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WOODARD &CURRAN

March 4, 2013

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 Status Update
Former Risdon Facility – 15 Old Newtown Road, Danbury, CT USEPA ID CTD001168558

Dear Ms. Casey:

This *Off-Property Investigation Status Update* (*Status Update*) has been prepared to document the recently conducted off-property investigation activities. This work was conducted as a phased approach to evaluate potential off-property impacts from the former Risdon Facility located at 15 Old Newtown Road (Site). This *Status Update* has been prepared by Woodard & Curran 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 submittal certification required in accordance with Section I.E.15 of the Permit and 40 CFR 270.11(d)(1) is provided below.

The *Off-Property Investigation Status Update* provides a summary of the results from the recent phase of off-property investigation activities conducted downgradient of the Site between November and December 2012. The recent off-property investigation activities were conducted consistent with the July 2, 2012 *Off-Property Investigation Work Plan Addendum* (*Work Plan Addendum*).

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 Status Update

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

RDMS Doc ID 110444

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.

OFF-PROPERTY INVESTIGATION STATUS UPDATE

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CR USA Inc.
March 2013

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1. INTRODUCTION

This *Off-Property Investigation Status Update* (*Status Update*) has been prepared to document the recent off-property investigation activities conducted in 2012. This work was conducted as a phased approach to evaluate potential off-property impacts from the former Risdon Facility, located at 15 Old Newtown Road (Site). This *Status Update* has been prepared by Woodard & Curran 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 following presents an overall summary of activities conducted as part of the recent off-property work:

- Off-Property Investigation – 2010 to 2012:
  - February 2010 – *Off-Property Investigation Work Plan* submitted;
  - Participated in a conference calls on April 8 and July 2, 2010 to review the United States Environmental Protection Agency (EPA) comments on the *Work Plan;*
  - Received EPA's comments on the *Work Plan* on May 27, 2010;
  - Provided response to EPA comments on July 20, 2010;
  - Worked on access to the 4 Old Newtown Road property and onto Augusta Drive (privately owned). Access received on March 29, 2011 and December 20, 2010, respectively;
  - Submitted the Administrative Approval for Inland Wetlands & Watercourses Activity form to the City of Danbury's Environmental Impact Commission (EIC) on May 2, 2011 due to the proximity of proposed monitoring well cluster MW-702 to the wetlands;
  - Monitoring wells MW-701A, B, and C and MW-702A and B were installed in Augusta Drive and on 4 Old Newtown Road, respectively, between May 16 and 26, 2011. The wells were developed on June 6, 2011 and sampled, along with other wells on 4 Old Newtown Road, on June 16, 2011;
  - This initial phase of off-property work was summarized in the October 13, 2011 *Off-property Investigation Report;*
  - Participated in a conference calls with EPA to review the *Off-Property Investigation Report* on February 15 and May 9, 2012;
  - Received EPA's Draft Technical Review of the *Off-Property Investigation Report* on February 16, 2012; and
  - Provided response to EPA comments May 3, 2012.

- July 2012 – *Off Property Work Plan Addendum* submitted and included the following tasks:
  - Task 1 – Still River Sediment Assessment;
  - Task 2 – Still River Groundwater Discharge Survey;
  - Task 3 – Installation of an overburden monitoring well couplet in the vicinity of 28 Finance Drive to evaluate groundwater quality beyond the MW-701 well cluster; and
  - Task 4 – Quarterly off-property groundwater elevation monitoring in the vicinity of the wetlands north of 4 Old Newtown Road over a one-year period in 2012.

The recent off-property investigation activities were conducted consistent with the July 2, 2012 *Off-Property Investigation Work Plan Addendum* (*Work Plan Addendum*). On July 3, 2012, EPA approved the *Work Plan Addendum* and activities associated with the *Work Plan Addendum* were initiated. The first task included the Still River Sediment Assessment, which was conducted on July 19, 2012 with the results subsequently submitted to EPA on August 16, 2012 (Task 1 is considered complete). This assessment noted that the downstream reach in the vicinity of the 28 Finance Drive property contained a river bed that should be suitable for piezometer installation.

Based on the presence of existing shallow water table wells at the adjacent 28 Finance Drive property and the plan to drill into the deeper overburden at this location, it was concluded that installation of the new well and sampling of the wells on 28 Finance Drive be conducted first, followed by the installation of stream piezometers. Access to the 28 Finance Drive property was granted on November 8, 2012 and drilling activities commenced on November 12, 2012.

This document provides the results and assessment of the drilling and groundwater sampling and gauging activities conducted in support of this work (Task 3), a summary of the 4 Old Newtown Road Quarterly Off-Property Groundwater Elevation Monitoring (Task 4), and a discussion on the proposed next steps in the off-property investigation work including installation of stream piezometers to complete Task 2.

