:00
Client ID:	DRUM COMP 1	Date Received:	07/28/11
Sample Location:	DANBURY, CT	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015B(M)	Extraction Date:	08/04/11 02:15
Analytical Date:	08/04/11 12:37		
Analyst:	NH		
Percent Solids:	66%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	138000		ug/kg	49800	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	63		40-140

Project Name: RISDON
Project Number: 97001.01

Lab Number: L1111417
Report Date: 08/09/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015B(M)
Analytical Date: 08/04/11 11:01
Analyst: NH

Extraction Method: EPA 3546
Extraction Date: 08/04/11 02:15

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01 Batch: WG482726-1					
TPH	ND		ug/kg	33300	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	73		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: RISDON

Project Number: 97001.01

Lab Number: L1111417

Report Date: 08/09/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01 Batch: WG482726-2								
TPH	88		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	95				40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.01

Lab Number: L1111417
Report Date: 08/09/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01 QC Batch ID: WG482726-3 QC Sample: L1111417-01 Client ID: DRUM COMP 1						
TPH	138000	93800	ug/kg	38		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	63		84		40-140

PCBS

Project Name: RISDON
Project Number: 97001.01
Lab Number: L1111417
Report Date: 08/09/11

SAMPLE RESULTS

Lab ID:	L1111417-01	Date Collected:	07/27/11 10:00
Client ID:	DRUM COMP 1	Date Received:	07/28/11
Sample Location:	DANBURY, CT	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	77,8082	Extraction Date:	08/01/11 22:05
Analytical Date:	08/02/11 14:17	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	08/02/11
Percent Solids:	66%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	08/02/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Polychlorinated Biphenyls - Westborough Lab						
Aroclor 1016	ND		ug/kg	48.5	--	1
Aroclor 1221	ND		ug/kg	48.5	--	1
Aroclor 1232	ND		ug/kg	48.5	--	1
Aroclor 1242	ND		ug/kg	48.5	--	1
Aroclor 1248	ND		ug/kg	48.5	--	1
Aroclor 1254	ND		ug/kg	48.5	--	1
Aroclor 1260	ND		ug/kg	48.5	--	1
Aroclor 1262	ND		ug/kg	48.5	--	1
Aroclor 1268	ND		ug/kg	48.5	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	81		30-150
Decachlorobiphenyl	92		30-150
2,4,5,6-Tetrachloro-m-xylene	78		30-150
Decachlorobiphenyl	95		30-150

Project Name: RISDON

Project Number: 97001.01

Lab Number: L1111417

Report Date: 08/09/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8082
Analytical Date: 08/02/11 14:29
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 08/01/11 22:05
Cleanup Method1: EPA 3665A
Cleanup Date1: 08/02/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 08/02/11

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01 Batch: WG482233-1					
Aroclor 1016	ND		ug/kg	33.3	--
Aroclor 1221	ND		ug/kg	33.3	--
Aroclor 1232	ND		ug/kg	33.3	--
Aroclor 1242	ND		ug/kg	33.3	--
Aroclor 1248	ND		ug/kg	33.3	--
Aroclor 1254	ND		ug/kg	33.3	--
Aroclor 1260	ND		ug/kg	33.3	--
Aroclor 1262	ND		ug/kg	33.3	--
Aroclor 1268	ND		ug/kg	33.3	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	61		30-150
Decachlorobiphenyl	63		30-150
2,4,5,6-Tetrachloro-m-xylene	54		30-150
Decachlorobiphenyl	59		30-150

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.01
Lab Number: L1111417
Report Date: 08/09/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01 Batch: WG482233-2 WG482233-3								
Aroclor 1016	90		96		40-140	6		50
Aroclor 1260	85		91		40-140	7		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	58		86		30-150
Decachlorobiphenyl	61		92		30-150
2,4,5,6-Tetrachloro-m-xylene	56		82		30-150
Decachlorobiphenyl	58		87		30-150

METALS

Project Name:	RISDON	**Lab Number:**	L1111417
Project Number:	97001.01	**Report Date:**	08/09/11

SAMPLE RESULTS

Lab ID:	L1111417-01	Date Collected:	07/27/11 10:00
Client ID:	DRUM COMP 1	Date Received:	07/28/11
Sample Location:	DANBURY, CT	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	07/29/11 21:00
Percent Solids:	66%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
CT RCP TCLP Metals - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	--	1	07/30/11 19:30	08/03/11 02:13	EPA 3015	77,6010B	MG
Barium, TCLP	0.51		mg/l	0.50	--	1	07/30/11 19:30	08/03/11 02:13	EPA 3015	77,6010B	MG
Cadmium, TCLP	ND		mg/l	0.10	--	1	07/30/11 19:30	08/03/11 02:13	EPA 3015	77,6010B	MG
Chromium, TCLP	ND		mg/l	0.20	--	1	07/30/11 19:30	08/03/11 02:13	EPA 3015	77,6010B	MG
Lead, TCLP	ND		mg/l	0.50	--	1	07/30/11 19:30	08/03/11 02:13	EPA 3015	77,6010B	MG
Mercury, TCLP	ND		mg/l	0.0010	--	1	08/01/11 14:10	08/02/11 16:12	EPA 7470A	77,7470A	JP
Selenium, TCLP	ND		mg/l	0.50	--	1	07/30/11 19:30	08/03/11 02:13	EPA 3015	77,6010B	MG
Silver, TCLP	ND		mg/l	0.10	--	1	07/30/11 19:30	08/03/11 02:13	EPA 3015	77,6010B	MG

Project Name: RISDON
Project Number: 97001.01
Lab Number: L1111417
Report Date: 08/09/11

SAMPLE RESULTS

Lab ID: L1111417-01
Client ID: DRUM COMP 1
Sample Location: DANBURY, CT
Matrix: Soil
Percent Solids: 66%

Date Collected: 07/27/11 10:00
Date Received: 07/28/11
Field Prep: Not Specified
TCLP/SPLP Ext. Date:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
CT RCP Total Metals - Westborough Lab											
Arsenic, Total	2.4		mg/kg	0.59	--	1	08/02/11 08:50	08/03/11 14:41	EPA 3050B	77,6010B	MG
Barium, Total	100		mg/kg	0.59	--	1	08/02/11 08:50	08/03/11 14:41	EPA 3050B	77,6010B	MG
Cadmium, Total	ND		mg/kg	0.59	--	1	08/02/11 08:50	08/03/11 14:41	EPA 3050B	77,6010B	MG
Chromium, Total	28		mg/kg	0.59	--	1	08/02/11 08:50	08/03/11 14:41	EPA 3050B	77,6010B	MG
Lead, Total	4.7		mg/kg	2.9	--	1	08/02/11 08:50	08/03/11 14:41	EPA 3050B	77,6010B	MG
Mercury, Total	ND		mg/kg	0.12	--	1	08/01/11 13:10	08/02/11 12:08	EPA 7471A	77,7471A	JP
Selenium, Total	ND		mg/kg	2.9	--	1	08/02/11 08:50	08/03/11 14:41	EPA 3050B	77,6010B	MG
Silver, Total	ND		mg/kg	0.59	--	1	08/02/11 08:50	08/03/11 14:41	EPA 3050B	77,6010B	MG

Project Name: RISDON **Lab Number:** L1111417

Project Number: 97001.01 **Report Date:** 08/09/11

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
CT RCP TCLP Metals - Westborough Lab for sample(s): 01 Batch: WG481992-1										
Arsenic, TCLP	ND		mg/l	1.0	--	1	07/30/11 19:30	08/03/11 02:03	77,6010B	MG
Barium, TCLP	ND		mg/l	0.50	--	1	07/30/11 19:30	08/03/11 02:03	77,6010B	MG
Cadmium, TCLP	ND		mg/l	0.10	--	1	07/30/11 19:30	08/03/11 02:03	77,6010B	MG
Chromium, TCLP	ND		mg/l	0.20	--	1	07/30/11 19:30	08/03/11 02:03	77,6010B	MG
Lead, TCLP	ND		mg/l	0.50	--	1	07/30/11 19:30	08/03/11 02:03	77,6010B	MG
Selenium, TCLP	ND		mg/l	0.50	--	1	07/30/11 19:30	08/03/11 02:03	77,6010B	MG
Silver, TCLP	ND		mg/l	0.10	--	1	07/30/11 19:30	08/03/11 02:03	77,6010B	MG

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 07/29/11 21:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
CT RCP TCLP Metals - Westborough Lab for sample(s): 01 Batch: WG482167-1										
Mercury, TCLP	ND		mg/l	0.0010	--	1	08/01/11 14:10	08/02/11 16:14	77,7470A	JP

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 07/29/11 21:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
CT RCP Total Metals - Westborough Lab for sample(s): 01 Batch: WG482176-1										
Mercury, Total	ND		mg/kg	0.08	--	1	08/01/11 13:10	08/02/11 11:18	77,7471A	JP

Prep Information

Digestion Method: EPA 7471A

Project Name: RISDON **Lab Number:** L1111417

Project Number: 97001.01 **Report Date:** 08/09/11

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
CT RCP Total Metals - Westborough Lab for sample(s): 01 Batch: WG482198-1										
Arsenic, Total	ND		mg/kg	0.40	--	1	08/02/11 08:50	08/03/11 14:28	77,6010B	MG
Barium, Total	ND		mg/kg	0.40	--	1	08/02/11 08:50	08/03/11 14:28	77,6010B	MG
Cadmium, Total	ND		mg/kg	0.40	--	1	08/02/11 08:50	08/03/11 14:28	77,6010B	MG
Chromium, Total	ND		mg/kg	0.40	--	1	08/02/11 08:50	08/03/11 14:28	77,6010B	MG
Lead, Total	ND		mg/kg	2.0	--	1	08/02/11 08:50	08/03/11 14:28	77,6010B	MG
Selenium, Total	ND		mg/kg	2.0	--	1	08/02/11 08:50	08/03/11 14:28	77,6010B	MG
Silver, Total	ND		mg/kg	0.40	--	1	08/02/11 08:50	08/03/11 14:28	77,6010B	MG

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.01

Lab Number: L1111417
Report Date: 08/09/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP TCLP Metals - Westborough Lab Associated sample(s): 01 Batch: WG481992-2								
Arsenic, TCLP	100		-		80-120	-		20
Barium, TCLP	100		-		80-120	-		20
Cadmium, TCLP	100		-		80-120	-		20
Chromium, TCLP	100		-		80-120	-		20
Lead, TCLP	99		-		80-120	-		20
Selenium, TCLP	100		-		80-120	-		20
Silver, TCLP	100		-		80-120	-		20
CT RCP TCLP Metals - Westborough Lab Associated sample(s): 01 Batch: WG482167-2								
Mercury, TCLP	115		-		80-120	-		20
CT RCP Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG482176-2 SRM Lot Number: 0518-10-02								
Mercury, Total	102		-		75-125	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.01

Lab Number: L1111417
Report Date: 08/09/11

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
CT RCP Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG482198-2					
Arsenic, Total	108	-	75-125	-	30
Barium, Total	102	-	75-125	-	30
Cadmium, Total	109	-	75-125	-	30
Chromium, Total	103	-	75-125	-	30
Lead, Total	109	-	75-125	-	30
Selenium, Total	103	-	75-125	-	30
Silver, Total	106	-	75-125	-	30

INORGANICS
&
MISCELLANEOUS

Project Name:	RISDON	**Lab Number:**	L1111417
Project Number:	97001.01	**Report Date:**	08/09/11

SAMPLE RESULTS

Lab ID:	L1111417-01	Date Collected:	07/27/11 10:00
Client ID:	DRUM COMP 1	Date Received:	07/28/11
Sample Location:	DANBURY, CT	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	08/02/11 18:00	1,1030	TL

Project Name: RISDON
Project Number: 97001.01

Lab Number: L1111417
Report Date: 08/09/11

SAMPLE RESULTS

Lab ID: L1111417-01
Client ID: DRUM COMP 1
Sample Location: DANBURY, CT
Matrix: Soil

Date Collected: 07/27/11 10:00
Date Received: 07/28/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance	680		umhos/cm	10	--	1	-	08/01/11 21:00	1,9050A	KK
Solids, Total	66		%	0.10	NA	1	-	07/29/11 09:30	30,2540G	JC
pH	11.4		SU	-	NA	1	-	08/01/11 20:50	1,9045C	KK
Cyanide, Reactive	ND		mg/kg	10	--	1	07/30/11 03:10	07/30/11 06:33	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	--	1	07/30/11 03:10	07/30/11 06:46	1,7.3	TL
CT RCP General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/kg	1.4	--	1	08/02/11 16:00	08/03/11 16:12	77,9014	JO

Project Name: RISDON **Lab Number:** L1111417

Project Number: 97001.01 **Report Date:** 08/09/11

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG481932-1										
Cyanide, Reactive	ND		mg/kg	10	--	1	07/30/11 03:10	07/30/11 06:25	1,7.3	TL
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG481933-1										
Sulfide, Reactive	ND		mg/kg	10	--	1	07/30/11 03:10	07/30/11 06:38	1,7.3	TL
CT RCP General Chemistry - Westborough Lab for sample(s): 01 Batch: WG482400-3										
Cyanide, Total	ND		mg/kg	0.95	--	1	08/02/11 16:00	08/03/11 14:53	77,9014	JO

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.01

Lab Number: L1111417
Report Date: 08/09/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG481932-2								
Cyanide, Reactive	40		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG481933-2								
Sulfide, Reactive	109		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG482221-1								
pH	101		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG482229-1								
Specific Conductance	98		-		80-120	-		
CT RCP General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG482400-1 WG482400-2								
Cyanide, Total	111		105		80-120	6		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.01

Lab Number: L1111417
Report Date: 08/09/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG481773-1 QC Sample: L1111391-07 Client ID: DUP Sample						
Solids, Total	91	91	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG481932-3 QC Sample: L1111391-08 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG481933-3 QC Sample: L1111391-08 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG482221-2 QC Sample: L1111417-01 Client ID: DRUM COMP 1						
pH	11.4	11.3	SU	1		5
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG482229-2 QC Sample: L1111417-01 Client ID: DRUM COMP 1						
Specific Conductance	680	720	umhos/cm	6		20

Project Name: RISDON
Project Number: 97001.01

Lab Number: L1111417
Report Date: 08/09/11

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 07/27/2011 14:00

Cooler Information Custody Seal

Cooler	
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1111417-01A	Amber 250ml unpreserved	A	N/A	4	Y	Absent	CT-8082(14),CT-8270(14),TPH-DRO-D(14)
L1111417-01B	Amber 250ml unpreserved	A	N/A	4	Y	Absent	CT-AG-6010T(180),CT-TCN-9014(14),IGNIT-1030(14),REACTS(14),CT-AS-6010T(180),CT-SE-6010T(180),TS(7),CT-HG-7471T(28),CT-PB-6010T(180),PH-9045(1),CT-BA-6010T(180),CT-CR-6010T(180),REACTCN(14),COND-9050(28),CT-CD-6010T(180)
L1111417-01C	Vial MeOH preserved	B	N/A	2	Y	Absent	CT-8260HLW(14)
L1111417-01D	Vial water preserved	B	N/A	2	Y	Absent	CT-8260HLW(14)
L1111417-01E	Vial water preserved	B	N/A	2	Y	Absent	CT-8260HLW(14)
L1111417-01X	Plastic 250ml HNO3 preserved spl	A	<2	4	Y	Absent	CT-TCLP-CR(180),CT-TCLP-AS(180),CT-TCLP-AG(180),CT-TCLP-CD(180),CT-TCLP-HG(28),CT-TCLP-PB(180),CT-TCLP-BA(180),CT-TCLP-SE(180)

*Values in parentheses indicate holding time in days

Project Name:	RISDON	**Lab Number:**	L1111417
Project Number:	97001.01	**Report Date:**	08/09/11

GLOSSARY

Acronyms

EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
M	- Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
P	- The RPD between the results for the two columns exceeds the method-specified criteria.
Q	- The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less

Project Name:	RISDON	**Lab Number:**	L1111417
Project Number:	97001.01	**Report Date:**	08/09/11

Data Qualifiers

than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name: RISDON **Lab Number:** L1111417
Project Number: 97001.01 **Report Date:** 08/09/11

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

77 Connecticut DEP Quality Assurance and Quality Control Requirements for SW-846 Methods. CTDEP Reasonable Confidence Protocols (RCPs). Version 1.0, July 2005.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised July 28, 2011 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223D, 9222D. Organic Parameters: 608, 8081, 8082, 8330, 8151A, 624, 8260, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014A, 9040B, 9045C, 6010B, 7471A, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8330, 8151A, 8081A, 8082, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl, V,Zn); 245.1, SM4500H,B, EPA 120.1,

SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, 9050A, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3580A, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 6020A, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, 3015, EPA 6010B, 6010C, 7196A, 3060A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8081B, 8082, 8082A, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 7196A, 3060A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 1312, 200.7, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE. Organic Parameters: EPA 3510C, 5030B, 625, 624, 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 6010B, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3545, 3546, 3550B**,** 3580A, 3630C, 5035, 8015B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2¯D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Department of Defense Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 7/28/11

ALPHA Job #: L1111417

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Woodard & Curran
Address: 35 New England Business Center, Andover MA 01810
Phone: 978 557 8150
Fax: 978 557 7998
Email:
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Risdon
Project Location: Danbury CT
Project #: 97001.01
Project Manager: Cathy Rockwell
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 8/4/11 Time:

Report Information - Data Deliverables

☐ FAX ☐ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program CT RSRS Criteria

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All ***CAM*** methods for inorganic analyses require MS every 20 soil samples)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Total Metals	TCLP Metals	TPH	Total PCBs	Total VOCs	Total SVOCs	Flashpoint/Ignitability	Reactive Cyanide	Reactive Sulfide	pH	Specific Conductivity	Sample Specific Comments	TOTAL # BOTTLES
11417.1	Drum Comp 1	7/27/11	10:00	L	WCM	1	1			3	3						* Please see attached list for analysis.	

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Container Type	G	G			V										
Preservative	A	A			F										

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
WCM	7/28/11 2:00	T. Haddad	7/28/11 1300
T. Haddad	7/28/11 1730		7/28/11 1730

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

ALPHA Job # L1111417

Parameter Tested	Test Method Preferred	Test Method Used
Total Metals (mg/kg)		
Arsenic	EPA 7060	EPA 6010 B
Barium	NE	EPA 6010
Cadmium	EPA 7060	EPA 6010 B
Chromium	EPA 6010B	EPA 6010 B
Cyanide	NE	EPA 9010 B
Lead	EPA 7241	EPA 6010 B
Mercury	EPA 7470A	EPA 7471 A
Selenium	NE	EPA 6010 B
Silver	NE	EPA 6010 B
TCLP Metals (mg/l)		
Arsenic	NE	EPA 6020A
Barium	NE	EPA 6020A
Cadmium	NE	EPA 6020A
Chromium	NE	EPA 6010 B
Cyanide	NE	
Lead	NE	EPA 6020A
Mercury	NE	EPA 6020A
Selenium	NE	EPA 6020A
Silver	NE	EPA 6020A
Total Petroleum Hydrocarbons/GC (mg/kg)	EPA 8100M	EPA 8100 M
Total PCB's (mg/kg)	EPA 8082	EPA 8082
Total VOC's (mg/kg)	EPA 8260B	EPA 8260 B
Total SVOC's (mg/kg)	EPA 8270C	EPA 8270C
Flashpoint/ignitiability (Degrees F)	NE	EPA 1030
Reactive Cyanide (mg/kg)	NE	SW 846 7.3
Reactive Sulfide (mg/kg)	NE	SW 846 7.3
pH	NE	EPA 9045C
Specific Conductivity (umhos/cm)	ASTM G57 or EPA 120.1	EPA 9050 A

Serial_No:08091117:19

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 7/28/11

ALPHA Job #: L1111417

Client Information

Client: Woodard + Curran

Address: 35 New England Business Center, Andover MA 01810

Phone: 978 557 8150

Fax: 978 557 7998

Email:

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Risdon

Project Location: Danbury CT

Project #: 97001.01

Project Manager: Cathy Rockwell

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 8/4/11 Time:

Report Information - Data Deliverables

☐ FAX ☐ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client Info PO #:

Regulatory Requirements/Report Limits

State /Fed Program CT RSRs | Criteria

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Total Metals	TCLP Metals	TPH	Total PCBs	Total VOCs	Total SVOCs	Flashpoint/Ignitability	Reactive Cyanide	Reactive Sulfide	pH	Specific Conductivity	Sample Specific Comments	TOTAL # BOTTLES
11417.1	Drum Comp 1	7/27/11	10:00	L	WCM	1	1			3	3							
																	* Please see attached list for analysis.	

SAMPLE HANDLING

Filtration ☐ Done ☐ Not needed ☐ Lab to do

Preservation ☐ Lab to do (Please specify below)

Container Type	G	G			V							
Preservative	A	A			F							

PLEASE ANSWER QUESTIONS ABOVE!