2. OFF-PROPERTY INVESTIGATION STATUS

A phased investigation approach has been conducted to evaluate off-property subsurface conditions in the vicinity of the Site. The emphasis of this particular investigation phase focused on the nature and extent of potential off-property groundwater impacts to both the Still River and the wetlands behind 4 Old Newtown Road. The previous off-property investigation work included the installation of a well cluster in Augusta Drive, approximately 450 feet (ft.) north of the former Risdon facility. This well cluster, identified as MW-701, was used to evaluate groundwater flow patterns, potential contaminant migration, and hydrogeological features downgradient of the former Risdon facility. The screened intervals of these wells were selected based on the results from field screening of soils and bedrock groundwater using a portable gas chromatograph (GC). Subsequent groundwater samples from the monitoring wells detected concentrations of select volatile organic compounds (VOCs) above applicable Connecticut Department of Energy and Environmental Protection (CTDEEP) Surface Water Protection Criteria (SWPC). To evaluate the potential for these VOCs to impact the Still River, a monitoring well couplet was agreed to be installed (based on data review and discussions with EPA) further downgradient in the vicinity of the 28 Finance Drive property in order to collect groundwater samples from this area and evaluate potential surface water impacts. In addition, it was also agreed to collect quarterly groundwater elevation measurements form off-property locations to aid in understanding seasonal groundwater flow conditions in the area.

An overview of off-property activities documented in this *Status Update* includes the following:

- 28 Finance Drive:
    - Pre-drilling submittals including, preparation and submittal of access letters to the property owner and marking of boring locations and contacting Call Before You Dig (CBYD);
    - Advancement of one boring and installation of one deep overburden well;
    - Field screening of soils and bedrock groundwater to screen specific intervals of the subsurface to aid in well screen placement;
    - Development of the new monitoring well;
    - Sampling of the new monitoring well and four of the existing shallow water table wells on the 28 Finance Drive property;
    - Area-wide gauging of accessible monitoring wells; and
    - Survey of the new and existing well locations.
- 4 Old Newtown Road:
    - Preparation and submittal of access letters to the property owners of 4 Old Newtown Road and Augusta Drive; and
    - Quarterly gauging of 10 monitoring wells located in the vicinity of the wetland area throughout 2012 to evaluate if there is seasonal variation in shallow groundwater in this area.

All work was conducted consistent with the July 2, 2012 *Work Plan Addendum* and the revised project *Quality Assurance Project Plan* (QAPP). Refer to Figure 1 Site Plan for the investigation locations.

2.1 28 FINANCE DRIVE INVESTIGATION

The previous off-property investigation work included the installation of a well cluster in Augusta Drive, approximately 450 ft. north of the former Risdon facility. This well cluster, identified as MW-701, was used to evaluate groundwater

flow patterns, potential contaminant migration, and hydrogeological features in the area. Subsequent groundwater samples from the monitoring wells detected concentrations of select VOCs above applicable CTDEEP SWPC.

To evaluate groundwater migration beyond MW-701, an overburden well couplet, designated as MW-703, was proposed for installation at a further downgradient location along the groundwater flow path / conceptual plume migration pathway (as identified in the Conceptual Site Model presented in the *October 2011 Off-Property Investigation Report*). Potential drilling locations in this vicinity are limited due to the presence of underground and overhead utilities along Finance Drive. Written access was received on November 7, 2012 to drill in the rear of the 28 Finance Drive property, as shown on Figure 1. As noted on the figure, there are four previously installed monitoring wells located on this property (the fifth well was not located). While the well installation details are unknown, the current depth of these wells was measured and three of the four wells were deemed viable with the depth to well bottoms ranging from 13.2 to 14.2 ft. below ground surface (bgs). The fourth well (DPMW-2) had been filled in and not usable. Based on the well depth and the groundwater elevation within existing monitoring well DPMW-1 in the vicinity of the proposed boring (SB-703), a separate shallow water table well was not required.

2.1.1 Drilling Activities

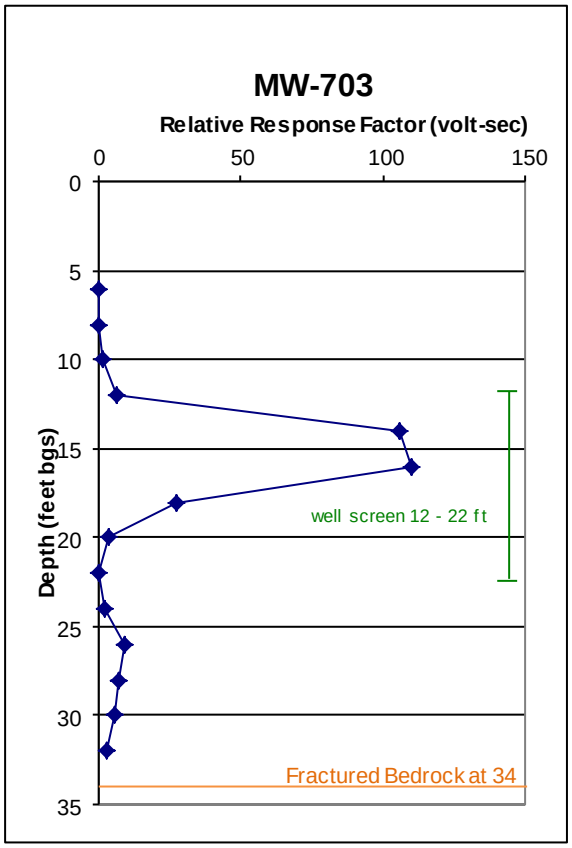
Beginning on November 12, 2012, ADT initiated subsurface pre-clearing activities within the northwestern portion of the 28 Finance Drive property using vacuum excavation methods. The upper 5 ft. of overburden soils were removed and the resulting void-space was inspected for the presence of subsurface utilities and/or features. Once pre-cleared, drilling activities were initiated to advance this boring to bedrock. During the advancement of boring SB-703, 4-inch steel casing was advanced using “drive and wash” methods. Overburden soils samples were recovered in approximately 2-foot intervals below the water table from 5.5 to 34 ft. bgs using a split-spoon sampler. Recovered soils were visually logged and screened using a photoionization detector (PID). There were no detectable measurements of total VOCs during sample collection. Subsurface soils beneath the 5 ft. of sandy fill consisted of a very-loose dark gray sand to approximately 10 ft. bgs, followed by a medium-dense gray and brown sand to 20 ft. bgs, followed by a loose to medium-dense gray fine sand and silt to 30 ft. bgs and a dense gray sand, silt and gravel to approximately 34 ft., 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 screen interval (designated as MW-703).