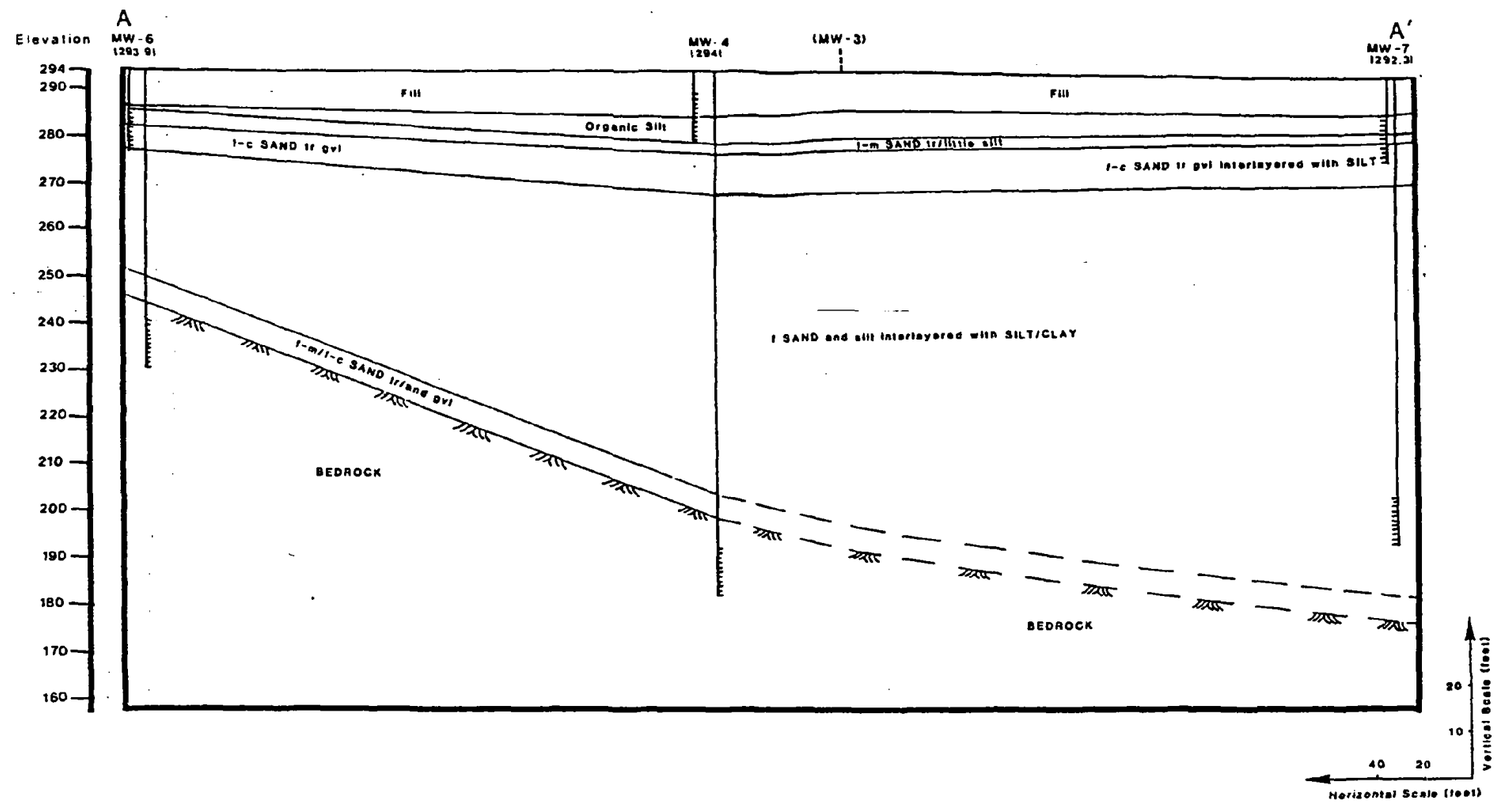
IS YOUR PROJECT MA MCP or CT RCP?

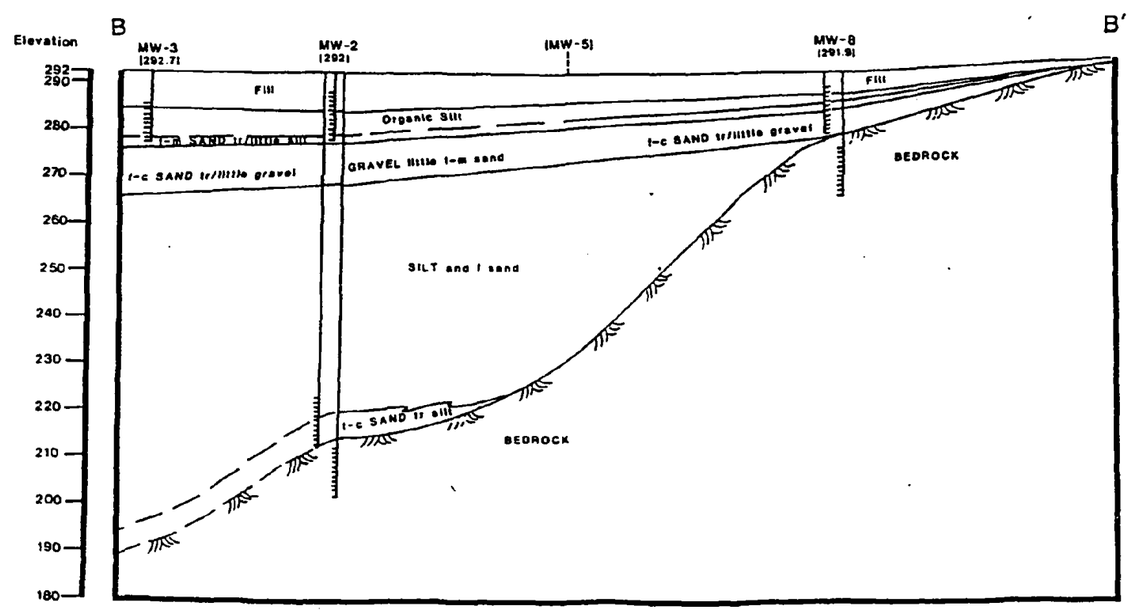
FORM NO: 01-01 (rev. 18-Jan-2010)

Relinquished By:	Date/Time	Received By:	Date/Time
WCM	7/28/11 7:00	~~T. Hadden~~	~~7/28/11 1800~~
~~T. Hadden~~	~~7/29/11 1130~~		
	8/1/11 1120		8/1/11 1130
	8/1/11 1650		8/1/11 1650

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

APPENDIX F: TOPPAN/DUPONT PHOTOMASKS CROSS-SECTIONS





KEY:

MW-4 (294) : Monitoring well (cluster) I.D.
: ground surface elevation

: Monitoring well cluster showing screened depths of each well

: Bedrock-Overburden interface

(MW-3) : Projection of monitoring well

: interpreted contact

Descriptions :

tr - trace
f - fine
f-m - fine to medium
f-c - fine to coarse

TITLE

Du Pont Photomask Facility

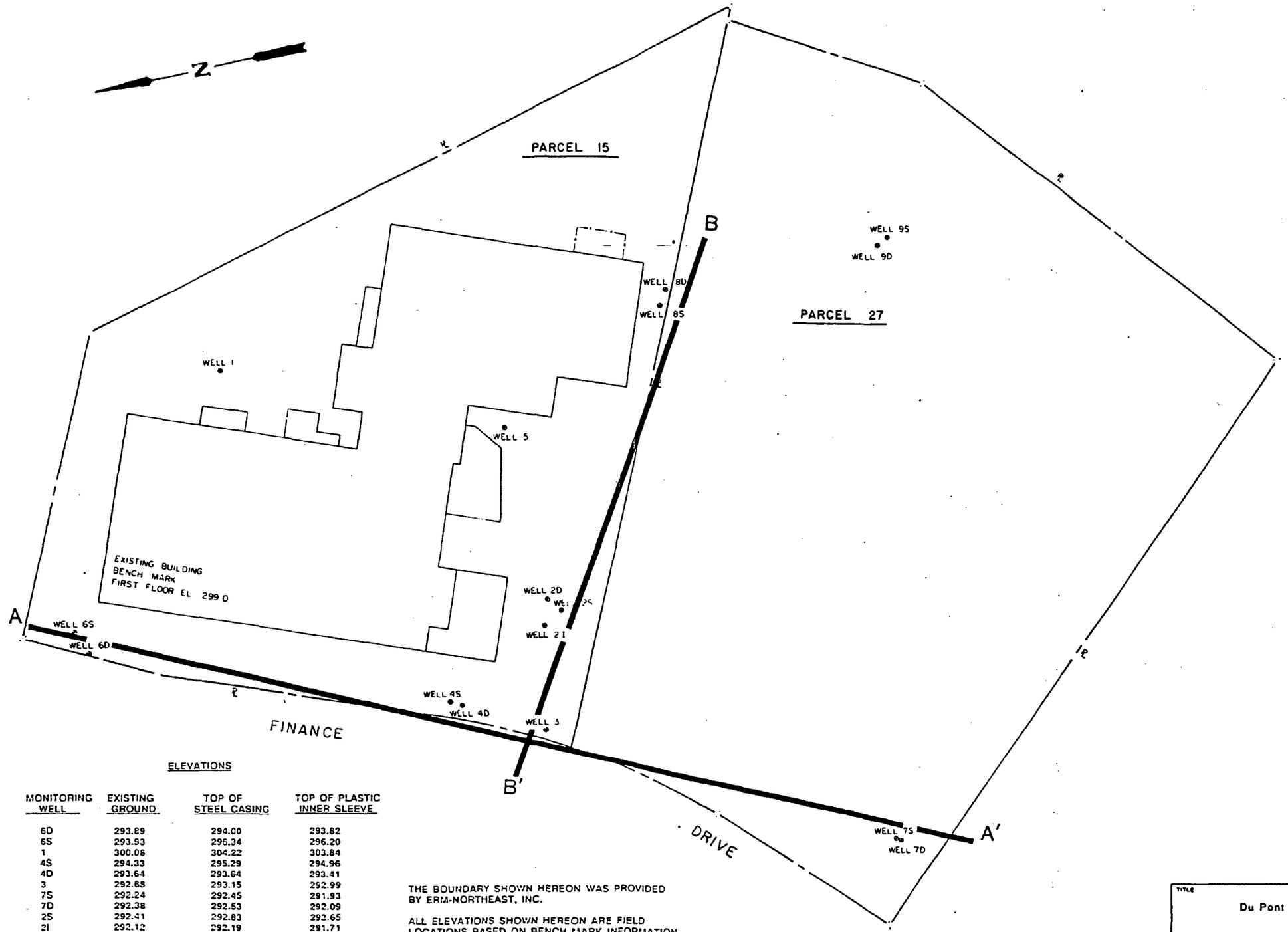
Geologic Cross-sections

PREPARED FOR

E.I. Du Pont De Nemours and Company (Inc.)

ERM-Northeast
Environmental Resource Management

SCALE As Shown
DATE 7/90
FIGURE 4.1



ELEVATIONS

MONITORING WELL	EXISTING GROUND	TOP OF STEEL CASING	TOP OF PLASTIC INNER SLEEVE
6D	293.89	294.00	293.82
6S	293.93	296.34	296.20
1	300.06	304.22	303.84
4S	294.33	295.29	294.96
4D	293.64	293.64	293.41
3	292.68	293.15	292.99
7S	292.24	292.45	291.93
7D	292.38	292.53	292.09
2S	292.41	292.83	292.65
2I	292.12	292.19	291.71
2D	291.87	291.89	291.68
5	294.52	294.48	293.86
8S	291.76	291.84	291.52
8D	292.00	292.14	291.88
9D	292.29	292.35	292.09
9S	292.13	292.45	291.91

THE BOUNDARY SHOWN HEREON WAS PROVIDED BY ERM-NORTHEAST, INC.

ALL ELEVATIONS SHOWN HEREON ARE FIELD LOCATIONS BASED ON BENCH MARK INFORMATION PROVIDED BY ERM-NORTHEAST, INC.

0 50 100 Ft.
Scale:

TITLE
Du Pont Photomask Facility

Cross-Section Locations

PREPARED FOR
E.I. Du Pont De Nemours and Company (Inc.)

ERM-Northeast
Environmental Resources Management

SCALE Noted
DATE July 1990
FIGURE 4.2

APPENDIX G: GROUNDWATER ANALYTICAL REPORTS AND DATA VALIDATION SUMMARY

RISDON DANBURY, CT - PROJECT SUMMARY

Alpha Laboratories Job Numbers: L1108823 and L1109724

A modified Tier II validation was performed on the data. The criteria detailed below were used to qualify the data. Raw data were not used to verify the results reported by the laboratory.

Samples were received at 2.2 and 3.6 degrees Celsius. No qualifications will be applied.

VOCs:

All volatile organic compound (VOC) samples were analyzed within technical holding time. No qualifications will be applied.

All VOC surrogates met acceptance criteria. No qualifications will be applied.

All VOC method blank(s) were non-detect (ND) for all target compounds. No qualifications will be applied.

VOC field blank samples MW-90 (L1108823-10) and TRIP BLANK (L1109724-02) were ND for all target compounds with the following exceptions. Benzene (0.69 µg/L) and toluene (3.1 µg/L) were detected in field blank sample MW-90 (L1108823-10). Since these compounds were not detected in the associated samples, no qualifications will be applied.

No VOC matrix spike/matrix spike duplicate (MS/MSD) was performed on a sample from these analytical packages. No qualifications will be applied.

The VOC laboratory control sample (LCS)/laboratory control sample duplicate (LCSD) met acceptance criteria with the following exceptions:

DATE	COMPOUND	%R/%R	QC LIMIT	AFFECTED SAMPLES	QUALIFIER FLAG
06/23/2011	Chloromethane Dichlorodifluoromethane	68/ok 45/48	70-130	All L1108823	UJL UJL
06/24/2011	Dichlorodifluoromethane* 1,2-Dichloro-3-propane	54/ok ok/134	70-130	MW 701A DL	None, these compounds not reported from DL.
07/08/2011	1,3-Dichloropropene n-Butylbenzene	66/69 67/66	70-130	MW-7 TRIP BLANK	UJL UJL

DL=Dilution

*The RPD of 67% exceeded the acceptance limit (<30%). Qualifications are not applied base on LCS/LCSD RPD alone.

VOC field duplicate samples MW 702A (L1108823-05)/MW-50 (L1108823-09) had positive results for the following compounds: trichloroethene and 1,1,2-trichloro-1,2,2-trifluoroethane. The relative percent difference (RPD) values between the sample results were acceptable for all compounds detected in both the sample and its field duplicate. No qualifications will be applied.

The trichloroethene result in the undiluted analysis of sample MW 701A (L1108823-01) was qualified "E" by the laboratory to indicate that the compound concentration exceeded the upper calibration limit. The sample was re-analyzed at a 10-fold dilution and the result for trichloroethene was within the calibration range. The trichloroethene result from the 10-fold dilution should be used in decision making. The trichloroethene result in the undiluted analysis of sample MW 701A (L1108823-01) should be considered an estimate and is qualified "J".

Detection limits were raised in some samples due to dilutions performed because of the elevated concentrations of target compounds.

Metals:

All metals samples were digested and analyzed within technical holding times. No qualifications will be applied.

All metals method blank(s) were ND for all target analytes. No qualifications will be applied.

RISDON DANBURY, CT - PROJECT SUMMARY

Alpha Laboratories Job Numbers: L1108823 and L1109724

Metals field blank sample MW-90 (L1108823-10) was ND for all target analytes. No qualifications will be applied.
No metals MS/MSD was performed on a sample from these analytical packages. No qualifications will be applied.

Metals field duplicate samples MW 702A (L1108823-05)/MW-50 (L1108823-09) were both ND for all target analytes. No qualifications will be applied.

The metals LCS met acceptance criteria. No qualifications will be applied.

No metals laboratory duplicate was performed on a sample from these analytical packages. No qualifications will be applied.

Detection limits were raised for antimony, arsenic, beryllium, and thallium in all samples in analytical package L1108823 except MW-90 (L1108823-10) due to dilutions performed because of the elevated concentrations of non-target analytes.

Cyanide:

All cyanide (CN) samples were prepared and analyzed within technical holding times. No qualifications will be applied.

All CN method blank(s) were ND. No qualifications will be applied.

CN (0.005 mg/L) was detected in field blank sample MW-90 (L1108823-10). Since CN was not detected in any associated samples, no qualifications will be applied.

No CN MS/MSD was performed on a sample from these analytical packages. No qualifications will be applied.

CN field duplicate samples MW 702A (L1108823-05)/MW-50 (L1108823-09) were both ND. No qualifications will be applied.

The CN LCS/LCSD met acceptance criteria. No qualifications will be applied.

No CN laboratory duplicate was performed on a sample from these analytical packages. No qualifications will be applied.

Data Check, Inc.
P.O. Box 29
81 Meaderboro Road
New Durham, NH 03855

Gloria J. Switalski:
President

Date: 7/15/2011

ANALYTICAL REPORT

Lab Number:	L1108823
Client:	Woodard & Curran 35 New England Business Center Drive Suite 180 Andover, MA 01810
ATTN:	Mike Apfelbaum
Phone:	(978) 557-8150
Project Name:	RISDON
Project Number:	97001.00/14
Report Date:	07/26/11

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: RISDON
Project Number: 97001.00/14

Lab Number: L1108823
Report Date: 07/26/11

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1108823-01	MW 701A	DANBURY, CT	06/16/11 11:11
L1108823-02	MW 701B	DANBURY, CT	06/16/11 13:05
L1108823-03	MW 701C	DANBURY, CT	06/16/11 14:59
L1108823-04	MW 702B	DANBURY, CT	06/16/11 17:02
L1108823-05	MW 702A	DANBURY, CT	06/16/11 18:47
L1108823-06	MS-MW-4	DANBURY, CT	06/16/11 20:04
L1108823-07	MS-MW-2	DANBURY, CT	06/16/11 21:17
L1108823-08	MS-MW-1	DANBURY, CT	06/16/11 22:28
L1108823-09	MW-50	DANBURY, CT	06/16/11 18:47
L1108823-10	MW-90	DANBURY, CT	06/16/11 22:40
L1108823-11	TRIP BLANK	DANBURY, CT	06/16/11 00:00

Project Name: RISDON
Project Number: 97001.00/14

Lab Number: L1108823
Report Date: 07/26/11

CT DEP Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	YES
1a	Were the method specified preservation and holding time requirements met?	YES
1b	VPH & EPH Methods Only: Was the VPH or EPH Method conducted without significant modifications (see Section 11.3 of respective Methods)?	N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	YES
3	Were all samples received at an appropriate temperature (<6°C)?	YES
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	NO
5a	Were reporting limits specified or referenced on the chain-of-custody?	YES
5b	Were these reporting limits met?	NO
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	NO
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	NO

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or question B is "No", the data package does not meet the requirements for "Reasonable Confidence".

Project Name: RISDON **Lab Number:** L1108823
Project Number: 97001.00/14 **Report Date:** 07/26/11

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

RCP Related Narratives

Report Submission

This report replaces the report issued June 29, 2011. The Sample Receipt narrative has been amended.
A previously issued report replaced the report issued June 24, 2011. The client ID for L1108823-07 was amended.

Sample Receipt

A sample identified as "Trip Blank" was listed on the Chain of Custody, but not received. This was verified by the client.

Project Name: RISDON **Lab Number:** L1108823
Project Number: 97001.00/14 **Report Date:** 07/26/11

Case Narrative (continued)

Volatile Organics

The initial calibration, associated with L1108823-01 through -10, utilized a quadratic fit for n-Butylbenzene, Hexachlorobutadiene, Naphthalene, 1,2,3-Trichlorobenzene and 1,2,4-Trichlorobenzene.

The initial calibration, associated with L1108823-01D, utilized a quadratic fit for n-Butylbenzene, Hexachlorobutadiene, Naphthalene, 1,2,3-Trichlorobenzene and 1,2,4-Trichlorobenzene.

Curve Fit Quadratic:

y = b + (m1 * x) + (m2 * x^2)

Where:

Y= Amount unknown/Amount Internal Standard

x = Response unknown/Response internal standard

b= Constant

m1= Linear Term

m2= Quadratic Term

L1108823-01 was re-analyzed on dilution in order to quantitate the sample within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial analysis. The re-analysis was performed only for the compound that exceeded the calibration range.

L1108823-02, -03 and -06 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

In reference to question 4:

The WG475216-1/-2 LCS/LCSD recoveries, associated with L1108823-01 through -10, are below the individual acceptance criteria for Chloromethane (LCS at 68%) and Dichlorodifluoromethane (45%/48%), but within the overall method allowances. The results of the associated samples are reported; however, all results are considered to have a potentially low bias for these compounds.

The WG475216-4/-5 LCS/LCSD recoveries, associated with L1108823-01D, are below the individual acceptance criteria for Dichlorodifluoromethane (LCS at 54%) and 1,2-Dibromo-3-chloropropane (LCSD at 134%), but within the overall method allowances. The results of the associated samples are reported; however, all results are considered to have a potentially low bias for these compounds. In addition, the associated

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Case Narrative (continued)

WG475216-4/-5 LCS/LCSD RPD is above the acceptance criteria for Dichlorodifluoromethane (67%).

In reference to question 5b:

One or more of the target analytes did not achieve the requested regulatory limits.

Metals

L1108823-01 through -05 and -07 through -09 have elevated detection limits for Antimony, Arsenic, Beryllium and Thallium due to the dilutions required by the high concentrations of non-target analytes. The requested reporting limits were achieved.

In reference to question 6:

At the client's request, all submitted samples were not analyzed for the full RCP list of constituents identified in the method specific analyte list presented in the RCP documents.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 07/26/11

ORGANICS

VOLATILES

Project Name: RISDON **Lab Number:** L1108823

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SAMPLE RESULTS

Lab ID:	L1108823-01	Date Collected:	06/16/11 11:11
Client ID:	MW 701A	Date Received:	06/17/11
Sample Location:	DANBURY, CT	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	77,8260B		
Analytical Date:	06/23/11 14:48		
Analyst:	MM		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	--	1
1,1-Dichloroethane	5.3		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	4.5		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	72		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	12		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	220	E	ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

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SAMPLE RESULTS

Lab ID: L1108823-01 Date Collected: 06/16/11 11:11

Client ID: MW 701A Date Received: 06/17/11

Sample Location: DANBURY, CT Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	18		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Acrylonitrile	ND		ug/l	5.0	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.60	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.0	--	1

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SAMPLE RESULTS

Lab ID:	L1108823-01	Date Collected:	06/16/11 11:11
Client ID:	MW 701A	Date Received:	06/17/11
Sample Location:	DANBURY, CT	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	97		70-130

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SAMPLE RESULTS

Lab ID:	L1108823-01	D	Date Collected:	06/16/11 11:11
Client ID:	MW 701A		Date Received:	06/17/11
Sample Location:	DANBURY, CT		Field Prep:	Not Specified
Matrix:	Water			
Analytical Method:	77,8260B			
Analytical Date:	06/24/11 13:43			
Analyst:	MM			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						
Trichloroethene	120		ug/l	5.0	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	99		70-130

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SAMPLE RESULTS

Lab ID:	L1108823-02	D	Date Collected:	06/16/11 13:05
Client ID:	MW 701B		Date Received:	06/17/11
Sample Location:	DANBURY, CT		Field Prep:	Not Specified
Matrix:	Water			
Analytical Method:	77,8260B			
Analytical Date:	06/23/11 15:20			
Analyst:	MM			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	500	--	100
1,1-Dichloroethane	ND		ug/l	75	--	100
Chloroform	ND		ug/l	75	--	100
Carbon tetrachloride	ND		ug/l	50	--	100
1,2-Dichloropropane	ND		ug/l	180	--	100
Dibromochloromethane	ND		ug/l	50	--	100
1,1,2-Trichloroethane	ND		ug/l	75	--	100
Tetrachloroethene	430		ug/l	50	--	100
Chlorobenzene	ND		ug/l	50	--	100
Trichlorofluoromethane	ND		ug/l	250	--	100
1,2-Dichloroethane	ND		ug/l	50	--	100
1,1,1-Trichloroethane	320		ug/l	50	--	100
Bromodichloromethane	ND		ug/l	50	--	100
trans-1,3-Dichloropropene	ND		ug/l	50	--	100
cis-1,3-Dichloropropene	ND		ug/l	50	--	100
1,1-Dichloropropene	ND		ug/l	250	--	100
Bromoform	ND		ug/l	200	--	100
1,1,2,2-Tetrachloroethane	ND		ug/l	50	--	100
Benzene	ND		ug/l	50	--	100
Toluene	ND		ug/l	75	--	100
Ethylbenzene	ND		ug/l	50	--	100
Chloromethane	ND		ug/l	250	--	100
Bromomethane	ND		ug/l	100	--	100
Vinyl chloride	ND		ug/l	100	--	100
Chloroethane	ND		ug/l	100	--	100
1,1-Dichloroethene	170		ug/l	50	--	100
trans-1,2-Dichloroethene	ND		ug/l	75	--	100
Trichloroethene	5200		ug/l	50	--	100
1,2-Dichlorobenzene	ND		ug/l	250	--	100
1,3-Dichlorobenzene	ND		ug/l	250	--	100
1,4-Dichlorobenzene	ND		ug/l	250	--	100

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SAMPLE RESULTS

Lab ID: L1108823-02 D Date Collected: 06/16/11 13:05

Client ID: MW 701B Date Received: 06/17/11

Sample Location: DANBURY, CT Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	100	--	100
p/m-Xylene	ND		ug/l	100	--	100
o-Xylene	ND		ug/l	100	--	100
cis-1,2-Dichloroethene	110		ug/l	50	--	100
Dibromomethane	ND		ug/l	500	--	100
1,2,3-Trichloropropane	ND		ug/l	500	--	100
Styrene	ND		ug/l	100	--	100
Dichlorodifluoromethane	ND		ug/l	500	--	100
Acetone	ND		ug/l	500	--	100
Carbon disulfide	ND		ug/l	500	--	100
2-Butanone	ND		ug/l	500	--	100
4-Methyl-2-pentanone	ND		ug/l	500	--	100
2-Hexanone	ND		ug/l	500	--	100
Acrylonitrile	ND		ug/l	500	--	100
Tetrahydrofuran	ND		ug/l	500	--	100
2,2-Dichloropropane	ND		ug/l	250	--	100
1,2-Dibromoethane	ND		ug/l	200	--	100
1,3-Dichloropropane	ND		ug/l	250	--	100
1,1,1,2-Tetrachloroethane	ND		ug/l	50	--	100
Bromobenzene	ND		ug/l	250	--	100
n-Butylbenzene	ND		ug/l	50	--	100
sec-Butylbenzene	ND		ug/l	50	--	100
tert-Butylbenzene	ND		ug/l	250	--	100
o-Chlorotoluene	ND		ug/l	250	--	100
p-Chlorotoluene	ND		ug/l	250	--	100
1,2-Dibromo-3-chloropropane	ND		ug/l	250	--	100
Hexachlorobutadiene	ND		ug/l	60	--	100
Isopropylbenzene	ND		ug/l	50	--	100
p-Isopropyltoluene	ND		ug/l	50	--	100
Naphthalene	ND		ug/l	250	--	100
n-Propylbenzene	ND		ug/l	50	--	100
1,2,3-Trichlorobenzene	ND		ug/l	250	--	100
1,2,4-Trichlorobenzene	ND		ug/l	250	--	100
1,3,5-Trimethylbenzene	ND		ug/l	250	--	100
1,2,4-Trimethylbenzene	ND		ug/l	250	--	100
trans-1,4-Dichloro-2-butene	ND		ug/l	250	--	100
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	200	--	100

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SAMPLE RESULTS

Lab ID:	L1108823-02	D	Date Collected:	06/16/11 13:05
Client ID:	MW 701B		Date Received:	06/17/11
Sample Location:	DANBURY, CT		Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	96		70-130

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SAMPLE RESULTS

Lab ID:	L1108823-03	D	Date Collected:	06/16/11 14:59
Client ID:	MW 701C		Date Received:	06/17/11
Sample Location:	DANBURY, CT		Field Prep:	Not Specified
Matrix:	Water			
Analytical Method:	77,8260B			
Analytical Date:	06/23/11 15:52			
Analyst:	MM			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	250	--	50
1,1-Dichloroethane	ND		ug/l	38	--	50
Chloroform	ND		ug/l	38	--	50
Carbon tetrachloride	ND		ug/l	25	--	50
1,2-Dichloropropane	ND		ug/l	88	--	50
Dibromochloromethane	ND		ug/l	25	--	50
1,1,2-Trichloroethane	ND		ug/l	38	--	50
Tetrachloroethene	460		ug/l	25	--	50
Chlorobenzene	ND		ug/l	25	--	50
Trichlorofluoromethane	ND		ug/l	120	--	50
1,2-Dichloroethane	ND		ug/l	25	--	50
1,1,1-Trichloroethane	290		ug/l	25	--	50
Bromodichloromethane	ND		ug/l	25	--	50
trans-1,3-Dichloropropene	ND		ug/l	25	--	50
cis-1,3-Dichloropropene	ND		ug/l	25	--	50
1,1-Dichloropropene	ND		ug/l	120	--	50
Bromoform	ND		ug/l	100	--	50
1,1,2,2-Tetrachloroethane	ND		ug/l	25	--	50
Benzene	ND		ug/l	25	--	50
Toluene	ND		ug/l	38	--	50
Ethylbenzene	ND		ug/l	25	--	50
Chloromethane	ND		ug/l	120	--	50
Bromomethane	ND		ug/l	50	--	50
Vinyl chloride	ND		ug/l	50	--	50
Chloroethane	ND		ug/l	50	--	50
1,1-Dichloroethene	120		ug/l	25	--	50
trans-1,2-Dichloroethene	ND		ug/l	38	--	50
Trichloroethene	3200		ug/l	25	--	50
1,2-Dichlorobenzene	ND		ug/l	120	--	50
1,3-Dichlorobenzene	ND		ug/l	120	--	50
1,4-Dichlorobenzene	ND		ug/l	120	--	50

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SAMPLE RESULTS

Lab ID: L1108823-03 D Date Collected: 06/16/11 14:59

Client ID: MW 701C Date Received: 06/17/11

Sample Location: DANBURY, CT Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	50	--	50
p/m-Xylene	ND		ug/l	50	--	50
o-Xylene	ND		ug/l	50	--	50
cis-1,2-Dichloroethene	57		ug/l	25	--	50
Dibromomethane	ND		ug/l	250	--	50
1,2,3-Trichloropropane	ND		ug/l	250	--	50
Styrene	ND		ug/l	50	--	50
Dichlorodifluoromethane	ND		ug/l	250	--	50
Acetone	ND		ug/l	250	--	50
Carbon disulfide	ND		ug/l	250	--	50
2-Butanone	ND		ug/l	250	--	50
4-Methyl-2-pentanone	ND		ug/l	250	--	50
2-Hexanone	ND		ug/l	250	--	50
Acrylonitrile	ND		ug/l	250	--	50
Tetrahydrofuran	ND		ug/l	250	--	50
2,2-Dichloropropane	ND		ug/l	120	--	50
1,2-Dibromoethane	ND		ug/l	100	--	50
1,3-Dichloropropane	ND		ug/l	120	--	50
1,1,1,2-Tetrachloroethane	ND		ug/l	25	--	50
Bromobenzene	ND		ug/l	120	--	50
n-Butylbenzene	ND		ug/l	25	--	50
sec-Butylbenzene	ND		ug/l	25	--	50
tert-Butylbenzene	ND		ug/l	120	--	50
o-Chlorotoluene	ND		ug/l	120	--	50
p-Chlorotoluene	ND		ug/l	120	--	50
1,2-Dibromo-3-chloropropane	ND		ug/l	120	--	50
Hexachlorobutadiene	ND		ug/l	30	--	50
Isopropylbenzene	ND		ug/l	25	--	50
p-Isopropyltoluene	ND		ug/l	25	--	50
Naphthalene	ND		ug/l	120	--	50
n-Propylbenzene	ND		ug/l	25	--	50
1,2,3-Trichlorobenzene	ND		ug/l	120	--	50
1,2,4-Trichlorobenzene	ND		ug/l	120	--	50
1,3,5-Trimethylbenzene	ND		ug/l	120	--	50
1,2,4-Trimethylbenzene	ND		ug/l	120	--	50
trans-1,4-Dichloro-2-butene	ND		ug/l	120	--	50
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	100	--	50

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SAMPLE RESULTS

Lab ID:	L1108823-03	D	Date Collected:	06/16/11 14:59
Client ID:	MW 701C		Date Received:	06/17/11
Sample Location:	DANBURY, CT		Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	94		70-130

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SAMPLE RESULTS

Lab ID:	L1108823-04	Date Collected:	06/16/11 17:02
Client ID:	MW 702B	Date Received:	06/17/11
Sample Location:	DANBURY, CT	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	77,8260B		
Analytical Date:	06/23/11 16:25		
Analyst:	MM		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	6.6		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	1.4		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	1.4		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	140		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: RISDON **Lab Number:** L1108823

Project Number: 97001.00/14 **Report Date:** 07/26/11

SAMPLE RESULTS

Lab ID: L1108823-04 Date Collected: 06/16/11 17:02

Client ID: MW 702B Date Received: 06/17/11

Sample Location: DANBURY, CT Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	4.4		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Acrylonitrile	ND		ug/l	5.0	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.60	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	14		ug/l	2.0	--	1

Project Name: RISDON **Lab Number:** L1108823

Project Number: 97001.00/14 **Report Date:** 07/26/11

SAMPLE RESULTS

Lab ID:	L1108823-04	Date Collected:	06/16/11 17:02
Client ID:	MW 702B	Date Received:	06/17/11
Sample Location:	DANBURY, CT	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	95		70-130

Project Name: RISDON **Lab Number:** L1108823

Project Number: 97001.00/14 **Report Date:** 07/26/11

SAMPLE RESULTS

Lab ID:	L1108823-05	Date Collected:	06/16/11 18:47
Client ID:	MW 702A	Date Received:	06/17/11
Sample Location:	DANBURY, CT	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	77,8260B		
Analytical Date:	06/23/11 16:57		
Analyst:	MM		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	2.8		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: RISDON **Lab Number:** L1108823

Project Number: 97001.00/14 **Report Date:** 07/26/11

SAMPLE RESULTS

Lab ID: L1108823-05 Date Collected: 06/16/11 18:47

Client ID: MW 702A Date Received: 06/17/11

Sample Location: DANBURY, CT Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Acrylonitrile	ND		ug/l	5.0	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.60	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	82		ug/l	2.0	--	1

Project Name: RISDON **Lab Number:** L1108823

Project Number: 97001.00/14 **Report Date:** 07/26/11

SAMPLE RESULTS

Lab ID:	L1108823-05	Date Collected:	06/16/11 18:47
Client ID:	MW 702A	Date Received:	06/17/11
Sample Location:	DANBURY, CT	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	97		70-130

Project Name: RISDON **Lab Number:** L1108823

Project Number: 97001.00/14 **Report Date:** 07/26/11

SAMPLE RESULTS

Lab ID:	L1108823-06	D	Date Collected:	06/16/11 20:04
Client ID:	MS-MW-4		Date Received:	06/17/11
Sample Location:	DANBURY, CT		Field Prep:	Not Specified
Matrix:	Water			
Analytical Method:	77,8260B			
Analytical Date:	06/23/11 17:29			
Analyst:	MM			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	100	--	20
1,1-Dichloroethane	ND		ug/l	15	--	20
Chloroform	ND		ug/l	15	--	20
Carbon tetrachloride	ND		ug/l	10	--	20
1,2-Dichloropropane	ND		ug/l	35	--	20
Dibromochloromethane	ND		ug/l	10	--	20
1,1,2-Trichloroethane	ND		ug/l	15	--	20
Tetrachloroethene	ND		ug/l	10	--	20
Chlorobenzene	ND		ug/l	10	--	20
Trichlorofluoromethane	ND		ug/l	50	--	20
1,2-Dichloroethane	ND		ug/l	10	--	20
1,1,1-Trichloroethane	ND		ug/l	10	--	20
Bromodichloromethane	ND		ug/l	10	--	20
trans-1,3-Dichloropropene	ND		ug/l	10	--	20
cis-1,3-Dichloropropene	ND		ug/l	10	--	20
1,1-Dichloropropene	ND		ug/l	50	--	20
Bromoform	ND		ug/l	40	--	20
1,1,2,2-Tetrachloroethane	ND		ug/l	10	--	20
Benzene	ND		ug/l	10	--	20
Toluene	ND		ug/l	15	--	20
Ethylbenzene	ND		ug/l	10	--	20
Chloromethane	ND		ug/l	50	--	20
Bromomethane	ND		ug/l	20	--	20
Vinyl chloride	ND		ug/l	20	--	20
Chloroethane	ND		ug/l	20	--	20
1,1-Dichloroethene	ND		ug/l	10	--	20
trans-1,2-Dichloroethene	ND		ug/l	15	--	20
Trichloroethene	ND		ug/l	10	--	20
1,2-Dichlorobenzene	ND		ug/l	50	--	20
1,3-Dichlorobenzene	ND		ug/l	50	--	20
1,4-Dichlorobenzene	ND		ug/l	50	--	20

Project Name: RISDON **Lab Number:** L1108823

Project Number: 97001.00/14 **Report Date:** 07/26/11

SAMPLE RESULTS

Lab ID: L1108823-06 D Date Collected: 06/16/11 20:04

Client ID: MS-MW-4 Date Received: 06/17/11

Sample Location: DANBURY, CT Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	20	--	20
p/m-Xylene	ND		ug/l	20	--	20
o-Xylene	ND		ug/l	20	--	20
cis-1,2-Dichloroethene	ND		ug/l	10	--	20
Dibromomethane	ND		ug/l	100	--	20
1,2,3-Trichloropropane	ND		ug/l	100	--	20
Styrene	ND		ug/l	20	--	20
Dichlorodifluoromethane	ND		ug/l	100	--	20
Acetone	ND		ug/l	100	--	20
Carbon disulfide	ND		ug/l	100	--	20
2-Butanone	ND		ug/l	100	--	20
4-Methyl-2-pentanone	ND		ug/l	100	--	20
2-Hexanone	ND		ug/l	100	--	20
Acrylonitrile	ND		ug/l	100	--	20
Tetrahydrofuran	ND		ug/l	100	--	20
2,2-Dichloropropane	ND		ug/l	50	--	20
1,2-Dibromoethane	ND		ug/l	40	--	20
1,3-Dichloropropane	ND		ug/l	50	--	20
1,1,1,2-Tetrachloroethane	ND		ug/l	10	--	20
Bromobenzene	ND		ug/l	50	--	20
n-Butylbenzene	ND		ug/l	10	--	20
sec-Butylbenzene	ND		ug/l	10	--	20
tert-Butylbenzene	ND		ug/l	50	--	20
o-Chlorotoluene	ND		ug/l	50	--	20
p-Chlorotoluene	ND		ug/l	50	--	20
1,2-Dibromo-3-chloropropane	ND		ug/l	50	--	20
Hexachlorobutadiene	ND		ug/l	12	--	20
Isopropylbenzene	ND		ug/l	10	--	20
p-Isopropyltoluene	ND		ug/l	10	--	20
Naphthalene	ND		ug/l	50	--	20
n-Propylbenzene	ND		ug/l	10	--	20
1,2,3-Trichlorobenzene	ND		ug/l	50	--	20
1,2,4-Trichlorobenzene	ND		ug/l	50	--	20
1,3,5-Trimethylbenzene	ND		ug/l	50	--	20
1,2,4-Trimethylbenzene	ND		ug/l	50	--	20
trans-1,4-Dichloro-2-butene	ND		ug/l	50	--	20
1,1,2-Trichloro-1,2,2-Trifluoroethane	890		ug/l	40	--	20

Project Name: RISDON **Lab Number:** L1108823

Project Number: 97001.00/14 **Report Date:** 07/26/11

SAMPLE RESULTS

Lab ID: L1108823-06 D Date Collected: 06/16/11 20:04

Client ID: MS-MW-4 Date Received: 06/17/11

Sample Location: DANBURY, CT Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	96		70-130

Project Name: RISDON **Lab Number:** L1108823

Project Number: 97001.00/14 **Report Date:** 07/26/11

SAMPLE RESULTS

Lab ID:	L1108823-07	Date Collected:	06/16/11 21:17
Client ID:	MS-MW-2	Date Received:	06/17/11
Sample Location:	DANBURY, CT	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	77,8260B		
Analytical Date:	06/23/11 18:02		
Analyst:	MM		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	3.0		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: RISDON **Lab Number:** L1108823

Project Number: 97001.00/14 **Report Date:** 07/26/11

SAMPLE RESULTS

Lab ID: L1108823-07 Date Collected: 06/16/11 21:17

Client ID: MS-MW-2 Date Received: 06/17/11

Sample Location: DANBURY, CT Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	0.68		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Acrylonitrile	ND		ug/l	5.0	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.60	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.0	--	1

Project Name: RISDON **Lab Number:** L1108823

Project Number: 97001.00/14 **Report Date:** 07/26/11

SAMPLE RESULTS

Lab ID:	L1108823-07	Date Collected:	06/16/11 21:17
Client ID:	MS-MW-2	Date Received:	06/17/11
Sample Location:	DANBURY, CT	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	98		70-130

Project Name: RISDON **Lab Number:** L1108823

Project Number: 97001.00/14 **Report Date:** 07/26/11

SAMPLE RESULTS

Lab ID:	L1108823-08	Date Collected:	06/16/11 22:28
Client ID:	MS-MW-1	Date Received:	06/17/11
Sample Location:	DANBURY, CT	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	77,8260B		
Analytical Date:	06/23/11 18:34		
Analyst:	MM		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	--	1
1,1-Dichloroethane	0.86		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	3.1		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	3.5		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	3.8		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	91		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: RISDON **Lab Number:** L1108823

Project Number: 97001.00/14 **Report Date:** 07/26/11

SAMPLE RESULTS

Lab ID: L1108823-08 Date Collected: 06/16/11 22:28

Client ID: MS-MW-1 Date Received: 06/17/11

Sample Location: DANBURY, CT Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	5.4		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Acrylonitrile	ND		ug/l	5.0	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.60	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.0	--	1

Project Name: RISDON **Lab Number:** L1108823

Project Number: 97001.00/14 **Report Date:** 07/26/11

SAMPLE RESULTS

Lab ID:	L1108823-08	Date Collected:	06/16/11 22:28
Client ID:	MS-MW-1	Date Received:	06/17/11
Sample Location:	DANBURY, CT	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	95		70-130

Project Name: RISDON **Lab Number:** L1108823

Project Number: 97001.00/14 **Report Date:** 07/26/11

SAMPLE RESULTS

Lab ID:	L1108823-09	Date Collected:	06/16/11 18:47
Client ID:	MW-50	Date Received:	06/17/11
Sample Location:	DANBURY, CT	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	77,8260B		
Analytical Date:	06/23/11 19:07		
Analyst:	MM		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	2.8		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: RISDON **Lab Number:** L1108823

Project Number: 97001.00/14 **Report Date:** 07/26/11

SAMPLE RESULTS

Lab ID: L1108823-09 Date Collected: 06/16/11 18:47

Client ID: MW-50 Date Received: 06/17/11

Sample Location: DANBURY, CT Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Acrylonitrile	ND		ug/l	5.0	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.60	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	84		ug/l	2.0	--	1