During advancement of boring SB-703, the 4-inch casing was firmly seated into bedrock and a 5-foot core run was attempted to confirm the bedrock surface using an HQ-size core barrel. Due to the weathered nature of the bedrock surface at boring SB-703, it was necessary to perform 3 core runs, with run lengths between 1 to 2.5 ft. to confirm the bedrock surface. The recovered bedrock core from each core run was 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 of 0%, which is representative of a “very poor” quality or competency, for the three 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 38 to 40.5 ft. likely as a result the highly-weathered shallow bedrock surface, which was visually-confirmed during core logging.

The stratigraphy and elevation of the till, weathered rock and bedrock surface are consistent with those observed in MW-701. According to surficial geologic materials mapping in Connecticut, the materials 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 in the area).

The plot to the right provides a summary of the field GC results for the overburden soil (0 to 34 ft. bgs). 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 Attachment A. The field GC results demonstrate that greater peak responses were noted in the overburden sand layer just above the fine sand/till layer (20 ft. bgs). The field screening data also shows that the vertical extent of VOCs has been delineated based on a number of successive decreasing results below 18 ft. bgs. As such, the deeper overburden well screen was placed in this peak area, screened from 12 to 22 ft. bgs. Details on the groundwater monitoring results from this newly installed well and the adjacent existing shallow water table well are provided in the following section.



Once the boring advancement and field GC analysis were complete, the new monitoring well MW-703 was installed in a separate borehole adjacent to SB-703. The well was completed as a two-inch diameter well, constructed of 10 ft. of Schedule 40, 0.010-inch (10 slot) PVC screen from 12 to 22 ft. bgs. A filter pack consisting of No. 2 sand was installed to 2-ft. above the top of the 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. MW-703 was finished with flush-mounted road box set in a concrete pad. Refer to Attachment B for the logs for this boring and monitoring well.

On November 20, 2012, the 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 former Risdon facility to be processed through the groundwater treatment system. Drill cuttings from the boring advancement were also transported back to the facility in 55-gallon drums for subsequent off-site transport and disposal. Waste characterization analytical results from the drill cuttings are included as Attachment C; off-site disposal of the drill cuttings is still pending. The existing and new wells were subsequently surveyed and added to the site plan to evaluate groundwater flow patterns; see Section 2.3 for further details.

2.1.2 Groundwater Sampling

Groundwater samples were collected from select wells located at 4 Old Newtown Road and in Augusta Drive on September 17, 2012 in conjunction with the site-wide CA750 monitoring event. In addition, newly installed monitoring well MW-703 and existing shallow water table well DPMW-1 on the 28 Finance Drive property were sampled on

November 27, 2012. These eight off-property wells were sampled using low flow methodologies in accordance with the SOPs included in the revised project QAPP and the January 2010 USEPA Region 1 Low Stress (Low Flow) Purging and Sampling Procedures. 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 180 to 260 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 1 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. The following table provides the analytical testing summary for this off-property sampling event. 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. Tables 2 and 3 provide a summary of detected VOCs and inorganics in these wells, respectively. A copy of the analytical reports and the data quality review is provided in Attachment D.