Project Name: RISDON **Lab Number:** L1108823

Project Number: 97001.00/14 **Report Date:** 07/26/11

SAMPLE RESULTS

Lab ID:	L1108823-09	Date Collected:	06/16/11 18:47
Client ID:	MW-50	Date Received:	06/17/11
Sample Location:	DANBURY, CT	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	95		70-130

Project Name: RISDON **Lab Number:** L1108823

Project Number: 97001.00/14 **Report Date:** 07/26/11

SAMPLE RESULTS

Lab ID:	L1108823-10	Date Collected:	06/16/11 22:40
Client ID:	MW-90	Date Received:	06/17/11
Sample Location:	DANBURY, CT	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	77,8260B		
Analytical Date:	06/23/11 19:39		
Analyst:	MM		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	0.69		ug/l	0.50	--	1
Toluene	3.1		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: RISDON **Lab Number:** L1108823

Project Number: 97001.00/14 **Report Date:** 07/26/11

SAMPLE RESULTS

Lab ID: L1108823-10 Date Collected: 06/16/11 22:40

Client ID: MW-90 Date Received: 06/17/11

Sample Location: DANBURY, CT Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Acrylonitrile	ND		ug/l	5.0	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.60	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.0	--	1

Project Name: RISDON **Lab Number:** L1108823

Project Number: 97001.00/14 **Report Date:** 07/26/11

SAMPLE RESULTS

Lab ID:	L1108823-10	Date Collected:	06/16/11 22:40
Client ID:	MW-90	Date Received:	06/17/11
Sample Location:	DANBURY, CT	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	98		70-130

Project Name: RISDON **Lab Number:** L1108823

Project Number: 97001.00/14 **Report Date:** 07/26/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8260B
Analytical Date: 06/23/11 14:15
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Volatile Organics - Westborough Lab for sample(s): 01-10 Batch: WG475216-3					
Methylene chloride	ND		ug/l	5.0	--
1,1-Dichloroethane	ND		ug/l	0.75	--
Chloroform	ND		ug/l	0.75	--
Carbon tetrachloride	ND		ug/l	0.50	--
1,2-Dichloropropane	ND		ug/l	1.8	--
Dibromochloromethane	ND		ug/l	0.50	--
1,1,2-Trichloroethane	ND		ug/l	0.75	--
Tetrachloroethene	ND		ug/l	0.50	--
Chlorobenzene	ND		ug/l	0.50	--
Trichlorofluoromethane	ND		ug/l	2.5	--
1,2-Dichloroethane	ND		ug/l	0.50	--
1,1,1-Trichloroethane	ND		ug/l	0.50	--
Bromodichloromethane	ND		ug/l	0.50	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
1,1-Dichloropropene	ND		ug/l	2.5	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--
Benzene	ND		ug/l	0.50	--
Toluene	ND		ug/l	0.75	--
Ethylbenzene	ND		ug/l	0.50	--
Chloromethane	ND		ug/l	2.5	--
Bromomethane	ND		ug/l	1.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	1.0	--
1,1-Dichloroethene	ND		ug/l	0.50	--
trans-1,2-Dichloroethene	ND		ug/l	0.75	--
Trichloroethene	ND		ug/l	0.50	--
1,2-Dichlorobenzene	ND		ug/l	2.5	--
1,3-Dichlorobenzene	ND		ug/l	2.5	--
1,4-Dichlorobenzene	ND		ug/l	2.5	--

Project Name: RISDON **Lab Number:** L1108823

Project Number: 97001.00/14 **Report Date:** 07/26/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8260B
Analytical Date: 06/23/11 14:15
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Volatile Organics - Westborough Lab for sample(s): 01-10 Batch: WG475216-3					
Methyl tert butyl ether	ND		ug/l	1.0	--
p/m-Xylene	ND		ug/l	1.0	--
o-Xylene	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	0.50	--
Dibromomethane	ND		ug/l	5.0	--
1,2,3-Trichloropropane	ND		ug/l	5.0	--
Styrene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	5.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	5.0	--
2-Butanone	ND		ug/l	5.0	--
4-Methyl-2-pentanone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Acrylonitrile	ND		ug/l	5.0	--
Tetrahydrofuran	ND		ug/l	5.0	--
2,2-Dichloropropane	ND		ug/l	2.5	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,3-Dichloropropane	ND		ug/l	2.5	--
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--
Bromobenzene	ND		ug/l	2.5	--
n-Butylbenzene	ND		ug/l	0.50	--
sec-Butylbenzene	ND		ug/l	0.50	--
tert-Butylbenzene	ND		ug/l	2.5	--
o-Chlorotoluene	ND		ug/l	2.5	--
p-Chlorotoluene	ND		ug/l	2.5	--
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--
Hexachlorobutadiene	ND		ug/l	0.60	--
Isopropylbenzene	ND		ug/l	0.50	--
p-Isopropyltoluene	ND		ug/l	0.50	--
Naphthalene	ND		ug/l	2.5	--
n-Propylbenzene	ND		ug/l	0.50	--

Project Name: RISDON **Lab Number:** L1108823

Project Number: 97001.00/14 **Report Date:** 07/26/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8260B
Analytical Date: 06/23/11 14:15
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Volatile Organics - Westborough Lab for sample(s): 01-10 Batch: WG475216-3					
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.0	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	95		70-130

Project Name: RISDON **Lab Number:** L1108823

Project Number: 97001.00/14 **Report Date:** 07/26/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8260B
Analytical Date: 06/24/11 13:10
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Volatile Organics - Westborough Lab for sample(s): 01 Batch: WG475216-6					
Methylene chloride	ND		ug/l	5.0	--
1,1-Dichloroethane	ND		ug/l	0.75	--
Chloroform	ND		ug/l	0.75	--
Carbon tetrachloride	ND		ug/l	0.50	--
1,2-Dichloropropane	ND		ug/l	1.8	--
Dibromochloromethane	ND		ug/l	0.50	--
1,1,2-Trichloroethane	ND		ug/l	0.75	--
Tetrachloroethene	ND		ug/l	0.50	--
Chlorobenzene	ND		ug/l	0.50	--
Trichlorofluoromethane	ND		ug/l	2.5	--
1,2-Dichloroethane	ND		ug/l	0.50	--
1,1,1-Trichloroethane	ND		ug/l	0.50	--
Bromodichloromethane	ND		ug/l	0.50	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
1,1-Dichloropropene	ND		ug/l	2.5	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--
Benzene	ND		ug/l	0.50	--
Toluene	ND		ug/l	0.75	--
Ethylbenzene	ND		ug/l	0.50	--
Chloromethane	ND		ug/l	2.5	--
Bromomethane	ND		ug/l	1.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	1.0	--
1,1-Dichloroethene	ND		ug/l	0.50	--
trans-1,2-Dichloroethene	ND		ug/l	0.75	--
Trichloroethene	ND		ug/l	0.50	--
1,2-Dichlorobenzene	ND		ug/l	2.5	--
1,3-Dichlorobenzene	ND		ug/l	2.5	--
1,4-Dichlorobenzene	ND		ug/l	2.5	--

Project Name: RISDON **Lab Number:** L1108823

Project Number: 97001.00/14 **Report Date:** 07/26/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8260B
Analytical Date: 06/24/11 13:10
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Volatile Organics - Westborough Lab for sample(s): 01 Batch: WG475216-6					
Methyl tert butyl ether	ND		ug/l	1.0	--
p/m-Xylene	ND		ug/l	1.0	--
o-Xylene	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	0.50	--
Dibromomethane	ND		ug/l	5.0	--
1,2,3-Trichloropropane	ND		ug/l	5.0	--
Styrene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	5.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	5.0	--
2-Butanone	ND		ug/l	5.0	--
4-Methyl-2-pentanone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Acrylonitrile	ND		ug/l	5.0	--
Tetrahydrofuran	ND		ug/l	5.0	--
2,2-Dichloropropane	ND		ug/l	2.5	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,3-Dichloropropane	ND		ug/l	2.5	--
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--
Bromobenzene	ND		ug/l	2.5	--
n-Butylbenzene	ND		ug/l	0.50	--
sec-Butylbenzene	ND		ug/l	0.50	--
tert-Butylbenzene	ND		ug/l	2.5	--
o-Chlorotoluene	ND		ug/l	2.5	--
p-Chlorotoluene	ND		ug/l	2.5	--
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--
Hexachlorobutadiene	ND		ug/l	0.60	--
Isopropylbenzene	ND		ug/l	0.50	--
p-Isopropyltoluene	ND		ug/l	0.50	--
Naphthalene	ND		ug/l	2.5	--
n-Propylbenzene	ND		ug/l	0.50	--

Project Name: RISDON **Lab Number:** L1108823

Project Number: 97001.00/14 **Report Date:** 07/26/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8260B
Analytical Date: 06/24/11 13:10
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Volatile Organics - Westborough Lab for sample(s): 01 Batch: WG475216-6					
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.0	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	95		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.00/14

Lab Number: L1108823
Report Date: 07/26/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Volatile Organics - Westborough Lab Associated sample(s): 01-10 Batch: WG475216-1 WG475216-2								
Methylene chloride	101		102		70-130	1		30
1,1-Dichloroethane	106		106		70-130	0		30
Chloroform	96		104		70-130	8		30
Carbon tetrachloride	95		98		70-130	3		30
1,2-Dichloropropane	105		110		70-130	5		30
Dibromochloromethane	99		110		70-130	11		30
1,1,2-Trichloroethane	103		119		70-130	14		30
Tetrachloroethene	100		103		70-130	3		30
Chlorobenzene	96		104		70-130	8		30
Trichlorofluoromethane	92		94		70-130	2		30
1,2-Dichloroethane	100		110		70-130	10		30
1,1,1-Trichloroethane	96		98		70-130	2		30
Bromodichloromethane	104		116		70-130	11		30
trans-1,3-Dichloropropene	106		118		70-130	11		30
cis-1,3-Dichloropropene	101		110		70-130	9		30
1,1-Dichloropropene	99		101		70-130	2		30
Bromoform	102		116		70-130	13		30
1,1,2,2-Tetrachloroethane	107		129		70-130	19		30
Benzene	102		106		70-130	4		30
Toluene	96		102		70-130	6		30
Ethylbenzene	102		108		70-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.00/14

Lab Number: L1108823
Report Date: 07/26/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Volatile Organics - Westborough Lab Associated sample(s): 01-10 Batch: WG475216-1 WG475216-2								
Chloromethane	**68**	Q	70		70-130	3		30
Bromomethane	91		90		70-130	1		30
Vinyl chloride	82		83		70-130	1		30
Chloroethane	110		109		70-130	1		30
1,1-Dichloroethene	100		102		70-130	2		30
trans-1,2-Dichloroethene	98		101		70-130	3		30
Trichloroethene	101		105		70-130	4		30
1,2-Dichlorobenzene	98		114		70-130	15		30
1,3-Dichlorobenzene	99		114		70-130	14		30
1,4-Dichlorobenzene	98		113		70-130	14		30
Methyl tert butyl ether	99		104		70-130	5		30
p/m-Xylene	102		109		70-130	7		30
o-Xylene	99		105		70-130	6		30
cis-1,2-Dichloroethene	100		106		70-130	6		30
Dibromomethane	106		118		70-130	11		30
1,2,3-Trichloropropane	106		127		70-130	18		30
Styrene	102		106		70-130	4		30
Dichlorodifluoromethane	**45**	Q	**48**	Q	70-130	6		30
Acetone	99		102		70-130	3		30
Carbon disulfide	107		105		70-130	2		30
2-Butanone	112		122		70-130	9		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.00/14

Lab Number: L1108823
Report Date: 07/26/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Volatile Organics - Westborough Lab Associated sample(s): 01-10 Batch: WG475216-1 WG475216-2								
4-Methyl-2-pentanone	122		130		70-130	6		30
2-Hexanone	109		121		70-130	10		30
Acrylonitrile	103		110		70-130	7		30
Tetrahydrofuran	116		122		70-130	5		30
2,2-Dichloropropane	101		102		70-130	1		30
1,2-Dibromoethane	102		113		70-130	10		30
1,3-Dichloropropane	105		118		70-130	12		30
1,1,1,2-Tetrachloroethane	97		107		70-130	10		30
Bromobenzene	100		116		70-130	15		30
n-Butylbenzene	93		104		70-130	11		30
sec-Butylbenzene	98		106		70-130	8		30
tert-Butylbenzene	96		108		70-130	12		30
o-Chlorotoluene	99		111		70-130	11		30
p-Chlorotoluene	100		112		70-130	11		30
1,2-Dibromo-3-chloropropane	92		121		70-130	27		30
Hexachlorobutadiene	88		99		70-130	12		30
Isopropylbenzene	97		104		70-130	7		30
p-Isopropyltoluene	98		109		70-130	11		30
Naphthalene	104		122		70-130	16		30
n-Propylbenzene	102		110		70-130	8		30
1,2,3-Trichlorobenzene	103		118		70-130	14		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.00/14
Lab Number: L1108823
Report Date: 07/26/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Volatile Organics - Westborough Lab Associated sample(s): 01-10 Batch: WG475216-1 WG475216-2								
1,2,4-Trichlorobenzene	100		117		70-130	16		30
1,3,5-Trimethylbenzene	97		107		70-130	10		30
1,2,4-Trimethylbenzene	100		111		70-130	10		30
trans-1,4-Dichloro-2-butene	94		108		70-130	14		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	100		108		70-130	8		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	91		93		70-130
Toluene-d8	97		96		70-130
4-Bromofluorobenzene	97		102		70-130
Dibromofluoromethane	96		92		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.00/14

Lab Number: L1108823
Report Date: 07/26/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Volatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG475216-4 WG475216-5								
Methylene chloride	101		112		70-130	10		30
1,1-Dichloroethane	102		113		70-130	10		30
Chloroform	97		103		70-130	6		30
Carbon tetrachloride	91		104		70-130	13		30
1,2-Dichloropropane	106		111		70-130	5		30
Dibromochloromethane	97		107		70-130	10		30
1,1,2-Trichloroethane	106		118		70-130	11		30
Tetrachloroethene	91		102		70-130	11		30
Chlorobenzene	93		100		70-130	7		30
Trichlorofluoromethane	90		110		70-130	20		30
1,2-Dichloroethane	100		108		70-130	8		30
1,1,1-Trichloroethane	92		102		70-130	10		30
Bromodichloromethane	104		108		70-130	4		30
trans-1,3-Dichloropropene	102		110		70-130	8		30
cis-1,3-Dichloropropene	102		106		70-130	4		30
1,1-Dichloropropene	95		105		70-130	10		30
Bromoform	90		106		70-130	16		30
1,1,2,2-Tetrachloroethane	100		120		70-130	18		30
Benzene	102		110		70-130	8		30
Toluene	93		102		70-130	9		30
Ethylbenzene	97		104		70-130	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.00/14

Lab Number: L1108823
Report Date: 07/26/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Volatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG475216-4 WG475216-5								
Chloromethane	75		101		70-130	30		30
Bromomethane	85		107		70-130	23		30
Vinyl chloride	86		111		70-130	25		30
Chloroethane	105		127		70-130	19		30
1,1-Dichloroethene	95		112		70-130	16		30
trans-1,2-Dichloroethene	95		108		70-130	13		30
Trichloroethene	99		106		70-130	7		30
1,2-Dichlorobenzene	91		103		70-130	12		30
1,3-Dichlorobenzene	92		106		70-130	14		30
1,4-Dichlorobenzene	91		105		70-130	14		30
Methyl tert butyl ether	108		101		70-130	7		30
p/m-Xylene	98		106		70-130	8		30
o-Xylene	97		103		70-130	6		30
cis-1,2-Dichloroethene	102		108		70-130	6		30
Dibromomethane	108		116		70-130	7		30
1,2,3-Trichloropropane	99		116		70-130	16		30
Styrene	98		103		70-130	5		30
Dichlorodifluoromethane	**54**	Q	108		70-130	**67**	Q	30
Acetone	98		98		70-130	0		30
Carbon disulfide	96		97		70-130	1		30
2-Butanone	112		113		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.00/14

Lab Number: L1108823
Report Date: 07/26/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Volatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG475216-4 WG475216-5								
4-Methyl-2-pentanone	118		119		70-130	1		30
2-Hexanone	97		107		70-130	10		30
Acrylonitrile	116		105		70-130	10		30
Tetrahydrofuran	119		118		70-130	1		30
2,2-Dichloropropane	96		106		70-130	10		30
1,2-Dibromoethane	101		109		70-130	8		30
1,3-Dichloropropane	102		112		70-130	9		30
1,1,1,2-Tetrachloroethane	92		104		70-130	12		30
Bromobenzene	95		106		70-130	11		30
n-Butylbenzene	84		94		70-130	11		30
sec-Butylbenzene	87		98		70-130	12		30
tert-Butylbenzene	86		96		70-130	11		30
o-Chlorotoluene	91		101		70-130	10		30
p-Chlorotoluene	91		104		70-130	13		30
1,2-Dibromo-3-chloropropane	126		**134**	Q	70-130	6		30
Hexachlorobutadiene	81		90		70-130	11		30
Isopropylbenzene	91		101		70-130	10		30
p-Isopropyltoluene	89		100		70-130	12		30
Naphthalene	97		113		70-130	15		30
n-Propylbenzene	90		101		70-130	12		30
1,2,3-Trichlorobenzene	93		106		70-130	13		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.00/14
Lab Number: L1108823
Report Date: 07/26/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Volatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG475216-4 WG475216-5								
1,2,4-Trichlorobenzene	93		107		70-130	14		30
1,3,5-Trimethylbenzene	88		98		70-130	11		30
1,2,4-Trimethylbenzene	93		103		70-130	10		30
trans-1,4-Dichloro-2-butene	95		98		70-130	3		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	90		101		70-130	12		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	92		94		70-130
Toluene-d8	94		94		70-130
4-Bromofluorobenzene	94		100		70-130
Dibromofluoromethane	96		97		70-130

METALS

Project Name:	RISDON	**Lab Number:**	L1108823
Project Number:	97001.00/14	**Report Date:**	07/26/11

SAMPLE RESULTS

Lab ID:	L1108823-01	Date Collected:	06/16/11 11:11
Client ID:	MW 701A	Date Received:	06/17/11
Sample Location:	DANBURY, CT	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
CT RCP Total Metals - Westborough Lab											
Antimony, Total	ND		mg/l	0.0020	--	2	06/22/11 11:00	06/23/11 03:58	EPA 3005A	77,6020A	BM
Arsenic, Total	ND		mg/l	0.0010	--	2	06/22/11 11:00	06/23/11 03:58	EPA 3005A	77,6020A	BM
Beryllium, Total	ND		mg/l	0.0010	--	2	06/22/11 11:00	06/23/11 03:58	EPA 3005A	77,6020A	BM
Cadmium, Total	ND		mg/l	0.005	--	1	06/22/11 11:00	06/24/11 12:13	EPA 3005A	77,6010B	MG
Chromium, Total	ND		mg/l	0.01	--	1	06/22/11 11:00	06/24/11 12:13	EPA 3005A	77,6010B	MG
Copper, Total	ND		mg/l	0.010	--	1	06/22/11 11:00	06/24/11 12:13	EPA 3005A	77,6010B	MG
Lead, Total	ND		mg/l	0.010	--	1	06/22/11 11:00	06/24/11 12:13	EPA 3005A	77,6010B	MG
Mercury, Total	ND		mg/l	0.0002	--	1	06/21/11 15:38	06/22/11 15:35	EPA 7470A	77,7470A	AH
Nickel, Total	ND		mg/l	0.025	--	1	06/22/11 11:00	06/24/11 12:13	EPA 3005A	77,6010B	MG
Selenium, Total	ND		mg/l	0.010	--	1	06/22/11 11:00	06/24/11 12:13	EPA 3005A	77,6010B	MG
Silver, Total	ND		mg/l	0.007	--	1	06/22/11 11:00	06/24/11 12:13	EPA 3005A	77,6010B	MG
Thallium, Total	ND		mg/l	0.0010	--	2	06/22/11 11:00	06/23/11 03:58	EPA 3005A	77,6020A	BM
Zinc, Total	ND		mg/l	0.050	--	1	06/22/11 11:00	06/24/11 12:13	EPA 3005A	77,6010B	MG

Project Name:	RISDON	**Lab Number:**	L1108823
Project Number:	97001.00/14	**Report Date:**	07/26/11

SAMPLE RESULTS

Lab ID:	L1108823-02	Date Collected:	06/16/11 13:05
Client ID:	MW 701B	Date Received:	06/17/11
Sample Location:	DANBURY, CT	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
CT RCP Total Metals - Westborough Lab											
Antimony, Total	ND		mg/l	0.0020	--	2	06/22/11 11:00	06/23/11 04:04	EPA 3005A	77,6020A	BM
Arsenic, Total	ND		mg/l	0.0010	--	2	06/22/11 11:00	06/23/11 04:04	EPA 3005A	77,6020A	BM
Beryllium, Total	ND		mg/l	0.0010	--	2	06/22/11 11:00	06/23/11 04:04	EPA 3005A	77,6020A	BM
Cadmium, Total	ND		mg/l	0.005	--	1	06/22/11 11:00	06/24/11 12:18	EPA 3005A	77,6010B	MG
Chromium, Total	ND		mg/l	0.01	--	1	06/22/11 11:00	06/24/11 12:18	EPA 3005A	77,6010B	MG
Copper, Total	ND		mg/l	0.010	--	1	06/22/11 11:00	06/24/11 12:18	EPA 3005A	77,6010B	MG
Lead, Total	ND		mg/l	0.010	--	1	06/22/11 11:00	06/24/11 12:18	EPA 3005A	77,6010B	MG
Mercury, Total	ND		mg/l	0.0002	--	1	06/21/11 15:38	06/22/11 15:37	EPA 7470A	77,7470A	AH
Nickel, Total	ND		mg/l	0.025	--	1	06/22/11 11:00	06/24/11 12:18	EPA 3005A	77,6010B	MG
Selenium, Total	ND		mg/l	0.010	--	1	06/22/11 11:00	06/24/11 12:18	EPA 3005A	77,6010B	MG
Silver, Total	ND		mg/l	0.007	--	1	06/22/11 11:00	06/24/11 12:18	EPA 3005A	77,6010B	MG
Thallium, Total	ND		mg/l	0.0010	--	2	06/22/11 11:00	06/23/11 04:04	EPA 3005A	77,6020A	BM
Zinc, Total	ND		mg/l	0.050	--	1	06/22/11 11:00	06/24/11 12:18	EPA 3005A	77,6010B	MG

Project Name:	RISDON	**Lab Number:**	L1108823
Project Number:	97001.00/14	**Report Date:**	07/26/11

SAMPLE RESULTS

Lab ID:	L1108823-03	Date Collected:	06/16/11 14:59
Client ID:	MW 701C	Date Received:	06/17/11
Sample Location:	DANBURY, CT	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
CT RCP Total Metals - Westborough Lab											
Antimony, Total	ND		mg/l	0.0020	--	2	06/22/11 11:00	06/23/11 04:10	EPA 3005A	77,6020A	BM
Arsenic, Total	ND		mg/l	0.0010	--	2	06/22/11 11:00	06/23/11 04:10	EPA 3005A	77,6020A	BM
Beryllium, Total	ND		mg/l	0.0010	--	2	06/22/11 11:00	06/23/11 04:10	EPA 3005A	77,6020A	BM
Cadmium, Total	ND		mg/l	0.005	--	1	06/22/11 11:00	06/24/11 12:21	EPA 3005A	77,6010B	MG
Chromium, Total	ND		mg/l	0.01	--	1	06/22/11 11:00	06/24/11 12:21	EPA 3005A	77,6010B	MG
Copper, Total	ND		mg/l	0.010	--	1	06/22/11 11:00	06/24/11 12:21	EPA 3005A	77,6010B	MG
Lead, Total	ND		mg/l	0.010	--	1	06/22/11 11:00	06/24/11 12:21	EPA 3005A	77,6010B	MG
Mercury, Total	ND		mg/l	0.0002	--	1	06/21/11 15:38	06/22/11 15:39	EPA 7470A	77,7470A	AH
Nickel, Total	ND		mg/l	0.025	--	1	06/22/11 11:00	06/24/11 12:21	EPA 3005A	77,6010B	MG
Selenium, Total	ND		mg/l	0.010	--	1	06/22/11 11:00	06/24/11 12:21	EPA 3005A	77,6010B	MG
Silver, Total	ND		mg/l	0.007	--	1	06/22/11 11:00	06/24/11 12:21	EPA 3005A	77,6010B	MG
Thallium, Total	ND		mg/l	0.0010	--	2	06/22/11 11:00	06/23/11 04:10	EPA 3005A	77,6020A	BM
Zinc, Total	ND		mg/l	0.050	--	1	06/22/11 11:00	06/24/11 12:21	EPA 3005A	77,6010B	MG

Project Name:	RISDON	**Lab Number:**	L1108823
Project Number:	97001.00/14	**Report Date:**	07/26/11

SAMPLE RESULTS

Lab ID:	L1108823-04	Date Collected:	06/16/11 17:02
Client ID:	MW 702B	Date Received:	06/17/11
Sample Location:	DANBURY, CT	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
CT RCP Total Metals - Westborough Lab											
Antimony, Total	ND		mg/l	0.0020	--	2	06/22/11 11:00	06/23/11 04:28	EPA 3005A	77,6020A	BM
Arsenic, Total	ND		mg/l	0.0010	--	2	06/22/11 11:00	06/23/11 04:28	EPA 3005A	77,6020A	BM
Beryllium, Total	ND		mg/l	0.0010	--	2	06/22/11 11:00	06/23/11 04:28	EPA 3005A	77,6020A	BM
Cadmium, Total	ND		mg/l	0.005	--	1	06/22/11 11:00	06/24/11 12:23	EPA 3005A	77,6010B	MG
Chromium, Total	ND		mg/l	0.01	--	1	06/22/11 11:00	06/24/11 12:23	EPA 3005A	77,6010B	MG
Copper, Total	ND		mg/l	0.010	--	1	06/22/11 11:00	06/24/11 12:23	EPA 3005A	77,6010B	MG
Lead, Total	ND		mg/l	0.010	--	1	06/22/11 11:00	06/24/11 12:23	EPA 3005A	77,6010B	MG
Mercury, Total	ND		mg/l	0.0002	--	1	06/21/11 15:38	06/22/11 15:41	EPA 7470A	77,7470A	AH
Nickel, Total	ND		mg/l	0.025	--	1	06/22/11 11:00	06/24/11 12:23	EPA 3005A	77,6010B	MG
Selenium, Total	ND		mg/l	0.010	--	1	06/22/11 11:00	06/24/11 12:23	EPA 3005A	77,6010B	MG
Silver, Total	ND		mg/l	0.007	--	1	06/22/11 11:00	06/24/11 12:23	EPA 3005A	77,6010B	MG
Thallium, Total	ND		mg/l	0.0010	--	2	06/22/11 11:00	06/23/11 04:28	EPA 3005A	77,6020A	BM
Zinc, Total	ND		mg/l	0.050	--	1	06/22/11 11:00	06/24/11 12:23	EPA 3005A	77,6010B	MG

Project Name:	RISDON	**Lab Number:**	L1108823
Project Number:	97001.00/14	**Report Date:**	07/26/11

SAMPLE RESULTS

Lab ID:	L1108823-05	Date Collected:	06/16/11 18:47
Client ID:	MW 702A	Date Received:	06/17/11
Sample Location:	DANBURY, CT	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
CT RCP Total Metals - Westborough Lab											
Antimony, Total	ND		mg/l	0.0040	--	4	06/22/11 11:00	06/23/11 04:34	EPA 3005A	77,6020A	BM
Arsenic, Total	ND		mg/l	0.0020	--	4	06/22/11 11:00	06/23/11 04:34	EPA 3005A	77,6020A	BM
Beryllium, Total	ND		mg/l	0.0020	--	4	06/22/11 11:00	06/23/11 04:34	EPA 3005A	77,6020A	BM
Cadmium, Total	ND		mg/l	0.005	--	1	06/22/11 11:00	06/24/11 12:26	EPA 3005A	77,6010B	MG
Chromium, Total	ND		mg/l	0.01	--	1	06/22/11 11:00	06/24/11 12:26	EPA 3005A	77,6010B	MG
Copper, Total	ND		mg/l	0.010	--	1	06/22/11 11:00	06/24/11 12:26	EPA 3005A	77,6010B	MG
Lead, Total	ND		mg/l	0.010	--	1	06/22/11 11:00	06/24/11 12:26	EPA 3005A	77,6010B	MG
Mercury, Total	ND		mg/l	0.0002	--	1	06/21/11 15:38	06/22/11 15:42	EPA 7470A	77,7470A	AH
Nickel, Total	ND		mg/l	0.025	--	1	06/22/11 11:00	06/24/11 12:26	EPA 3005A	77,6010B	MG
Selenium, Total	ND		mg/l	0.010	--	1	06/22/11 11:00	06/24/11 12:26	EPA 3005A	77,6010B	MG
Silver, Total	ND		mg/l	0.007	--	1	06/22/11 11:00	06/24/11 12:26	EPA 3005A	77,6010B	MG
Thallium, Total	ND		mg/l	0.0020	--	4	06/22/11 11:00	06/23/11 04:34	EPA 3005A	77,6020A	BM
Zinc, Total	ND		mg/l	0.050	--	1	06/22/11 11:00	06/24/11 12:26	EPA 3005A	77,6010B	MG

Project Name:	RISDON	**Lab Number:**	L1108823
Project Number:	97001.00/14	**Report Date:**	07/26/11

SAMPLE RESULTS

Lab ID:	L1108823-07	Date Collected:	06/16/11 21:17
Client ID:	MS-MW-2	Date Received:	06/17/11
Sample Location:	DANBURY, CT	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
CT RCP Total Metals - Westborough Lab											
Antimony, Total	ND		mg/l	0.0020	--	2	06/22/11 11:00	06/23/11 04:40	EPA 3005A	77,6020A	BM
Arsenic, Total	ND		mg/l	0.0010	--	2	06/22/11 11:00	06/23/11 04:40	EPA 3005A	77,6020A	BM
Beryllium, Total	ND		mg/l	0.0010	--	2	06/22/11 11:00	06/23/11 04:40	EPA 3005A	77,6020A	BM
Cadmium, Total	ND		mg/l	0.005	--	1	06/22/11 11:00	06/24/11 12:28	EPA 3005A	77,6010B	MG
Chromium, Total	ND		mg/l	0.01	--	1	06/22/11 11:00	06/24/11 12:28	EPA 3005A	77,6010B	MG
Copper, Total	ND		mg/l	0.010	--	1	06/22/11 11:00	06/24/11 12:28	EPA 3005A	77,6010B	MG
Lead, Total	ND		mg/l	0.010	--	1	06/22/11 11:00	06/24/11 12:28	EPA 3005A	77,6010B	MG
Mercury, Total	ND		mg/l	0.0002	--	1	06/21/11 15:38	06/22/11 15:51	EPA 7470A	77,7470A	AH
Nickel, Total	ND		mg/l	0.025	--	1	06/22/11 11:00	06/24/11 12:28	EPA 3005A	77,6010B	MG
Selenium, Total	ND		mg/l	0.010	--	1	06/22/11 11:00	06/24/11 12:28	EPA 3005A	77,6010B	MG
Silver, Total	ND		mg/l	0.007	--	1	06/22/11 11:00	06/24/11 12:28	EPA 3005A	77,6010B	MG
Thallium, Total	ND		mg/l	0.0010	--	2	06/22/11 11:00	06/23/11 04:40	EPA 3005A	77,6020A	BM
Zinc, Total	ND		mg/l	0.050	--	1	06/22/11 11:00	06/24/11 12:28	EPA 3005A	77,6010B	MG

Project Name:	RISDON	**Lab Number:**	L1108823
Project Number:	97001.00/14	**Report Date:**	07/26/11

SAMPLE RESULTS

Lab ID:	L1108823-08	Date Collected:	06/16/11 22:28
Client ID:	MS-MW-1	Date Received:	06/17/11
Sample Location:	DANBURY, CT	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
CT RCP Total Metals - Westborough Lab											
Antimony, Total	ND		mg/l	0.0020	--	2	06/22/11 11:00	06/23/11 04:46	EPA 3005A	77,6020A	BM
Arsenic, Total	0.0011		mg/l	0.0010	--	2	06/22/11 11:00	06/23/11 04:46	EPA 3005A	77,6020A	BM
Beryllium, Total	ND		mg/l	0.0010	--	2	06/22/11 11:00	06/23/11 04:46	EPA 3005A	77,6020A	BM
Cadmium, Total	ND		mg/l	0.005	--	1	06/22/11 11:00	06/24/11 12:31	EPA 3005A	77,6010B	MG
Chromium, Total	ND		mg/l	0.01	--	1	06/22/11 11:00	06/24/11 12:31	EPA 3005A	77,6010B	MG
Copper, Total	0.014		mg/l	0.010	--	1	06/22/11 11:00	06/24/11 12:31	EPA 3005A	77,6010B	MG
Lead, Total	ND		mg/l	0.010	--	1	06/22/11 11:00	06/24/11 12:31	EPA 3005A	77,6010B	MG
Mercury, Total	0.0082		mg/l	0.0002	--	1	06/22/11 20:15	06/23/11 13:57	EPA 7470A	77,7470A	AH
Nickel, Total	ND		mg/l	0.025	--	1	06/22/11 11:00	06/24/11 12:31	EPA 3005A	77,6010B	MG
Selenium, Total	ND		mg/l	0.010	--	1	06/22/11 11:00	06/24/11 12:31	EPA 3005A	77,6010B	MG
Silver, Total	ND		mg/l	0.007	--	1	06/22/11 11:00	06/24/11 12:31	EPA 3005A	77,6010B	MG
Thallium, Total	ND		mg/l	0.0010	--	2	06/22/11 11:00	06/23/11 04:46	EPA 3005A	77,6020A	BM
Zinc, Total	0.076		mg/l	0.050	--	1	06/22/11 11:00	06/24/11 12:31	EPA 3005A	77,6010B	MG

Project Name:	RISDON	**Lab Number:**	L1108823
Project Number:	97001.00/14	**Report Date:**	07/26/11

SAMPLE RESULTS

Lab ID:	L1108823-09	Date Collected:	06/16/11 18:47
Client ID:	MW-50	Date Received:	06/17/11
Sample Location:	DANBURY, CT	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
CT RCP Total Metals - Westborough Lab											
Antimony, Total	ND		mg/l	0.0020	--	2	06/22/11 11:00	06/23/11 04:52	EPA 3005A	77,6020A	BM
Arsenic, Total	ND		mg/l	0.0010	--	2	06/22/11 11:00	06/23/11 04:52	EPA 3005A	77,6020A	BM
Beryllium, Total	ND		mg/l	0.0010	--	2	06/22/11 11:00	06/23/11 04:52	EPA 3005A	77,6020A	BM
Cadmium, Total	ND		mg/l	0.005	--	1	06/22/11 11:00	06/24/11 12:33	EPA 3005A	77,6010B	MG
Chromium, Total	ND		mg/l	0.01	--	1	06/22/11 11:00	06/24/11 12:33	EPA 3005A	77,6010B	MG
Copper, Total	ND		mg/l	0.010	--	1	06/22/11 11:00	06/24/11 12:33	EPA 3005A	77,6010B	MG
Lead, Total	ND		mg/l	0.010	--	1	06/22/11 11:00	06/24/11 12:33	EPA 3005A	77,6010B	MG
Mercury, Total	ND		mg/l	0.0002	--	1	06/21/11 15:38	06/22/11 15:55	EPA 7470A	77,7470A	AH
Nickel, Total	ND		mg/l	0.025	--	1	06/22/11 11:00	06/24/11 12:33	EPA 3005A	77,6010B	MG
Selenium, Total	ND		mg/l	0.010	--	1	06/22/11 11:00	06/24/11 12:33	EPA 3005A	77,6010B	MG
Silver, Total	ND		mg/l	0.007	--	1	06/22/11 11:00	06/24/11 12:33	EPA 3005A	77,6010B	MG
Thallium, Total	ND		mg/l	0.0010	--	2	06/22/11 11:00	06/23/11 04:52	EPA 3005A	77,6020A	BM
Zinc, Total	ND		mg/l	0.050	--	1	06/22/11 11:00	06/24/11 12:33	EPA 3005A	77,6010B	MG

Project Name: RISDON
Project Number: 97001.00/14
Lab Number: L1108823
Report Date: 07/26/11

SAMPLE RESULTS

Lab ID: L1108823-10
Client ID: MW-90
Sample Location: DANBURY, CT
Matrix: Water

Date Collected: 06/16/11 22:40
Date Received: 06/17/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
CT RCP Total Metals - Westborough Lab											
Antimony, Total	ND		mg/l	0.0010	--	1	06/22/11 11:00	06/23/11 04:59	EPA 3005A	77,6020A	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	06/22/11 11:00	06/23/11 04:59	EPA 3005A	77,6020A	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	06/22/11 11:00	06/23/11 04:59	EPA 3005A	77,6020A	BM
Cadmium, Total	ND		mg/l	0.005	--	1	06/22/11 11:00	06/24/11 12:36	EPA 3005A	77,6010B	MG
Chromium, Total	ND		mg/l	0.01	--	1	06/22/11 11:00	06/24/11 12:36	EPA 3005A	77,6010B	MG
Copper, Total	ND		mg/l	0.010	--	1	06/22/11 11:00	06/24/11 12:36	EPA 3005A	77,6010B	MG
Lead, Total	ND		mg/l	0.010	--	1	06/22/11 11:00	06/24/11 12:36	EPA 3005A	77,6010B	MG
Mercury, Total	ND		mg/l	0.0002	--	1	06/21/11 15:38	06/22/11 15:57	EPA 7470A	77,7470A	AH
Nickel, Total	ND		mg/l	0.025	--	1	06/22/11 11:00	06/24/11 12:36	EPA 3005A	77,6010B	MG
Selenium, Total	ND		mg/l	0.010	--	1	06/22/11 11:00	06/24/11 12:36	EPA 3005A	77,6010B	MG
Silver, Total	ND		mg/l	0.007	--	1	06/22/11 11:00	06/24/11 12:36	EPA 3005A	77,6010B	MG
Thallium, Total	ND		mg/l	0.0005	--	1	06/22/11 11:00	06/23/11 04:59	EPA 3005A	77,6020A	BM
Zinc, Total	ND		mg/l	0.050	--	1	06/22/11 11:00	06/24/11 12:36	EPA 3005A	77,6010B	MG

Project Name: RISDON **Lab Number:** L1108823

Project Number: 97001.00/14 **Report Date:** 07/26/11

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
CT RCP Total Metals - Westborough Lab for sample(s): 01-05,07,09-10 Batch: WG474514-1										
Mercury, Total	ND		mg/l	0.0002	--	1	06/21/11 15:38	06/22/11 15:31	77,7470A	AH

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
CT RCP Total Metals - Westborough Lab for sample(s): 01-05,07-10 Batch: WG474682-1										
Cadmium, Total	ND		mg/l	0.005	--	1	06/22/11 11:00	06/24/11 14:26	77,6010B	MG
Chromium, Total	ND		mg/l	0.01	--	1	06/22/11 11:00	06/24/11 14:26	77,6010B	MG
Copper, Total	ND		mg/l	0.010	--	1	06/22/11 11:00	06/24/11 14:26	77,6010B	MG
Lead, Total	ND		mg/l	0.010	--	1	06/22/11 11:00	06/24/11 14:26	77,6010B	MG
Nickel, Total	ND		mg/l	0.025	--	1	06/22/11 11:00	06/24/11 14:26	77,6010B	MG
Selenium, Total	ND		mg/l	0.010	--	1	06/22/11 11:00	06/24/11 14:26	77,6010B	MG
Silver, Total	ND		mg/l	0.007	--	1	06/22/11 11:00	06/24/11 14:26	77,6010B	MG
Zinc, Total	ND		mg/l	0.050	--	1	06/22/11 11:00	06/24/11 14:26	77,6010B	MG

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
CT RCP Total Metals - Westborough Lab for sample(s): 01-05,07-10 Batch: WG474683-1										
Antimony, Total	ND		mg/l	0.0010	--	1	06/22/11 11:00	06/23/11 03:46	77,6020A	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	06/22/11 11:00	06/23/11 03:46	77,6020A	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	06/22/11 11:00	06/23/11 03:46	77,6020A	BM
Thallium, Total	ND		mg/l	0.0005	--	1	06/22/11 11:00	06/23/11 03:46	77,6020A	BM

Prep Information

Digestion Method: EPA 3005A

Project Name: RISDON **Lab Number:** L1108823

Project Number: 97001.00/14 **Report Date:** 07/26/11

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
CT RCP Total Metals - Westborough Lab for sample(s): 08 Batch: WG474792-1										
Mercury, Total	ND		mg/l	0.0002	--	1	06/22/11 20:15	06/23/11 13:51	77,7470A	AH

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.00/14

Lab Number: L1108823
Report Date: 07/26/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Total Metals - Westborough Lab Associated sample(s): 01-05,07,09-10 Batch: WG474514-2								
Mercury, Total	105		-		80-120	-		20
CT RCP Total Metals - Westborough Lab Associated sample(s): 01-05,07-10 Batch: WG474682-2								
Cadmium, Total	106		-		80-120	-		20
Chromium, Total	100		-		80-120	-		20
Copper, Total	98		-		80-120	-		20
Lead, Total	105		-		80-120	-		20
Nickel, Total	99		-		80-120	-		20
Selenium, Total	118		-		80-120	-		20
Silver, Total	100		-		80-120	-		20
Zinc, Total	102		-		80-120	-		20
CT RCP Total Metals - Westborough Lab Associated sample(s): 01-05,07-10 Batch: WG474683-2								
Antimony, Total	85		-		80-120	-		20
Arsenic, Total	100		-		80-120	-		20
Beryllium, Total	94		-		80-120	-		20
Thallium, Total	87		-		80-120	-		20
CT RCP Total Metals - Westborough Lab Associated sample(s): 08 Batch: WG474792-2								
Mercury, Total	97		-		80-120	-		20

INORGANICS
&
MISCELLANEOUS

Project Name: RISDON
Project Number: 97001.00/14

Lab Number: L1108823
Report Date: 07/26/11

SAMPLE RESULTS

Lab ID: L1108823-01
Client ID: MW 701A
Sample Location: DANBURY, CT
Matrix: Water

Date Collected: 06/16/11 11:11
Date Received: 06/17/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
CT RCP General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	--	1	06/20/11 11:45	06/20/11 19:43	77,9014	JO

Project Name: RISDON
Project Number: 97001.00/14

Lab Number: L1108823
Report Date: 07/26/11

SAMPLE RESULTS

Lab ID: L1108823-02
Client ID: MW 701B
Sample Location: DANBURY, CT
Matrix: Water

Date Collected: 06/16/11 13:05
Date Received: 06/17/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
CT RCP General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.0050	--	1	06/21/11 13:45	06/21/11 18:25	77,9014	JO