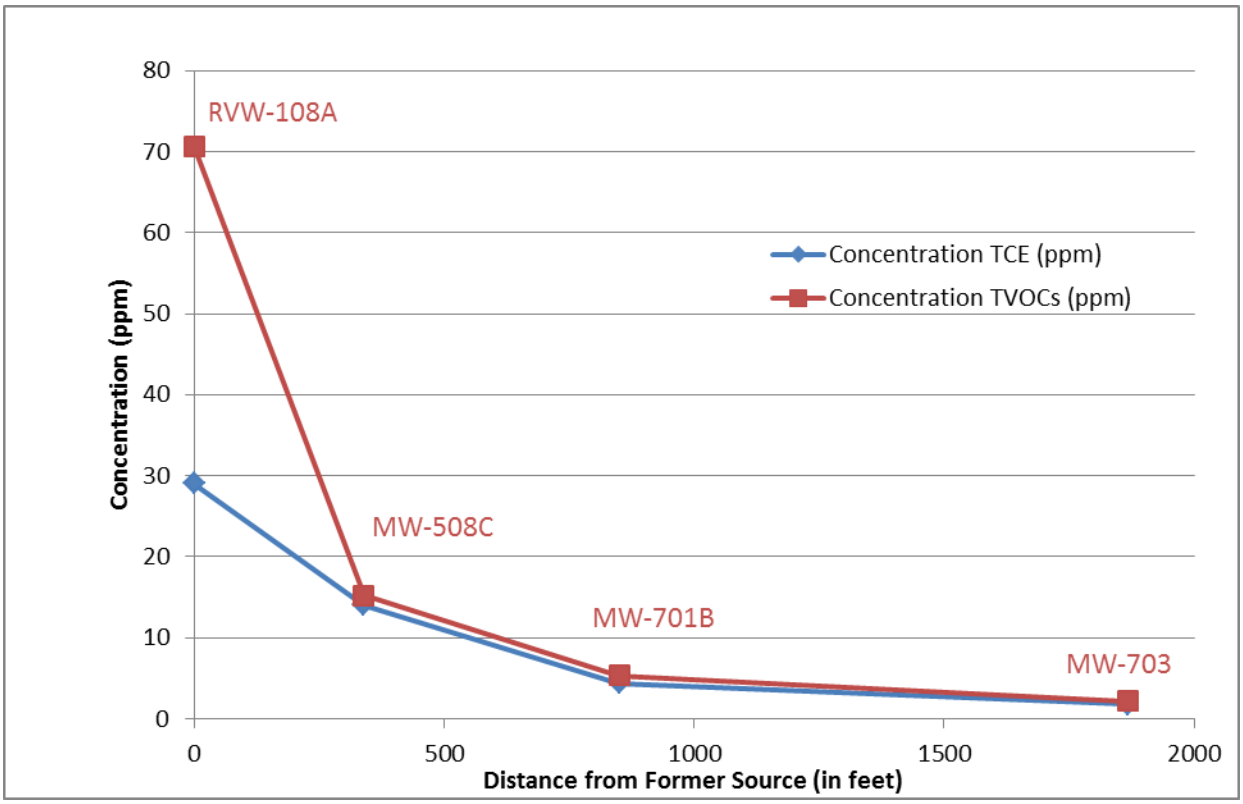
Monitoring Well	Date Sampled	ANALYSIS		
		VOCs	Total Cyanide	13 Priority Pollutant Metals
		CT RCP 8260B		
MW-701A	9/17/2012	X		
MW-701B	9/17/2012	X		
MW-701C	9/17/2012	X		
MW-702A	9/17/2012	X	X	X
MW-702B	9/17/2012	X		
MS-MW-2	9/17/2012	X	X	X
MW-703	11/27/2012	X	X	X
DPMW-1	11/27/2012	X	X	X

2.1.3 Summary of Results

As discussed in the conceptual site model for the former Risdon facility (refer to October 13, 2011 *Off-Property Investigation Report*), 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 higher concentrations of VOCs in the deep overburden and/or bedrock (MW-701B/C and MW-703) as compared to those in the shallow overburden aquifer (i.e., MW-701A and DPMW-1).

The following plot presents a summary of TCE and total VOC concentrations from several wells within a hydraulically downgradient direction from the former MFA source area, including RVW-108A (in the former MFA), MW-508C (on

the property line), MW-701B (further downgradient along Augusta Drive), and MW-703 (furthest downgradient on 28 Finance Drive). This data demonstrates that the concentration of total VOCs is highest on the former Risdon 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. Concentrations of shallow groundwater at these same locations (e.g., MW-508, MW-701A and DPMW-1) are orders of magnitude less than those measured in the deeper overburden or bedrock. In addition, 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.



Note: VOC groundwater data from MW-703 was collected in November 2012 and groundwater from the remainder of the wells were collected in September 2012

This distribution of VOC impacts is further illustrated on Figure 2 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 and MFA). 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.

2.1.4 RSR Evaluation

Groundwater analytical data collected as part of this phase of the off-property investigation 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 include 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.

2.1.4.1 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.

With regard to the 28 Finance Drive and 4 Old Newtown Road properties, all VOCs within shallow wells were below the I/C GWVC volatilization criteria and only one compound (vinyl chloride) was detected in the shallow well on 28 Finance Drive slightly in excess of the residential GWVC. The 28 Finance Drive property is currently utilized as a warehouse, showroom, and office space for Danbury Plumbing and HVAC Supply and is zoned General Industrial (IG-80). As such, the residential criteria are not applicable under current use conditions.

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), one VOC (TCE) from this water table well exceeded both the CTDEEP's 2003 proposed residential and I/C volatilization criteria.

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 with all data submitted to the property owners and EPA/ CTDEEP.

2.1.4.2 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 (September – November 2012 data) from wells along the former Risdon property boundary were screened against the SWPC standards. Exceedances of the SWPC included the presence of cyanide in MW-15M, copper and zinc in MW-601B, and copper, nickel and zinc at MW-113. Of note, while typically detected above the SWPC, there were no exceedances of copper at monitoring wells MW-3 and MW-11 downgradient of the former Lagoon Area during this monitoring event. A review of the off-property analytical data collected in 2012 (from further downgradient wells) indicates that concentrations of all inorganics were below the SWPC.