Project Name: RISDON
Project Number: 97001.00/14

Lab Number: L1108823
Report Date: 07/26/11

SAMPLE RESULTS

Lab ID: L1108823-03
Client ID: MW 701C
Sample Location: DANBURY, CT
Matrix: Water

Date Collected: 06/16/11 14:59
Date Received: 06/17/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
CT RCP General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	--	1	06/21/11 13:45	06/21/11 18:26	77,9014	JO

Project Name: RISDON
Project Number: 97001.00/14

Lab Number: L1108823
Report Date: 07/26/11

SAMPLE RESULTS

Lab ID: L1108823-04
Client ID: MW 702B
Sample Location: DANBURY, CT
Matrix: Water

Date Collected: 06/16/11 17:02
Date Received: 06/17/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
CT RCP General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	--	1	06/21/11 13:45	06/21/11 18:26	77,9014	JO

Project Name: RISDON
Project Number: 97001.00/14

Lab Number: L1108823
Report Date: 07/26/11

SAMPLE RESULTS

Lab ID: L1108823-05
Client ID: MW 702A
Sample Location: DANBURY, CT
Matrix: Water

Date Collected: 06/16/11 18:47
Date Received: 06/17/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
CT RCP General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	--	1	06/20/11 11:45	06/20/11 19:37	77,9014	JO

Project Name: RISDON
Project Number: 97001.00/14

Lab Number: L1108823
Report Date: 07/26/11

SAMPLE RESULTS

Lab ID: L1108823-06
Client ID: MS-MW-4
Sample Location: DANBURY, CT
Matrix: Water

Date Collected: 06/16/11 20:04
Date Received: 06/17/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
CT RCP General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	--	1	06/20/11 11:45	06/20/11 19:38	77,9014	JO

Project Name: RISDON
Project Number: 97001.00/14

Lab Number: L1108823
Report Date: 07/26/11

SAMPLE RESULTS

Lab ID: L1108823-07
Client ID: MS-MW-2
Sample Location: DANBURY, CT
Matrix: Water

Date Collected: 06/16/11 21:17
Date Received: 06/17/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
CT RCP General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	--	1	06/20/11 11:45	06/20/11 19:39	77,9014	JO

Project Name: RISDON
Project Number: 97001.00/14

Lab Number: L1108823
Report Date: 07/26/11

SAMPLE RESULTS

Lab ID: L1108823-08
Client ID: MS-MW-1
Sample Location: DANBURY, CT
Matrix: Water

Date Collected: 06/16/11 22:28
Date Received: 06/17/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
CT RCP General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	--	1	06/20/11 11:45	06/20/11 19:39	77,9014	JO

Project Name: RISDON
Project Number: 97001.00/14

Lab Number: L1108823
Report Date: 07/26/11

SAMPLE RESULTS

Lab ID: L1108823-09
Client ID: MW-50
Sample Location: DANBURY, CT
Matrix: Water

Date Collected: 06/16/11 18:47
Date Received: 06/17/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
CT RCP General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	--	1	06/20/11 11:45	06/20/11 19:40	77,9014	JO

Project Name: RISDON
Project Number: 97001.00/14

Lab Number: L1108823
Report Date: 07/26/11

SAMPLE RESULTS

Lab ID: L1108823-10
Client ID: MW-90
Sample Location: DANBURY, CT
Matrix: Water

Date Collected: 06/16/11 22:40
Date Received: 06/17/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
CT RCP General Chemistry - Westborough Lab										
Cyanide, Total	0.005		mg/l	0.005	--	1	06/20/11 18:00	06/21/11 17:39	77,9014	JO

Project Name: RISDON **Lab Number:** L1108823

Project Number: 97001.00/14 **Report Date:** 07/26/11

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
CT RCP General Chemistry - Westborough Lab for sample(s): 01,05-09 Batch: WG474156-3										
Cyanide, Total	ND		mg/l	0.005	--	1	06/20/11 11:45	06/20/11 19:19	77,9014	JO
CT RCP General Chemistry - Westborough Lab for sample(s): 10 Batch: WG474281-1										
Cyanide, Total	ND		mg/l	0.005	--	1	06/20/11 18:00	06/21/11 17:33	77,9014	JO
CT RCP General Chemistry - Westborough Lab for sample(s): 02-04 Batch: WG474625-3										
Cyanide, Total	ND		mg/l	0.005	--	1	06/21/11 13:45	06/21/11 18:11	77,9014	JO

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.00/14

Lab Number: L1108823
Report Date: 07/26/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP General Chemistry - Westborough Lab Associated sample(s): 01,05-09 Batch: WG474156-1 WG474156-2								
Cyanide, Total	106		93		80-120	13		20
CT RCP General Chemistry - Westborough Lab Associated sample(s): 10 Batch: WG474281-2 WG474281-3								
Cyanide, Total	100		100		80-120	0		20
CT RCP General Chemistry - Westborough Lab Associated sample(s): 02-04 Batch: WG474625-1 WG474625-2								
Cyanide, Total	90		89		80-120	1		20

Project Name: RISDON
Project Number: 97001.00/14

Lab Number: L1108823
Report Date: 07/26/11

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1108823-01A	Vial HCl preserved	A	N/A	2.2	Y	Absent	CT-8260(14)
L1108823-01B	Vial HCl preserved	A	N/A	2.2	Y	Absent	CT-8260(14)
L1108823-01C	Plastic 250ml NaOH preserved	A	>12	2.2	Y	Absent	CT-TCN-9014(14)
L1108823-01D	Plastic 250ml HNO3 preserved	A	<2	2.2	Y	Absent	CT-AG-6010T(180),CT-AS-6020T(180),CT-CU-6010T(180),CT-SE-6010T(180),CT-TL-6020T(180),CT-HG-7470T(28),CT-BE-6020T(180),CT-NI-6010T(180),CT-PB-6010T(180),CT-SB-6020T(180),CT-CR-6010T(180),CT-ZN-6010T(180),CT-CD-6010T(180)
L1108823-02A	Vial HCl preserved	A	N/A	2.2	Y	Absent	CT-8260(14)
L1108823-02B	Vial HCl preserved	A	N/A	2.2	Y	Absent	CT-8260(14)
L1108823-02C	Plastic 250ml NaOH preserved	A	>12	2.2	Y	Absent	CT-TCN-9014(14)
L1108823-02D	Plastic 250ml HNO3 preserved	A	<2	2.2	Y	Absent	CT-AG-6010T(180),CT-AS-6020T(180),CT-CU-6010T(180),CT-SE-6010T(180),CT-TL-6020T(180),CT-HG-7470T(28),CT-BE-6020T(180),CT-NI-6010T(180),CT-PB-6010T(180),CT-SB-6020T(180),CT-CR-6010T(180),CT-ZN-6010T(180),CT-CD-6010T(180)
L1108823-03A	Vial HCl preserved	A	N/A	2.2	Y	Absent	CT-8260(14)
L1108823-03B	Vial HCl preserved	A	N/A	2.2	Y	Absent	CT-8260(14)
L1108823-03C	Plastic 250ml NaOH preserved	A	>12	2.2	Y	Absent	CT-TCN-9014(14)

*Values in parentheses indicate holding time in days

Project Name: RISDON
Project Number: 97001.00/14

Lab Number: L1108823
Report Date: 07/26/11

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1108823-03D	Plastic 250ml HNO3 preserved	A	<2	2.2	Y	Absent	CT-AG-6010T(180),CT-AS-6020T(180),CT-CU-6010T(180),CT-SE-6010T(180),CT-TL-6020T(180),CT-HG-7470T(28),CT-BE-6020T(180),CT-NI-6010T(180),CT-PB-6010T(180),CT-SB-6020T(180),CT-CR-6010T(180),CT-ZN-6010T(180),CT-CD-6010T(180)
L1108823-04A	Vial HCl preserved	A	N/A	2.2	Y	Absent	CT-8260(14)
L1108823-04B	Vial HCl preserved	A	N/A	2.2	Y	Absent	CT-8260(14)
L1108823-04C	Plastic 250ml NaOH preserved	A	>12	2.2	Y	Absent	CT-TCN-9014(14)
L1108823-04D	Plastic 250ml HNO3 preserved	A	<2	2.2	Y	Absent	CT-AG-6010T(180),CT-AS-6020T(180),CT-CU-6010T(180),CT-SE-6010T(180),CT-TL-6020T(180),CT-HG-7470T(28),CT-BE-6020T(180),CT-NI-6010T(180),CT-PB-6010T(180),CT-SB-6020T(180),CT-CR-6010T(180),CT-ZN-6010T(180),CT-CD-6010T(180)
L1108823-05A	Vial HCl preserved	A	N/A	2.2	Y	Absent	CT-8260(14)
L1108823-05B	Vial HCl preserved	A	N/A	2.2	Y	Absent	CT-8260(14)
L1108823-05C	Plastic 250ml NaOH preserved	A	>12	2.2	Y	Absent	CT-TCN-9014(14)
L1108823-05D	Plastic 250ml HNO3 preserved	A	<2	2.2	Y	Absent	CT-AG-6010T(180),CT-AS-6020T(180),CT-CU-6010T(180),CT-SE-6010T(180),CT-TL-6020T(180),CT-HG-7470T(28),CT-BE-6020T(180),CT-NI-6010T(180),CT-PB-6010T(180),CT-SB-6020T(180),CT-CR-6010T(180),CT-ZN-6010T(180),CT-CD-6010T(180)
L1108823-06A	Vial HCl preserved	A	N/A	2.2	Y	Absent	CT-8260(14)
L1108823-06B	Vial HCl preserved	A	N/A	2.2	Y	Absent	CT-8260(14)
L1108823-06C	Plastic 250ml NaOH preserved	A	>12	2.2	Y	Absent	CT-TCN-9014(14)
L1108823-07A	Vial HCl preserved	A	N/A	2.2	Y	Absent	CT-8260(14)
L1108823-07B	Vial HCl preserved	A	N/A	2.2	Y	Absent	CT-8260(14)
L1108823-07C	Plastic 250ml NaOH preserved	A	>12	2.2	Y	Absent	CT-TCN-9014(14)

*Values in parentheses indicate holding time in days

Project Name: RISDON
Project Number: 97001.00/14

Lab Number: L1108823
Report Date: 07/26/11

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1108823-07D	Plastic 250ml HNO3 preserved	A	<2	2.2	Y	Absent	CT-AG-6010T(180),CT-AS-6020T(180),CT-CU-6010T(180),CT-SE-6010T(180),CT-TL-6020T(180),CT-HG-7470T(28),CT-BE-6020T(180),CT-NI-6010T(180),CT-PB-6010T(180),CT-SB-6020T(180),CT-CR-6010T(180),CT-ZN-6010T(180),CT-CD-6010T(180)
L1108823-08A	Vial HCl preserved	A	N/A	2.2	Y	Absent	CT-8260(14)
L1108823-08B	Vial HCl preserved	A	N/A	2.2	Y	Absent	CT-8260(14)
L1108823-08C	Plastic 250ml NaOH preserved	A	>12	2.2	Y	Absent	CT-TCN-9014(14)
L1108823-08D	Plastic 250ml HNO3 preserved	A	<2	2.2	Y	Absent	CT-AG-6010T(180),CT-AS-6020T(180),CT-CU-6010T(180),CT-SE-6010T(180),CT-TL-6020T(180),CT-HG-7470T(28),CT-BE-6020T(180),CT-NI-6010T(180),CT-PB-6010T(180),CT-SB-6020T(180),CT-CR-6010T(180),CT-ZN-6010T(180),CT-CD-6010T(180)
L1108823-09A	Vial HCl preserved	A	N/A	2.2	Y	Absent	CT-8260(14)
L1108823-09B	Vial HCl preserved	A	N/A	2.2	Y	Absent	CT-8260(14)
L1108823-09C	Plastic 250ml NaOH preserved	A	>12	2.2	Y	Absent	CT-TCN-9014(14)
L1108823-09D	Plastic 250ml HNO3 preserved	A	<2	2.2	Y	Absent	CT-AG-6010T(180),CT-AS-6020T(180),CT-CU-6010T(180),CT-SE-6010T(180),CT-TL-6020T(180),CT-HG-7470T(28),CT-BE-6020T(180),CT-NI-6010T(180),CT-PB-6010T(180),CT-SB-6020T(180),CT-CR-6010T(180),CT-ZN-6010T(180),CT-CD-6010T(180)
L1108823-10A	Vial HCl preserved	A	N/A	2.2	Y	Absent	CT-8260(14)
L1108823-10B	Vial HCl preserved	A	N/A	2.2	Y	Absent	CT-8260(14)
L1108823-10C	Plastic 250ml NaOH preserved	A	>12	2.2	Y	Absent	CT-TCN-9014(14)

*Values in parentheses indicate holding time in days

Project Name: RISDON
Project Number: 97001.00/14

Lab Number: L1108823
Report Date: 07/26/11

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1108823-10D	Plastic 250ml HNO3 preserved	A	<2	2.2	Y	Absent	CT-AG-6010T(180),CT-AS-6020T(180),CT-CU-6010T(180),CT-SE-6010T(180),CT-TL-6020T(180),CT-HG-7470T(28),CT-BE-6020T(180),CT-NI-6010T(180),CT-PB-6010T(180),CT-SB-6020T(180),CT-CR-6010T(180),CT-ZN-6010T(180),CT-CD-6010T(180)

Container Comments

L1108823-08D

*Values in parentheses indicate holding time in days

Project Name: RISDON **Lab Number:** L1108823

Project Number: 97001.00/14 **Report Date:** 07/26/11

GLOSSARY

Acronyms

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less

Report Format: Data Usability Report

Project Name:	RISDON	**Lab Number:**	L1108823
Project Number:	97001.00/14	**Report Date:**	07/26/11

Data Qualifiers

than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

REFERENCES

77 Connecticut DEP Quality Assurance and Quality Control Requirements for SW-846 Methods. CTDEP Reasonable Confidence Protocols (RCPs). Version 1.0, July 2005.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised June 7, 2011 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

*Solid Waste/Soil (*Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl, V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, 9050A, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3580A, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270C-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 7196A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 8270C-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Organic Parameters: EPA 524.2)

Non-Potable Water (Inorganic Parameters: EPA 1312. Organic Parameters: EPA 3510C, 5030B, 625, 624, 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 6010B, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3545, 3546, 3550B,

3580A, 3630C, 5035, 8015B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2¯D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Department of Defense Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix.

CHAIN OF CUSTODY

PAGE 1 OF

Date Rec'd in Lab: 6/17/11

ALPHA Job #: L1108823

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Woodard & Curran
Address: 35 New England Business Center, Andover MA 01810
Phone: 978 557 8150
Fax: 978 557 7946
Email:

☒ These samples have been previously analyzed by Alpha

Project Information

Project Name: Risdon
Project Location: Danbury CT
Project #: 97001.00 / 14
Project Manager: Mike Afflebaum
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 6/24/11 Time:

Report Information - Data Deliverables

☐ FAX ☐ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program CT RCP Criteria

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☒ No Are MCP Analytical Methods Required?
☐ Yes ☒ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☒ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All ***CAM*** methods for inorganic analyses require MS every 20 soil samples)

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	CT RCP	Total Cyanide	PP 13 Metals	Sample Specific Comments	TOTAL # BOTTLES
08823.1	MW 701A	6/16/11	11"	GW	WCD	2	1	1	Arsenic + beryllium are to be analyzed via EPA 6020 and mercury via 7470A.	
2	MW 701B	6/16/11	13^05	GW	WCD	2	1	1		
3	MW 701C	6/16/11	14^59	GW	WCD	2	1	1		
4	MW 702B	6/16/11	17^02	GW	WCD	2	1	1		
5	MW 702A	6/16/11	18^47	GW	WCD	2	1	1		
6	MS: MW-4	6/16/11	20^04	GW	WCD	2	1			
7	MS: MW-7	6/16/11	21^17	GW	WCD	2	1	1		
8	MS: MW-1	6/16/11	22^28	GW	WCD	2	1	1		
9	MW-50	6/16/11	18^47	GW	WCD	2	1	1		
10	MW-90	6/16/11	22^40	GW	WCD	2	1	1		
					Container Type	V	P	P		
					Preservative	B	C	E		

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
MCP	6/17/11 9^00	[illegible]	6/17/11 1635
[illegible]	6/17/11 1805	[illegible]	6/17/11 1805

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

Serial_No:07261119:29

CHAIN OF CUSTODY

PAGE 2 OF 2

Date Rec'd in Lab: 6/17/11

ALPHA Job #: L1108823

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Woodard + Curran
Address: 35 New England Business Center, Andover MA 01810
Phone: 978 557 8150
Fax: 978 557 7946
Email:

☒ These samples have been previously analyzed by Alpha

Project Information

Project Name: Risdon
Project Location: Danbury CT
Project #: 97001.00/14
Project Manager: Mike Afflebaum
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 6/24/11 Time:

Report Information - Data Deliverables

☐ FAX ☐ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program: CT RCP Criteria

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☒ No Are MCP Analytical Methods Required?
☐ Yes ☒ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☒ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All ***CAM*** methods for inorganic analyses require MS every 20 soil samples)

SAMPLE HANDLING

Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: CT RCP 8260B	Sample Specific Comments	TOTAL # BOTTLES
08823.11	Trip blank	—	—	—	Lab	2		

Container Type	✓
Preservative	B

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	6/17/11 9:00	[signature]	6/17/11 1135
[signature]	6/17/11 1805	[signature]	6/17/11 1805

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

ANALYTICAL REPORT

Lab Number:	L1109724
Client:	Woodard & Curran 35 New England Business Center Drive Suite 180 Andover, MA 01810
ATTN:	Cathy Rockwell
Phone:	(978) 557-8150
Project Name:	RISDON
Project Number:	97001.01
Report Date:	07/08/11

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: RISDON
Project Number: 97001.01

Lab Number: L1109724
Report Date: 07/08/11

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1109724-01	MW-7	DANBURY, CT	06/30/11 09:17
L1109724-02	TRIP BLANK	DANBURY, CT	06/30/11 00:00

Project Name: RISDON
Project Number: 97001.01

Lab Number: L1109724
Report Date: 07/08/11

CT DEP Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	YES
1a	Were the method specified preservation and holding time requirements met?	YES
1b	VPH & EPH Methods Only: Was the VPH or EPH Method conducted without significant modifications (see Section 11.3 of respective Methods)?	N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	YES
3	Were all samples received at an appropriate temperature (<6°C)?	YES
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	NO
5a	Were reporting limits specified or referenced on the chain-of-custody?	YES
5b	Were these reporting limits met?	NO
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	NO
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	NO

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or question B is "No", the data package does not meet the requirements for "Reasonable Confidence".

Project Name: RISDON **Lab Number:** L1109724
Project Number: 97001.01 **Report Date:** 07/08/11

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

RCP Related Narratives

Volatile Organics

The initial calibration, associated with L1109724-01 and -02, utilized a quadratic fit for Bromomethane, Acetone, Carbon Disulfide, and Hexachlorobutadiene.

Curve Fit Quadratic:

y = b + (m1 * x) + (m2 * x^2)

Where:

Y= Amount unknown/Amount Internal Standard

x = Response unknown/Response internal standard

b= Constant

m1= Linear Term

m2= Quadratic Term

Project Name: RISDON **Lab Number:** L1109724
Project Number: 97001.01 **Report Date:** 07/08/11

Case Narrative (continued)

In reference to question 4:

The WG477889-1/-2 LCS/LCSD recoveries, associated with L1109724-01 and -02, are below the individual acceptance criteria for trans-1,3-Dichloropropene (66%/69%) and n-Butylbenzene (67%/66%), but within the overall method allowances. The results of the associated samples are reported; however, all results are considered to have a potentially low bias for these compounds.

In reference to question 5b:

One or more of the target analytes did not achieve the requested regulatory limits.