For VOCs, an exceedance of the CTDEEP RSR SWPC was measured in four of the former Risdon property boundary wells sampled for VOCs (MW-111 – PCE and TCE, MW-112 – TCE, MW-508C – 1,1,-DCE, PCE, and TCE, and MW-601B – 1,1-DCE and PCE), consistent with historical data. No exceedances of the SWPC were detected in the three CA750 monitoring wells located off property (MW-14M, MW-15M, and 2ONR-MW-1A).

A review of the off-property analytical data collected in 2012 (from further downgradient wells) indicates that concentrations of 1,1-DCE, PCE, and TCE continued to be detected in the deep overburden and bedrock wells MW-701 B and C (in Augusta Drive) in excess of the SWPC, but no exceedances 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 (4 Old Newtown property, adjacent to the wetlands) in excess of the SWPC. As indicated above, concentrations of VOCs were detected at much lower concentrations in deeper overburden well MW-703 on the 28

Finance Drive property and only one VOC (PCE) was detected in excess of the SWPC. Of note, no VOCs were detected in the adjacent shallow water table well DPMW-1 at concentrations above the SWPC.

2.2 QUARTERLY OFF-PROPERTY GROUNDWATER ELEVATION MONITORING - 4 OLD NEWTOWN ROAD

Previously reported off-property groundwater elevation monitoring data demonstrated that the majority of groundwater flows to the north towards the adjacent industrial/commercial properties along Augusta Drive. To further demonstrate that this condition remains consistent seasonally over the course of the year, a round of quarterly water elevation measurements were obtained from 10 monitoring wells located in the vicinity of the wetland area on the 4 Old Newtown Road property throughout 2012. These wells include MS-MW-1A, MS-MW-2 through MS-MW-7, MW-15M and MW-702A and B. In addition, well triplet MW-701 A/B/C in Augusta Drive and the monitoring wells located on the GAR property were also gauged during these events. Quarterly gauging was conducted on March 21, June 28, September 17, and December 10, 2012. Groundwater gauging data is presented on Table 4.

During the past year of quarterly measurements, the change in water table elevation ranged from 0.42 (shallow water table well MW-701A in Augusta Drive) to 1.38 ft. (shallow water table wells MS-MW-2 and GAR-MW-2). As expected, the greatest change in water table elevation was observed in those wells along the edge of the wetland area (MS-MW-2, MW-702A, and MS-MW-4). Specific to groundwater flow in the northern portion of the 4 Old Newtown Road property (paved portion adjacent to the wetland area) during each quarterly event, groundwater flow is observed to the northwest for three of the four quarters and to the west during the remaining quarter (March) – all events depict flow away from the wetlands. This localized flow is graphically depicted for each quarter in Attachment E, demonstrating the groundwater flow in this area is not towards the wetland. Refer to the following section for further discussion on area-wide hydrogeological conditions.

2.3 HYDROGEOLOGICAL CONDITIONS

A supplemental area-wide groundwater gauging event was performed on December 10, 2012 to incorporate the newly installed monitoring well and the existing shallow water table wells on the 28 Finance Drive property. Depth to water was measured at all accessible monitoring and recovery wells at the former Risdon facility and those off-property wells, where access has been allowed. Water level and elevation data for the off-property wells is provided in Table 4; a full consolidation of the December 2012 comprehensive event, as well as annual data collected since 2002, is presented in Attachment F.

Calculated vertical and horizontal gradients in December 2012 demonstrate an upward gradient at the MW-701A/B, MW-702A/B and MW-703/DPMW-1 well clusters, ranging from 0.001 ft./ft. (MW-703/DPMW-1) to 0.013 ft./ft. (MW-702A/B). The horizontal gradient from MW-701 to MW-703 was 0.002 ft./ft., demonstrating a relatively flat gradient northerly down Augusta Drive. As discussed in previous submittals, subsurface information presents a pronounced bedrock depression down Augusta Drive, with the bedrock sloping more steeply from the river on the western side of the valley and more gradually to the east of the valley base. The investigation results at MW-703 illustrate that the bedrock valley extends laterally at a similar depth elevation to bedrock at the MW-701 well cluster.

An approximate configuration of the water table surface based on the December 2012 monitoring event is depicted on Figure 3. As illustrated on this figure, consistent with historical measurements, shallow groundwater generally flows in a northerly direction across the former Risdon property from the topographic high south of the facility towards Augusta Drive. Leaving the former Risdon property, groundwater flow is to the north/northwest down Augusta Drive. The groundwater elevations measured on 4 Old Newtown Road demonstrate more of a localized shallow flow to the west, parallel to the wetlands (and not towards it), tying into the area-wide flow to the northwest. Further north, on the 9 Finance Drive property, groundwater flow (from 2005) was shown to be to the north and west, towards the Still

River, further demonstrating that the river and the hydrogeologic features (higher topographic areas in the vicinity) play a significant role in area-wide hydrologic conditions. Based on these results, groundwater flow appears to be focused on a distinct portion of the river within the vicinity of the 24 and 28 Finance Drive properties. Further discussion on the next phase of the investigation focused in this area is provided in Section 3.

3. SUMMARY OF CONCLUSIONS AND NEXT STEPS

In accordance with the objectives outlined in the July 2012 *Off Property Work Plan Addendum*, supplemental investigation phases have been completed and the Still River investigation scope has been refined. Both field observations and analytical data have resulted in an increased level of understanding of the nature and extent of off-property groundwater impacts, which have in turn been used to further evaluate potential off-property receptors and migration pathways. The following provides a summary of the conclusions after completion of Tasks 1, 3 and 4 of the *Off Property Work Plan Addendum.*

3.1 AUGUSTA DRIVE AND 28 FINANCE DRIVE INVESTIGATION

To evaluate groundwater migration beyond the MW-701 well cluster, deeper overburden well MW-703 was co-located with an existing shallow water table well further downgradient along the groundwater flow path / conceptual plume migration pathway (as identified in the Conceptual Site Model presented in the *October 2011 Off-Property Investigation Report*). The following summarizes the conclusions associated with this most recent phase of the off-property investigation activities:

Bedrock Valley Confirmation: Subsurface information associated with the installation of MW-703 continued to support the CSM with the presence of the bedrock valley extending longitudinally along Augusta Drive, with bedrock depth consistent with that measured in Augusta Drive further upgradient (MW-701 cluster).

VOC Distribution: 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 concentration of total VOCs is highest on the former Risdon property with decreasing concentrations hydraulically downgradient off-property. Residual concentrations of VOCs remain in the deeper overburden and bedrock further down gradient from the property. Concentrations of shallow groundwater at these same locations are orders of magnitude less than those measured in the deeper overburden or bedrock.

RSR Comparison: For general comparison purposes, a review of the recently collected off-property groundwater data indicates that concentrations of 1,1-DCE, PCE, and TCE continued to be detected in the deep overburden and bedrock wells MW-701 B and C (in Augusta Drive) in excess of the SWPC, but no exceedances were detected in the shallow overburden well (MW-701A). PCE was the only VOC detected in the deeper overburden well MW-703 on the 28 Finance Drive property in excess of the SWPC (and at much lower concentrations that the upgradient wells), but was below the SWPC in the adjacent shallow water table well DPMW-1. The off-property analytical data indicated that concentrations of all inorganics were below the SWPC.

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), TCE concentrations exceed the volatilization criteria (both residential and I/C). With regard to the 28 Finance Drive and 4 Old Newtown Road properties, all VOCs within shallow wells were below the I/C GWVC volatilization criteria and only one compound (vinyl chloride) was detected in the shallow well on 28 Finance Drive slightly in excess of the residential GWVC. This property is currently utilized as a warehouse, showroom, and office space for Danbury Plumbing and HVAC Supply and is zoned General Industrial (IG-80). As such, the residential criteria are not applicable under current use conditions.

Based on these results, future off-property groundwater sampling activities will focus on VOCs. No further analysis of inorganics in downgradient groundwater is proposed.

Groundwater Flow: A review of both on and off-property groundwater elevation information (shown on Figure 3) indicates that groundwater generally flows in a northerly direction across the former Risdon facility from the topographic high south of the facility traveling down Augusta Drive. Leaving the former Risdon facility, groundwater flow is to the north/northwest down Augusta Drive. Further north, on the 9 Finance Drive property, groundwater flow (from 2005) was shown to be to the north and west, towards the Still River, further demonstrating that the river and the hydrogeologic features (higher topographic areas in the vicinity) play a significant role in area-wide hydrologic conditions.

Based on these results, groundwater flow appears to be focused on a distinct portion of the river in the vicinity of the 24 and 28 Finance Drive properties. While there are no shallow SWPC exceedances adjacent to the river, further investigation is proposed to confirm these results within the presumed discharge zone in the vicinity of 24 and 28 Finance Drive; see Section 3.3 for further details.

3.2 OFF-PROPERTY WETLANDS – 4 OLD NEWTOWN ROAD

Overburden well cluster MW-702A/B along the eastern edge of the 4 Old Newtown Road property continued to be utilized to assess potential groundwater discharge pathways in the vicinity of the wetlands. 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. Specific to groundwater flow in the northern portion of the 4 Old Newtown Road property (paved portion adjacent to the wetland area) during each quarterly event (see Attachment E), groundwater flow is observed to the northwest for three of the four quarters and to the west during the remaining quarter (March), demonstrating the groundwater flow in this area is not towards the wetland.

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), where applicable. 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.

Based on these results, no further investigation is warranted with the wetlands on and adjacent to the 4 Old Newtown Road property.