Metals

In reference to question 6:

At the client's request, all submitted samples were not analyzed for the full RCP list of constituents identified in the method specific analyte list presented in the RCP documents.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cynthia McQueen

Title: Technical Director/Representative Date: 07/08/11

ORGANICS

VOLATILES

Project Name: RISDON **Lab Number:** L1109724

Project Number: 97001.01 **Report Date:** 07/08/11

SAMPLE RESULTS

Lab ID:	L1109724-01	Date Collected:	06/30/11 09:17
Client ID:	MW-7	Date Received:	06/30/11
Sample Location:	DANBURY, CT	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	77,8260B		
Analytical Date:	07/08/11 09:34		
Analyst:	MM		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	1.6		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	1.0		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	45		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: RISDON **Lab Number:** L1109724

Project Number: 97001.01 **Report Date:** 07/08/11

SAMPLE RESULTS

Lab ID: L1109724-01 Date Collected: 06/30/11 09:17

Client ID: MW-7 Date Received: 06/30/11

Sample Location: DANBURY, CT Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	2.8		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Acrylonitrile	ND		ug/l	5.0	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.60	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.0	--	1

Project Name: RISDON **Lab Number:** L1109724

Project Number: 97001.01 **Report Date:** 07/08/11

SAMPLE RESULTS

Lab ID:	L1109724-01	Date Collected:	06/30/11 09:17
Client ID:	MW-7	Date Received:	06/30/11
Sample Location:	DANBURY, CT	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	104		70-130

Project Name: RISDON **Lab Number:** L1109724

Project Number: 97001.01 **Report Date:** 07/08/11

SAMPLE RESULTS

Lab ID:	L1109724-02	Date Collected:	06/30/11 00:00
Client ID:	TRIP BLANK	Date Received:	06/30/11
Sample Location:	DANBURY, CT	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	77,8260B		
Analytical Date:	07/08/11 09:03		
Analyst:	MM		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: RISDON **Lab Number:** L1109724

Project Number: 97001.01 **Report Date:** 07/08/11

SAMPLE RESULTS

Lab ID: L1109724-02 Date Collected: 06/30/11 00:00

Client ID: TRIP BLANK Date Received: 06/30/11

Sample Location: DANBURY, CT Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Acrylonitrile	ND		ug/l	5.0	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.60	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.0	--	1

Project Name: RISDON **Lab Number:** L1109724

Project Number: 97001.01 **Report Date:** 07/08/11

SAMPLE RESULTS

Lab ID:	L1109724-02	Date Collected:	06/30/11 00:00
Client ID:	TRIP BLANK	Date Received:	06/30/11
Sample Location:	DANBURY, CT	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	103		70-130

Project Name: RISDON **Lab Number:** L1109724

Project Number: 97001.01 **Report Date:** 07/08/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8260B
Analytical Date: 07/08/11 08:31
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Volatile Organics - Westborough Lab for sample(s): 01-02 Batch: WG477889-3					
Methylene chloride	ND		ug/l	5.0	--
1,1-Dichloroethane	ND		ug/l	0.75	--
Chloroform	ND		ug/l	0.75	--
Carbon tetrachloride	ND		ug/l	0.50	--
1,2-Dichloropropane	ND		ug/l	1.8	--
Dibromochloromethane	ND		ug/l	0.50	--
1,1,2-Trichloroethane	ND		ug/l	0.75	--
Tetrachloroethene	ND		ug/l	0.50	--
Chlorobenzene	ND		ug/l	0.50	--
Trichlorofluoromethane	ND		ug/l	2.5	--
1,2-Dichloroethane	ND		ug/l	0.50	--
1,1,1-Trichloroethane	ND		ug/l	0.50	--
Bromodichloromethane	ND		ug/l	0.50	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
1,1-Dichloropropene	ND		ug/l	2.5	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--
Benzene	ND		ug/l	0.50	--
Toluene	ND		ug/l	0.75	--
Ethylbenzene	ND		ug/l	0.50	--
Chloromethane	ND		ug/l	2.5	--
Bromomethane	ND		ug/l	1.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	1.0	--
1,1-Dichloroethene	ND		ug/l	0.50	--
trans-1,2-Dichloroethene	ND		ug/l	0.75	--
Trichloroethene	ND		ug/l	0.50	--
1,2-Dichlorobenzene	ND		ug/l	2.5	--
1,3-Dichlorobenzene	ND		ug/l	2.5	--
1,4-Dichlorobenzene	ND		ug/l	2.5	--

Project Name: RISDON **Lab Number:** L1109724

Project Number: 97001.01 **Report Date:** 07/08/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8260B
Analytical Date: 07/08/11 08:31
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Volatile Organics - Westborough Lab for sample(s): 01-02 Batch: WG477889-3					
Methyl tert butyl ether	ND		ug/l	1.0	--
p/m-Xylene	ND		ug/l	1.0	--
o-Xylene	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	0.50	--
Dibromomethane	ND		ug/l	5.0	--
1,2,3-Trichloropropane	ND		ug/l	5.0	--
Styrene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	5.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	5.0	--
2-Butanone	ND		ug/l	5.0	--
4-Methyl-2-pentanone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Acrylonitrile	ND		ug/l	5.0	--
Tetrahydrofuran	ND		ug/l	5.0	--
2,2-Dichloropropane	ND		ug/l	2.5	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,3-Dichloropropane	ND		ug/l	2.5	--
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--
Bromobenzene	ND		ug/l	2.5	--
n-Butylbenzene	ND		ug/l	0.50	--
sec-Butylbenzene	ND		ug/l	0.50	--
tert-Butylbenzene	ND		ug/l	2.5	--
o-Chlorotoluene	ND		ug/l	2.5	--
p-Chlorotoluene	ND		ug/l	2.5	--
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--
Hexachlorobutadiene	ND		ug/l	0.60	--
Isopropylbenzene	ND		ug/l	0.50	--
p-Isopropyltoluene	ND		ug/l	0.50	--
Naphthalene	ND		ug/l	2.5	--
n-Propylbenzene	ND		ug/l	0.50	--

Project Name: RISDON **Lab Number:** L1109724

Project Number: 97001.01 **Report Date:** 07/08/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8260B
Analytical Date: 07/08/11 08:31
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Volatile Organics - Westborough Lab for sample(s): 01-02 Batch: WG477889-3					
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.0	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	104		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.01

Lab Number: L1109724
Report Date: 07/08/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Volatile Organics - Westborough Lab Associated sample(s): 01-02 Batch: WG477889-1 WG477889-2								
Methylene chloride	91		89		70-130	2		30
1,1-Dichloroethane	89		86		70-130	3		30
Chloroform	90		88		70-130	2		30
Carbon tetrachloride	77		79		70-130	3		30
1,2-Dichloropropane	87		87		70-130	0		30
Dibromochloromethane	72		74		70-130	3		30
1,1,2-Trichloroethane	85		86		70-130	1		30
Tetrachloroethene	90		90		70-130	0		30
Chlorobenzene	80		79		70-130	1		30
Trichlorofluoromethane	95		94		70-130	1		30
1,2-Dichloroethane	87		84		70-130	4		30
1,1,1-Trichloroethane	82		83		70-130	1		30
Bromodichloromethane	82		84		70-130	2		30
trans-1,3-Dichloropropene	**66**	Q	**69**	Q	70-130	4		30
cis-1,3-Dichloropropene	74		76		70-130	3		30
1,1-Dichloropropene	88		88		70-130	0		30
Bromoform	71		75		70-130	5		30
1,1,2,2-Tetrachloroethane	84		86		70-130	2		30
Benzene	89		86		70-130	3		30
Toluene	82		82		70-130	0		30
Ethylbenzene	83		82		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.01

Lab Number: L1109724
Report Date: 07/08/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Volatile Organics - Westborough Lab Associated sample(s): 01-02 Batch: WG477889-1 WG477889-2								
Chloromethane	86		85		70-130	1		30
Bromomethane	87		84		70-130	4		30
Vinyl chloride	88		87		70-130	1		30
Chloroethane	92		92		70-130	0		30
1,1-Dichloroethene	88		88		70-130	0		30
trans-1,2-Dichloroethene	92		89		70-130	3		30
Trichloroethene	87		86		70-130	1		30
1,2-Dichlorobenzene	83		82		70-130	1		30
1,3-Dichlorobenzene	85		85		70-130	0		30
1,4-Dichlorobenzene	84		84		70-130	0		30
Methyl tert butyl ether	95		94		70-130	1		30
p/m-Xylene	84		83		70-130	1		30
o-Xylene	86		85		70-130	1		30
cis-1,2-Dichloroethene	88		88		70-130	0		30
Dibromomethane	96		93		70-130	3		30
1,2,3-Trichloropropane	88		92		70-130	4		30
Styrene	82		80		70-130	2		30
Dichlorodifluoromethane	89		88		70-130	1		30
Acetone	89		89		70-130	0		30
Carbon disulfide	82		80		70-130	2		30
2-Butanone	94		95		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.01

Lab Number: L1109724
Report Date: 07/08/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Volatile Organics - Westborough Lab Associated sample(s): 01-02 Batch: WG477889-1 WG477889-2								
4-Methyl-2-pentanone	85		85		70-130	0		30
2-Hexanone	81		79		70-130	3		30
Acrylonitrile	94		95		70-130	1		30
Tetrahydrofuran	92		89		70-130	3		30
2,2-Dichloropropane	81		82		70-130	1		30
1,2-Dibromoethane	85		87		70-130	2		30
1,3-Dichloropropane	88		86		70-130	2		30
1,1,1,2-Tetrachloroethane	74		78		70-130	5		30
Bromobenzene	86		86		70-130	0		30
n-Butylbenzene	**67**	Q	**66**	Q	70-130	2		30
sec-Butylbenzene	85		86		70-130	1		30
tert-Butylbenzene	85		86		70-130	1		30
o-Chlorotoluene	82		82		70-130	0		30
p-Chlorotoluene	83		83		70-130	0		30
1,2-Dibromo-3-chloropropane	82		84		70-130	2		30
Hexachlorobutadiene	94		96		70-130	2		30
Isopropylbenzene	84		82		70-130	2		30
p-Isopropyltoluene	87		88		70-130	1		30
Naphthalene	83		84		70-130	1		30
n-Propylbenzene	82		82		70-130	0		30
1,2,3-Trichlorobenzene	94		94		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.01
Lab Number: L1109724
Report Date: 07/08/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Volatile Organics - Westborough Lab Associated sample(s): 01-02 Batch: WG477889-1 WG477889-2								
1,2,4-Trichlorobenzene	91		92		70-130	1		30
1,3,5-Trimethylbenzene	79		80		70-130	1		30
1,2,4-Trimethylbenzene	84		84		70-130	0		30
trans-1,4-Dichloro-2-butene	84		90		70-130	7		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	95		92		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		98		70-130
Toluene-d8	98		99		70-130
4-Bromofluorobenzene	98		102		70-130
Dibromofluoromethane	100		101		70-130

METALS

Project Name:	RISDON	**Lab Number:**	L1109724
Project Number:	97001.01	**Report Date:**	07/08/11

SAMPLE RESULTS

Lab ID:	L1109724-01	Date Collected:	06/30/11 09:17
Client ID:	MW-7	Date Received:	06/30/11
Sample Location:	DANBURY, CT	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
CT RCP Total Metals - Westborough Lab											
Antimony, Total	ND		mg/l	0.0010	--	1	07/03/11 12:15	07/06/11 06:15	EPA 3005A	77,6020A	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	07/03/11 12:15	07/06/11 06:15	EPA 3005A	77,6020A	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	07/03/11 12:15	07/06/11 06:15	EPA 3005A	77,6020A	BM
Cadmium, Total	ND		mg/l	0.005	--	1	07/03/11 12:15	07/08/11 15:04	EPA 3005A	77,6010B	AI
Chromium, Total	ND		mg/l	0.01	--	1	07/03/11 12:15	07/08/11 15:04	EPA 3005A	77,6010B	AI
Copper, Total	ND		mg/l	0.010	--	1	07/03/11 12:15	07/08/11 15:04	EPA 3005A	77,6010B	AI
Lead, Total	ND		mg/l	0.010	--	1	07/03/11 12:15	07/08/11 15:04	EPA 3005A	77,6010B	AI
Mercury, Total	ND		mg/l	0.0002	--	1	07/05/11 17:15	07/06/11 12:47	EPA 7470A	77,7470A	AH
Nickel, Total	ND		mg/l	0.025	--	1	07/03/11 12:15	07/08/11 15:04	EPA 3005A	77,6010B	AI
Selenium, Total	ND		mg/l	0.010	--	1	07/03/11 12:15	07/08/11 15:04	EPA 3005A	77,6010B	AI
Silver, Total	ND		mg/l	0.007	--	1	07/03/11 12:15	07/08/11 15:04	EPA 3005A	77,6010B	AI
Thallium, Total	ND		mg/l	0.0005	--	1	07/03/11 12:15	07/06/11 06:15	EPA 3005A	77,6020A	BM
Zinc, Total	ND		mg/l	0.050	--	1	07/03/11 12:15	07/08/11 15:04	EPA 3005A	77,6010B	AI

Project Name: RISDON **Lab Number:** L1109724

Project Number: 97001.01 **Report Date:** 07/08/11

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
CT RCP Total Metals - Westborough Lab for sample(s): 01 Batch: WG476942-1										
Antimony, Total	ND		mg/l	0.0010	--	1	07/03/11 12:15	07/06/11 01:49	77,6020A	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	07/03/11 12:15	07/06/11 01:49	77,6020A	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	07/03/11 12:15	07/06/11 01:49	77,6020A	BM
Thallium, Total	ND		mg/l	0.0005	--	1	07/03/11 12:15	07/06/11 01:49	77,6020A	BM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
CT RCP Total Metals - Westborough Lab for sample(s): 01 Batch: WG477202-1										
Mercury, Total	ND		mg/l	0.0002	--	1	07/05/11 17:15	07/06/11 12:36	77,7470A	AH

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
CT RCP Total Metals - Westborough Lab for sample(s): 01 Batch: WG477920-1										
Cadmium, Total	ND		mg/l	0.005	--	1	07/03/11 12:15	07/08/11 14:58	77,6010B	AI
Chromium, Total	ND		mg/l	0.01	--	1	07/03/11 12:15	07/08/11 14:58	77,6010B	AI
Copper, Total	ND		mg/l	0.010	--	1	07/03/11 12:15	07/08/11 14:58	77,6010B	AI
Lead, Total	ND		mg/l	0.010	--	1	07/03/11 12:15	07/08/11 14:58	77,6010B	AI
Nickel, Total	ND		mg/l	0.025	--	1	07/03/11 12:15	07/08/11 14:58	77,6010B	AI
Selenium, Total	ND		mg/l	0.010	--	1	07/03/11 12:15	07/08/11 14:58	77,6010B	AI
Silver, Total	ND		mg/l	0.007	--	1	07/03/11 12:15	07/08/11 14:58	77,6010B	AI
Zinc, Total	ND		mg/l	0.050	--	1	07/03/11 12:15	07/08/11 14:58	77,6010B	AI

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.01

Lab Number: L1109724
Report Date: 07/08/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG476942-2								
Antimony, Total	94		-		80-120	-		20
Arsenic, Total	103		-		80-120	-		20
Beryllium, Total	95		-		80-120	-		20
Thallium, Total	94		-		80-120	-		20
CT RCP Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG477202-2								
Mercury, Total	101		-		80-120	-		20
CT RCP Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG477920-2								
Cadmium, Total	107		-		80-120	-		20
Chromium, Total	95		-		80-120	-		20
Copper, Total	98		-		80-120	-		20
Lead, Total	106		-		80-120	-		20
Nickel, Total	99		-		80-120	-		20
Selenium, Total	109		-		80-120	-		20
Silver, Total	98		-		80-120	-		20
Zinc, Total	100		-		80-120	-		20

INORGANICS
&
MISCELLANEOUS

Project Name: RISDON
Project Number: 97001.01

Lab Number: L1109724
Report Date: 07/08/11

SAMPLE RESULTS

Lab ID: L1109724-01
Client ID: MW-7
Sample Location: DANBURY, CT
Matrix: Water

Date Collected: 06/30/11 09:17
Date Received: 06/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
CT RCP General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	--	1	07/05/11 09:30	07/05/11 15:25	77,9014	JO

Project Name: RISDON **Lab Number:** L1109724

Project Number: 97001.01 **Report Date:** 07/08/11

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
CT RCP General Chemistry - Westborough Lab for sample(s): 01 Batch: WG477036-3										
Cyanide, Total	ND		mg/l	0.005	--	1	07/05/11 09:30	07/05/11 15:18	77,9014	JO

Lab Control Sample Analysis

Batch Quality Control

Project Name: RISDON

Project Number: 97001.01

Lab Number: L1109724

Report Date: 07/08/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG477036-1 WG477036-2								
Cyanide, Total	98		89		80-120	10		20

Project Name: RISDON
Project Number: 97001.01

Lab Number: L1109724
Report Date: 07/08/11

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1109724-01A	Vial HCl preserved	A	N/A	3.6	Y	Absent	CT-8260(14)
L1109724-01B	Vial HCl preserved	A	N/A	3.6	Y	Absent	CT-8260(14)
L1109724-01C	Plastic 250ml HNO3 preserved	A	<2	3.6	Y	Absent	CT-AG-6010T(180),CT-AS-6020T(180),CT-CU-6010T(180),CT-SE-6010T(180),CT-TL-6020T(180),CT-HG-7470T(28),CT-BE-6020T(180),CT-NI-6010T(180),CT-PB-6010T(180),CT-SB-6020T(180),CT-CR-6010T(180),CT-ZN-6010T(180),CT-CD-6010T(180)
L1109724-01D	Plastic 250ml NaOH preserved	A	>12	3.6	Y	Absent	CT-TCN-9014(14)
L1109724-02A	Vial HCl preserved	A	N/A	3.6	Y	Absent	CT-8260(14)

Container Comments

L1109724-01A

L1109724-02A

*Values in parentheses indicate holding time in days

Project Name: RISDON **Lab Number:** L1109724

Project Number: 97001.01 **Report Date:** 07/08/11

GLOSSARY

Acronyms

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less

Report Format: Data Usability Report

Project Name: RISDON **Lab Number:** L1109724

Project Number: 97001.01 **Report Date:** 07/08/11

Data Qualifiers

than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name: RISDON **Lab Number:** L1109724
Project Number: 97001.01 **Report Date:** 07/08/11

REFERENCES

77 Connecticut DEP Quality Assurance and Quality Control Requirements for SW-846 Methods. CTDEP Reasonable Confidence Protocols (RCPs). Version 1.0, July 2005.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised June 7, 2011 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

*Solid Waste/Soil (*Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl, V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, 9050A, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3580A, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270C-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 7196A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 8270C-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Organic Parameters: EPA 524.2)

Non-Potable Water (Inorganic Parameters: EPA 1312. Organic Parameters: EPA 3510C, 5030B, 625, 624, 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 6010B, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3545, 3546, 3550B,

3580A, 3630C, 5035, 8015B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2¯D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Department of Defense Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 6/30/11

ALPHA Job #: L1109724

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Woodard + Curran
Address: 35 New England Business Center, Andover MA 01810
Phone: 978 557 8150
Fax: 978 557 9948
Email:
☑ These samples have been previously analyzed by Alpha

Project Information

Project Name: Risdon
Project Location: Danbury CT
Project #: 97001.01
Project Manager: Cathy Rockwell
ALPHA Quote #:

Turn-Around Time

☑ Standard 5 Day ☐ RUSH (only confirmed if pre-approved!)
Date Due: 7/8/11 Time:

Report Information - Data Deliverables

☐ FAX ☐ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program: CT RSRS Criteria: CT RCP

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☑ No Are MCP Analytical Methods Required?
☐ Yes ☑ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☑ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	CT 8260B	13 PP metals	Cyanide (Total)	Sample Specific Comments	TOTAL # BOTTLES
09724 1	MW-7	6/30/11	917	GW	KCD	2	1	1	arsenic + beryllium are to be analyzed via EPA 6020 and Mercury via EPA 7470A	
2	Trip Blank	6/30/11	/ Lab	Reagent		1				

Container Type	V	P	P
Preservative	B	C	E

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
KCD	6/30/11 1300	[illegible]	6/30/11 [illegible]
[illegible]	6/30/11 1700	[illegible]	6/30/11 17[illegible]

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

APPENDIX H: BIOCHLOR INPUT PARAMETERS

BIOCHLOR Natural Attenuation Decision Support System

Version 2.2
Excel 2000

Former Risdon facility
Danbury, CT
Run Name

Data Input Instructions:

115 → 1. Enter value directly....or
↑ *or* 2. Calculate by filling in gray
0.02 cells. Press Enter, then (C)
(To restore formulas, hit "Restore Formulas" button)
Variable* → Data used directly in model.

Test if Biotransformation is Occurring → Natural Attenuation Screening Protocol

TYPE OF CHLORINATED SOLVENT: Ethenes ◉ Ethanes ○

1. ADVECTION

Seepage Velocity*	Vs	124.2	(ft/yr)
or			
Hydraulic Conductivity	K	1.0E-02	(cm/sec)
Hydraulic Gradient	i	0.003	(ft/ft)
Effective Porosity	n	0.25	(-)

2. DISPERSION

Alpha x*	32.945	(ft)
(Alpha y) / (Alpha x)*	0.1	(-)
(Alpha z) / (Alpha x)*	1.E-99	(-)

Calc. Alpha x

3. ADSORPTION

Retardation Factor* → R

or

Soil Bulk Density, rho	1.6	(kg/L)		
FractionOrganicCarbon, foc	1.8E-3	(-)		
Partition Coefficient	Koc			
PCE	426	(L/kg)	5.91	(-)
TCE	130	(L/kg)	2.50	(-)
DCE	125	(L/kg)	2.44	(-)
VC	30	(L/kg)	1.34	(-)
ETH	302	(L/kg)	4.48	(-)
Common R (used in model)* =			**2.50**	

4. BIOTRANSFORMATION

-1st Order Decay Coefficient*

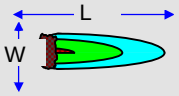
Zone 1	λ (1/yr)	half-life (yrs)	Yield
PCE → TCE	0.500		0.79
TCE → DCE	0.250		0.74
DCE → VC	0.090		0.64
VC → ETH	0.300		0.45

Zone 2	λ (1/yr)	half-life (yrs)
PCE → TCE	0.000	
TCE → DCE	0.000	
DCE → VC	0.000	
VC → ETH	0.000	

λ HELP

5. GENERAL

Simulation Time*	15	(yr)
Modeled Area Width*	500	(ft)
Modeled Area Length*	2000	(ft)
Zone 1 Length*	2000	(ft)
Zone 2 Length*	0	(ft)



Zone 2= L - Zone 1

6. SOURCE DATA

TYPE: Continuous Single Planar

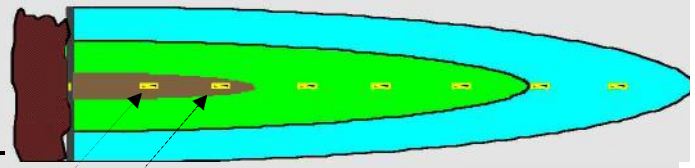
Source Options

Source Thickness in Sat. Zone* 10 (ft)

Width* (ft) Y1 60

Conc. (mg/L)*	C1	k_s* (1/yr)
PCE	4.3	0
TCE	40.0	0
DCE	11.0	0
VC		0
ETH		0

Vertical Plane Source: Determine Source Well Location and Input Solvent Concentrations



View of Plume Looking Down

Observed Centerline Conc. at Monitoring Wells

7. FIELD DATA FOR COMPARISON

PCE Conc. (mg/L)	4.3	.3	.43								
TCE Conc. (mg/L)	40.0	9.8	5.2	.15							
DCE Conc. (mg/L)	11.0	.16	.17								
VC Conc. (mg/L)											
ETH Conc. (mg/L)											
Distance from Source (ft)	0	340	850	1900							
Date Data Collected	2011										

8. CHOOSE TYPE OF OUTPUT TO SEE:

RUN CENTERLINE | RUN ARRAY | Help | Restore Formulas | RESET | SEE OUTPUT | Paste Example

APPENDIX I: ECOLOGICAL RECEPTOR EXPOSURE PATHWAY SCOPING CHECKLIST

REVISED – JUNE 2008

EPA – New England
Resource Conservation and Recovery Act (RCRA) Corrective Action
Ecological Receptor Exposure Pathway Scoping Checklist

Facility Name: Former Risdon Corporation
Facility Address: 15 Old Newtown Road, Danbury, CT

Facility EPA ID #: CTD001168558

Purpose:

This checklist is designed as a screening tool to help EPA-New England (EPA-NE) RCRA Corrective Action project managers determine whether there is the potential for complete exposure pathways between RCRA facility contaminants and ecological receptors (i.e., plants and wildlife).