3.3 NEXT STEPS

In addition to the conclusions from the recent off-property work, a summary of the July 2012 Still River Walk is provided to support the next steps in the off-property investigation. Figure 4 presents a summary of the river assessment, breaking the river investigation into the following three components:

- *Former Risdon Facility Outfall Stretch:*
    - This stretch has the highest water velocity and turbulence and is narrower than the other stretches. The river base in this area is very rocky with sediments consisting of angular to well-rounded sand, gravel, cobbles, and boulders. No depositional areas were observed in this area, aside from one pool that consisted of coarse to medium sand, fine gravel, and trace silt.
    - Two sediment samples and one reference sample were collected from area during initial off-property work (refer to *October 2011 Off-Property Investigation Report).* One piezometer (PZ-2) has been installed in this stretch on two occasions with significant difficulty due to the river base substrate. Groundwater flow data has been collected from this location on several locations

providing insight and sufficient data on groundwater flow/discharge in the area. This piezometer has been destroyed twice due to heavy river flow and washout of large objects/ debris. As such, no further sediment sampling nor are any piezometers proposed to be installed in this stretch.

- *2 Augusta Drive Stretch* (from 0 to 1,000 ft.):
    - This stretch contained numerous outfalls (up to 10 outfalls observed – see Figure 4 for locations), debris, trash, etc., typical of a highly urbanized/ developed setting. Sediments in this area consisted of fine to coarse sand, some gravel, and trace organics and the river base is armored with cobbles. Stream velocity is higher than the *Downstream Stretch* and the water is moderately turbulent.
    - One piezometer (PZ-1) has been installed in this stretch on two occasions with significant difficulty due to the river base substrate. Groundwater flow data has been collected from this location on several locations providing insight and sufficient data on groundwater flow/discharge in the area. This piezometer has been destroyed twice due to heavy river flow and washout of large objects/ debris. Based on the groundwater elevation data (as shown on Figures 3 and 4) that groundwater flow is towards the *Downstream Stretch* and due to the presence of numerous other potentially contributing sources, installation of additional piezometers is not proposed in this stretch.
- *Downstream Stretch* (from 1,000 to 2,750 ft.):
    - Sediments in the *Downstream Stretch* consist of moderately to poorly-sorted, fine to coarse sand, trace gravel, and trace organics. This stretch has the lowest water velocity and turbulence and is more favorable for piezometer installation both in implementation and based on groundwater elevation data to assess potential discharge locations and river conditions. As such, it is the focus of the next phase of the off-property investigation, as discussed below.

Based on the subsurface investigation data from MW-703, recent groundwater analytical results, the area-wide gauging event conducted in December 2012, and the results from the Still River walk conducted in July 2012, the following activities are proposed for the next phase of the off-property investigation:

- Task 1 – Piezometer Installation: As discussed previously, groundwater flow is focused on a distinct portion of the river in the vicinity of the 24 and 28 Finance Drive properties (*Downstream Stretch*). While there are no shallow SWPC exceedances adjacent to the river (at DPMW-1), further investigation is proposed to confirm these results within the presumed groundwater discharge zone to the River. Five piezometer locations are proposed to be installed approximately every 200 ft. within the stretch of the river between stations 1050 to 1850, as depicted on Figure 4. Sediment in this area was determined during the July 2012 Still River walk to consist of fine to coarse sand with trace gravel and organics. This stretch of the river had reduced velocity and turbulence, making it more favorable for piezometer installation compared to the upstream stretches of river. It is planned that the piezometers will be installed following the same procedures and construction details used during the 2011 piezometer installation. The piezometers will be labeled PZ-101 through PZ-105 in a sequential order down the river. The locations will be recorded via GPS and the vertical elevations will be surveyed following installation.
- Task 2 – Sample Collection: Following installation of the piezometers, water levels (inside and outside) will be measured at each of the piezometers and all other accessible monitoring well locations. Groundwater and surface water samples (e.g., inside and outside of the piezometer) will be collected from each piezometer location for VOC analysis. Samples will be collected in laboratory supplied containers and submitted to Alpha Analytical in Westborough, Massachusetts for VOC analysis via CT RCP 8260B. Applicable detection limits for comparison to surface water action levels will be requested for both data sets. In addition, groundwater will be collected from monitoring wells MW-703 and DPMW-1 for VOC analysis during the same timeframe as the groundwater/ surface water sample collection.

Schedule: The timing for the installation of piezometers will be dependent on Agency review and approval as well as river flow rates (successful installation and for health and safety). It is anticipated that piezometer installation will take 2 to 3 days and groundwater and surface water sampling will take an additional 1 to 2 days. Piezometer installation will commence upon EPA approval of the scope of work and lower water levels and surface water flow to ensure adequate health and safety requirements can be met. Local precipitation data and provisional gauge height and discharge information from a USGS station (#01201487) located along the Still River in Brookfield, CT will be monitored to identify a period of low flow conditions. The following general indicators will be assessed: 1) the lack of measureable precipitation, 2) a gauge height less than 7.0 ft., and 3) an extended period of discharge less than 100 cubic feet per second (cfs). It is anticipated that flow rates will be lower in June/ July timeframe, as in the past, and installation and sampling would be conducted at that time.