Intended Use:

EPA-NE has recognized a need for a tool to guide its review of facility information pertaining to ecological risk assessment. This checklist is intended to guide EPA-NE review of available information on environmental conditions at a facility to determine whether further ecological assessment is necessary. Ideally, the checklist should be completed early in the RCRA Corrective Action process. If complete ecological exposure pathways are identified, an EPA or state ecological risk assessor should be involved in planning subsequent site investigation and ecological risk assessment.

Some state environmental agencies in New England have developed, or are in the process of developing, their own checklists or other tools for scoping ecological exposure pathways. Although EPA-NE believes the use of this checklist may be comparable and complimentary to other existing scoping tools used by states, the format and content of this EPA-NE checklist may differ from such state tools. Accordingly, this checklist is designed primarily for use by EPA-NE RCRA Facility Managers and their agents.

The checklist is considered a public document and, once completed for a given facility, may be included in the facility file. As a public document, the checklist may be shared with states, the regulated community, or the public for informational purposes.

Instructions:

All available relevant/significant information on known and reasonably suspected contaminant releases at or from the facility to soil, groundwater, surface water/sediments should be considered in completing this checklist.

Each page of the checklist includes a series of questions to be answered by the project manager completing the checklist. **In the "rationale and reference" section on each page, the project manager should summarize the supporting information used to answer the questions and**

clearly reference the document, as well as the page number, table number or figure number, where the supporting data can be found. Rationale and references should be clear and specific so that the findings of the checklist are transparent and able to be reproduced. Based on the answers to the questions on each page, the project manager can complete the "Preliminary Ecological Risk Evaluation" section of the checklist.

If the answer to any of the questions in the Preliminary Ecological Risk Evaluation section is "yes", the project manager should consult a U.S. Environmental Protection Agency (EPA) or state ecological risk assessor for further information. In this case, an ecological risk assessor should be involved as early as possible in planning the site investigation and further ecological risk assessment. If the answer is "no" to all three findings in the Preliminary Ecological Risk Evaluation section, complete pathways for contaminant exposure to ecological receptors are not reasonably expected at the facility, based on the data used in completing the checklist. Following its completion, the checklist should be included in the facility file to document the rationale for consulting an ecological risk assessor and focusing any subsequent ecological risk assessment, or the rationale for not proceeding further with ecological risk assessment.

Note. Please be advised that new data or new information could alter the findings of this checklist. The checklist should be revisited if new information that might change the checklist findings becomes available. Completion of this checklist is not intended to substitute for a Screening Level Ecological Risk Assessment (SLERA) or a Baseline Ecological Risk Assessment (BERA). Findings, documented by this checklist that ecological exposure to facility contaminants is not expected, are not considered final until a site-wide remedy decision made by EPA or a state environmental agency authorized for RCRA Corrective Action results in the termination of interim status of a facility or satisfaction with the conditions of a hazardous waste operating or post-closure permit

REVIEW OF FACILITY INFORMATION & CONCEPTUAL SITE MODEL

In order for ecological risks to exist there must be a potential for exposure of ecological receptors to contaminants. This portion of the evaluation is designed to assist in the identification of contaminated environmental media associated with a site.

Based on a review of the file and an understanding of the conceptual site model for the facility, please identify the environmental media present on or adjacent to the facility property which are known or reasonably expected to be impacted by contaminants from the facility. Place a check mark next to the media type. Additionally, please evaluate the potential for migration of contaminants from the site. Potential migration pathways include surface water flow, run off, groundwater flow, erosion, placement of fill and discharge locations. Please attach a figure of the site showing areas of potential contamination.

Media Potential Affected by Facility Operations		Potential For Migration		Migration Pathways
		Yes	No	
X	Soil		X	
X	Sediment	X		Potential historic drainline discharge to River
X	Surface Water	X		Potential historic drainline discharge to River
X	Groundwater	X		Groundwater flow

Rationale and References: (Please clearly reference the document name and date as well as the page, table or figure number where any data considered in answering the above questions can be found.)

March 2008 Remedial Action Plan (RAP) – *Section 3 – soil data summary*
June 2009 RAP Completion Report – *Section 4, sub-slab vapor control (soil and groundwater migration control), Section 5 – ELUR (prevention of soil migration), Section 6 – Groundwater Migration Control, Section 7 – RCRA CSA Closure (soil mitigation)*
February 2010 Draft Off-property Investigation Work Plan – *Section 3*
June 2011 Remedy Operation and Post Closure Status Report – *Section 3, Groundwater Migration Control - Monitoring*
October 2011 Off-property Investigation Report *– Section 5, Updated Conceptual Site Model, Section 3 – Still River sediment and surface water evaluation and off-property groundwater evaluation, Figures 4 through 9 – groundwater flow/geologic cross sections.*

HABITAT DOCUMENTATION

In order for ecological risks to exist there must be a potential for ecological receptors to come into contact with contaminated media. This portion of the evaluation is designed to assist in the identification of potential presence of environmental receptors associated with a site. It is predicated upon the assumption that if suitable habitat exists, then ecological receptors could potentially be present.

Please check the potentially impacted habitats present on, adjacent to, or immediately downgradient of the facility based on a site visit and an understanding of the site conceptual model. Also, indicate for each habitat whether the presence of site-derived contamination has been confirmed, is suspected, is not expected, or is unknown.

Table 1: Summary of habitats and presence of Site-derived contamination							
Habitat type	**Location**			**Presence of Site-derived contamination**			
	At the site[a]	**Adjacent to the site[b]**	**Not present**	**Con-firmed**	**Sus-pected**	**Not expected**	**Unknown**
MARINE/ESTUARINE ENVIRONMENTS							
Salt marsh			X				
Tidal rivers & streams			X				
Exposed mudflats			X				
Seagrass beds			X				
Rocky shoreline			X				
Other*			X				
FRESHWATER ENVIRONMENTS							
Wetlands		X				X	
Lakes & ponds			X				
Rivers and streams		X				X	
Vernal pools[c]			X				
Other*			X				
TERRESTRIAL ENVIRONMENTS							
Wooded			X				
Transitional		X				X	
Open field			X				
Other*			X				

[a] "at the site" is defined as within the limits of the site perimeter or site fence

[b] "adjacent to the site" is more loosely defined as terrestrial or aquatic habitat present in the immediate vicinity of the site

[c] "vernal pool" refers to a temporary body of standing water often located in terrestrial habitat which appears in early spring but completely dries out by late spring-early summer. This type of habitat can be suitable and is critical for, among other things, amphibian reproduction.

* provide additional details

Habitat Documentation Rationale and References: (Please clearly reference the document name and date as well as the page, table or figure number where any data considered in answering the above questions can be found.)

February 2010 Draft Off-property Investigation Work Plan – *Section 2, Figure 3*

October 2011 Off-property Investigation Sumary Report *– Section 2, Figures 2 and 3*

EXPOSURE ASSESSMENT

In order for there to be a potential for ecological risks to occur at a site, there must be a potential for stressors, in this case chemicals, to be present where ecological receptors could come in contact with them. After reviewing the previous pages on Facility Information and Habitat Documentation, plus additional facility information as necessary, please answer the following questions in order to determine if ecological receptors are known or could reasonably be expected to be exposed to contaminants at or from the facility. **If any contaminant concentration data showing non-detect results are used to conclude that an environmental medium is not contaminated, please consult an ecological risk assessor to confirm that analytical methods used were adequate to detect contaminants at concentrations below levels of concern for ecological receptors. In addition, contaminants that have the potential to bioaccumulate cannot be eliminated from further consideration through the use of this checklist. Bioaccumulating contaminants must be carried through the ecological risk assessment.**

Surface Water Bodies

Sediments

1.a. Is sediment in surface water bodies known or reasonably expected to be contaminated due to releases at or from the facility? Releases from a facility may include but are not limited to: point source discharges, run-off from contaminated soil, groundwater migration, erosion, filling or aerial deposition resulting from air emissions. Note: If sediment samples are taken adjacent to or downstream of the site, collection should take place in depositional areas present.

Yes ☐ ***(Complete the remaining questions in this checklist and circle "Yes" in Surface Water Body Finding under the PRELIMINARY ECOLOGICAL RISK EVALUATION Section below.)***

No **(Proceed to question 1b.)**

Surface Water

1.b. Is surface water known or reasonably expected to be contaminated due to releases at or from the facility? Releases from a facility may include but are not limited to: point source discharges, run-off from contaminated soil, discharge of contaminated groundwater, groundwater migration or aerial deposition resulting from air emissions. (Note: for surface water, dissolved metal data, from analysis of filtered water samples, is a better indicator of exposure than total metal data).

Yes ☐ **(Complete the remaining questions in this checklist and circle "Yes" in Surface Water Body Finding under the <u>PRELIMINARY ECOLOGICAL RISK EVALUATION</u> Section below.)**

No ☐ **(Proceed to question 1c.)**

Groundwater

1.c. For groundwater discharging to surface water, is groundwater, at the point of discharge to the surface water body, known or reasonably suspected to be contaminated due to releases at or from the facility? <u>Note: Because of the ability of certain sediments to accumulate contaminants, the need for sediment sampling in a water body should not be ruled out based on concentrations of suspected site related contaminants found to be below ecologically based ambient surface water quality criteria in groundwater which intersects surface water bodies.</u>

Yes ☐ **(Complete the Surface Water Bodies Rationale and References section and the remaining questions in this checklist. Then, circle "Yes" in the Surface Water Body Finding under the <u>PRELIMINARY ECOLOGICAL RISK EVALUATION</u> Section below.)**

No ☐ **(Complete the Surface Water Bodies Rationale and References section directly below, then proceed to the Surface Soil Section below.)**

<u>Surface Water Bodies Rationale and References:</u> <u>(Please summarize the rationale for the answers provided in the "Surface Water Bodies" section above. Please clearly reference the document name and date as well as the page, table or figure number where any data considered in answering the above questions can be found. In addition, please discuss any site specific information, not specifically prompted by the question(s) above, that would help to clarify and/or qualify the finding.) Please add additional pages as necessary.</u>

June 2011 Semi-Annual Remedy Operation and Post Closure Status Report *- Tables 11 and 12, Summary of Inorganics and VOCs Detected in Groundwater (20NR-MW1A, MW-14)*

October 2011 Off-property Investigation Report *– Section 3, Tables 3 and 4,*

For sediment, concentrations of each of the PP13 list of metals were detected in at least one of the three Still River sampling locations. No VOCs or cyanide were detected in any of the samples collected. Comparison of the two samples collected at and downstream of the outfall to the upstream reference sample indicated that the metals were detected at generally the same order of magnitude with some minor variability observed (i.e. antimony and lead slightly higher in the upgradient reference sample and cadmium higher in the downstream sample) demonstrating that a site-related release is not evident in the current concentrations within sediment.

For relative comparison purposes, the metals concentrations were screened against freshwater threshold effect concentrations (TECs) established by MacDonald et al. (2000), which are intended to identify potential constituent concentrations for which harmful effects on sediment-dwelling organisms are unlikely to be observed. The only detection above the screening level was for mercury at sample location SR-SED-01 (furthest downstream location). Mercury is not a constituent of concern in site soil and is not a commonly detected compound in site groundwater (has only been detected at very low levels a few sporadic times over the past 10 years). In addition, mercury was not detected in any of the surface water samples collected at these same sediment locations.

Similar to the sediment results, concentrations of metals were detected at each of the three surface water sample locations. The number of metals detected in surface water was less than that detected in the sediment samples, with only arsenic, cadmium, copper, nickel, and zinc being the only detections in each of the three surface water samples. Concentrations of VOCs and cyanide were not detected in any surface water samples, which is also consistent with the sediment results.

The ranges of detected metals were generally consistent across each of the samples. The surface water data was compared to the CTDEEP Water Quality Criteria (WQC) (Appendix D of the February 25, 2011 Water Quality Standards (WQS)). Arsenic was the only compound detected above the applicable WQC (human health criteria for fish consumption) at all three sampling locations and the concentration of arsenic was consistent across all of the surface water samples collected, including the upgradient reference sample. In addition, arsenic was detected in all of the sediment sample locations, including the upgradient reference sample (which had the highest detected concentration of arsenic in sediment), further demonstrating that the presence of arsenic in the surface water is attributable to other sources (e.g. upgradient source, naturally occurring soil and bedrock composition and subsequent weathering processes, etc.).

Groundwater samples collected from wells immediately adjacent to the Still River are below the CTDEEP RSRs SWPC. For the wetlands at 4 Old Newtown Road, concentrations in groundwater at the location immediately adjacent to the wetlands (MW-702A) are below both the SWPC and the CTDEEP Aquatic WQS.

Surface Soil

2.a. Is surface soil (found at depths of 2 feet or less from the surface) known or reasonably expected to be contaminated due to releases at or from the facility?

Yes **(Proceed to question 2 b.)**
No **(Complete the Surface Soil Rationale and References section and the remaining questions in this checklist, then circle "No" under Surface Soil Finding in the PRELIMINARY ECOLOGICAL RISK EVALUATION Section below.)**

2.b. Is all contaminated surface soil covered with buildings, pavement or other physical barriers that prevent plants or wildlife from being exposed to contaminants and that prevent migration of soil contamination into groundwater that could affect a surface water body?

Yes **(Proceed to question 2 c.)**
No **(Complete the Surface Soil Rationale and References section below and the remaining questions in this checklist, then circle "Yes" under Surface Soil Finding in the PRELIMINARY ECOLOGICAL RISK EVALUATION Section below.)**

2.c. Is an institutional control in place to ensure the maintenance of the barriers described above so that receptors will not be exposed to contaminated soil (i.e., ensuring that soil will not be exposed as a result of excavation, demolition or other activities and that pavement or other physical barriers will be maintained in good condition and that if soil

is exposed, appropriate measures will be taken to address any ecological risks).

Yes **(After completing the Surface Soil Rationale and References section below and the remaining questions in this checklist, circle "No" under Surface Soil Finding in the PRELIMINARY ECOLOGICAL RISK EVALUATION Section below.)**

No ☐ **(After completing the Surface Soil Rationale and References section below, and the remaining questions in this checklist, circle "Yes" under Surface Soil Finding in the PRELIMINARY ECOLOGICAL RISK EVALUATION Section below.)**

Surface Soil Rationale and References: (Please summarize the rationale for the answers above. Please clearly reference the document name and date as well as the page, table or figure number where any data considered in answering the above questions can be found. In addition, please discuss any site specific information, not specifically prompted by the question(s) above, that would help to clarify and/or qualify the finding. Please add additional pages as necessary.)

While 'yes' was checked off above, the ELUR for the Site has not been officially recorded as of this submittal. In a May 29, 2008 correspondence, the EPA acknowledged that the on-property remedy (which includes the ELUR) meets the RCRA Corrective Action long term goals and satisfies the partial remedy decision criteria (CA-400). The Draft ELUR was submitted to CTDEEP and USEPA in June/ July 2009 with the RAP Completion Report (see Appendix G); Comments from the CTDEEP are still pending.

Subsurface Soil

3.a. Is subsurface soil (found at depths greater than 2 feet from the surface) known or reasonably expected to be contaminated due to releases at or from the facility?

Yes **(Proceed to question 3 b.)**

No **(Skip to the Subsurface Soil Rationale and References section. Then complete the remaining questions in this checklist and circle "No" under Subsurface Soil Finding in the PRELIMINARY ECOLOGICAL RISK EVALUATION Section below.)**

3.b. Are the contaminated subsurface soils located in a setting where they could be exposed by erosion or that subsurface soil contaminants could be mobilized and transported via groundwater to a surface water body?

Yes **(After completing the Subsurface Soil Rationale and References Section and the remaining questions in this checklist, circle "Yes" under Subsurface Soil Finding under the <u>PRELIMINARY ECOLOGICAL RISK EVALUATION</u> Section below).**

No ☐ **engineering controls are in place. (Proceed to question 3c)**

3.c. Is an institutional control in place to effectively ensure that contaminated soil will not be brought to the surface, as a result of excavation, demolition or other activities and, if applicable, to ensure that engineering controls are maintained and that if contaminated soil is exposed, appropriate measures will be taken to address ecological risk?

Yes **(After completing the Subsurface Soil Rationale and References Section and the remaining questions in this checklist, circle "No" under Subsurface Soil Finding under the <u>PRELIMINARY ECOLOGICAL RISK EVALUATION</u> Section below.)**

No ☐ **(After completing the Subsurface Soil Rationale and References Section and the remaining questions in this checklist, circle "Yes" under Subsurface Soil Finding under the <u>PRELIMINARY ECOLOGICAL RISK EVALUATION</u> Section below.)**

<u>Subsurface Soil Rationale and References</u>: <u>(Please summarize the rationale for the answers above. Please clearly reference the document name and date as well as the page, table or figure number where any data considered in answering the above questions can be found. In addition, please discuss any site specific information, not specifically prompted by the question(s) above, that would help to clarify and/or qualify the finding. Please add additional pages as necessary.)</u>

While 'yes' was checked off above, the ELUR for the Site has not been officially recorded as of this submittal. In a May 29, 2008 correspondence, the EPA acknowledged that the on-property remedy (which includes the ELUR) meets the RCRA Corrective Action long term goals and satisfies the partial remedy decision criteria (CA-400). The Draft ELUR was submitted to CTDEEP and USEPA in June/ July 2009 with the RAP Completion Report (see Appendix G); Comments from the CTDEEP are still pending.

<u>PRELIMINARY ECOLOGICAL RISK EVALUATION</u>

<u>Surface Water Body Finding:</u>
Based on the information provided above, is further evaluation of risks to ecological receptors from contaminants in surface water or sediments of surface water bodies necessary?

Yes ☐ **(Check "Yes" if the response to <u>any</u> of the questions above regarding Surface Water Bodies is "Yes")**

No ☐ **(Check "No" if the response to <u>all</u> of the questions above (1a, 1b, and 1c) regarding Surface Water Bodies is "No")**

Surface Soil Finding:
Based on the information provided above, is further evaluation of risks to ecological receptors from contaminants in surface soil necessary?

Yes

No

Subsurface Soil Finding: Based on the information provided above, is further evaluation of risks to ecological receptors from contaminants in subsurface soil necessary?

Yes

No

☐ Based on the information provided on the preceding pages, check the appropriate response:

The answer was "No" for all three of the findings in this checklist (i.e., the Surface Water Body Finding, the Surface Soil Finding and the Subsurface Soil Finding). Therefore, based on the data considered in this checklist, ecological exposure to contaminants at or from the former Risdon Corporation, EPA ID # CTD001168558, located at 15 Old Newtown Road in Danbury, CT is not reasonably expected and further ecological risk assessment does not appear necessary**. Please ensure that supporting information used to answer the questions in this checklist is summarized in the "rationale and reference" section on each page. Please also list the document title, as well as the page number, table number or figure number, where the supporting data can be found. Rationale and references should be clear and specific so that the findings of the checklist are transparent and able to be reproduced.**

☐ Note: **Releases from the facility must be adequately characterized, in accordance with EPA guidance, in order to make this determination. This checklist should be revisited if new information, that would alter the checklist findings, becomes available. In addition, the finding that ecological exposure to facility contaminants is not expected is not considered final until a site-wide remedy decision made by EPA or a state environmental agency authorized for RCRA Corrective Action results in the termination of interim status of a facility or satisfaction with the conditions of a hazardous waste operating or post-closure permit.**

The answer was "Yes" for any of the findings in this checklist (i.e., the Surface Water Body Finding, the Surface Soil Finding and the Subsurface Soil Finding). Therefore, further evaluation of ecological risk is recommended for thefacility, EPA ID # , located at [Street Address] in [Town/City and State].

An EPA or state ecological risk assessor should be involved as early as possible in planning the facility investigation. This checklist can be provided to the ecological risk assessor to focus the ecological risk assessment on the potential exposure pathways.

Completed by: [signature]

Locations where References may be found:

- Woodard & Curran, 35 New England Business Center Drive, Suite 180, Andover, MA
- USEPA, Region 1, Attn: Carolyn Casey