TABLE 1
SUMMARY OF GROUNDWATER FIELD CHEMISTRY PARAMETERS - OFF PROPERTY WELLS

Off-Property Investigation Status Update

Danbury, Connecticut

Monitoring Well ID	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	6/16/2011	9.9	160	17.6	0.943	1.6	5.3	612	9.6
	3/22/2012	10.0	200	13.8	0.650	4.0	6.7	-729	26.0
	9/17/2012	10.2	240	19.4	0.832	0.4	6.4	140	18.2
MW-701B	6/16/2011	29.7	220	16.7	1.375	1.2	4.0	529	49.5
	3/22/2012	29.4	200	16.7	1.239	3.4	6.6	115	150.0
	9/17/2012	30.0	200	18.9	1.534	0.2	6.8	43	23.2
MW-701C	6/16/2011	54.9	250	16.9	1.663	1.4	5.2	497	26.8
	3/22/2012	54.8	200	17.3	1.440	1.5	6.7	-203	18.3
	9/17/2012	54.7	200	16.0	1.795	0.3	6.7	29	10.0
MW-702A	6/16/2011	4.25	200	17.7	1.866	2.7	5.9	523	14.9
	3/22/2012	5.00	200	17.4	0.983	0.9	6.6	-136	19.0
	9/17/2012	5.19	260	22.3	0.697	0.4	6.5	113	16.8
MW-702B	6/16/2011	16.0	200	14.9	7.226	6.4	6.1	515	63.6
	3/22/2012	16.0	280	14.7	6.547	4.0	6.8	-45	45.0
	9/17/2012	15.9	240	18.4	6.330	2.1	5.5	168	165.0
MS-MW-2	6/16/2011	7.98	180	15.3	0.481	2.5	6.1	399	18.6
	9/17/2012	9.15	240	21.3	0.461	0.2	5.6	117	1.9
MW-703	11/27/2012	16.6	180	11.8	3.161	0.5	7.0	40	2.4
DPMW-1	11/27/2012	9.0	210	13.4	0.716	0.06	5.7	25	3.7

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 2
SUMMARY OF VOC RESULTS - OFF-PROPERTY GROUNDWATER MONITORING
4 Old Newtown Road and Augusta Drive
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 - 2003	--	--	--	41,000	920	11,000	810	16,000	67	NE	--
Vol-Res - 2003	--	--	--	3,000	190	830	340	6,500	27	NE	--
Augusta Drive (Northbound Lane)											
MW-701A *	5 - 15	Overburden	16-Jun-11	**5.3**	**12**	**18**	**4.5**	**72**	**120**	<2.0	452
			22-Mar-12	**3.2**	**5.7**	**18**	**2.2**	**23**	**90**	<4.0	142
			17-Sep-12	**3.5**	**5.5**	**13**	**2.6**	**21**	**94**	<2.0 **1.7** (chloroform)	141
MW-701B	25 - 35	Overburden	16-Jun-11	<75	**170**	**110**	**430**	**320**	**5,200**	<200	6,230
			22-Mar-12	<75	**140**	**85**	**480**	**250**	**4,500**	<200	5,455
			17-Sep-12	<38	**130**	**84**	**490**	**250**	**4,400**	<100	5,354
MW-701C	50 - 60	Bedrock	16-Jun-11	<38	**120**	**57**	**460**	**290**	**3,200**	<100	4,127
			22-Mar-12	<38	**110**	**51**	**540**	**200**	**2,700**	<100	3,601
			17-Sep-12	<75	**110**	**97**	**720**	**250**	**4,000**	<200	5,177
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
			22-Mar-12	<0.75	<0.5	0.75	<0.5	<0.5	**3.4**	**130 E**	134
			17-Sep-12	<1.5	<1	<1	<1	<1	**5.4**	**140 JK**	5
MW-702B	11 - 21	Overburden	16-Jun-11	<0.75	**1.4**	**4.4**	**6.6**	**1.4**	**140**	**14**	168
			22-Mar-12	<1.9	**1.2**	**3.9**	**7.7**	<1.2	**100**	**9**	122
			17-Sep-12	<0.75	**1.2**	**3.5**	**7.6**	**0.99**	**98**	**6.9** **0.9** (chloroform)	119
MS-MW-1 *	6 - 11	Overburden	16-Jun-11	**0.86**	**3.8**	**5.4**	**3.1**	**3.5**	**91**	<2.0	108
			22-Mar-12	<0.75	**0.53**	**0.98**	**1.3**	**1.5**	**35**	<2.0	39
MS-MW-2 *	7 - 12	Overburden	16-Jun-11	<0.75	<0.5	**0.68**	<0.5	<0.5	**3.0**	<2.0	3.7
			17-Sep-12	<0.75	<0.5	**2**	<0.5	<0.5	**11**	<2	13

TABLE 2
SUMMARY OF VOC RESULTS - OFF-PROPERTY GROUNDWATER MONITORING
4 Old Newtown Road and Augusta Drive

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
28 Finance Drive											
MW-703	12 - 22	Overburden	27-Nov-12	<19	**75**	**66**	**180**	**81**	**1,800**	<25 VC	2,202
DPMW-1 *	? - 13	Overburden	27-Nov-12	**2.2**	**4.7**	**100**	<0.5	**2**	**3**	**5.9** (VC, Vol-Res = 1.6 Vol-I/C = 52)	112

Notes/Abbreviations:

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

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

Vol-I/C = CTDEEP RSRs Volatilization Criteria Industrial/Commercial (I/C) - Proposed Revisions, March 2003

Vol-Res = CTDEEP RSRs Volatilization Criteria Residential (Res) - Proposed Revisions, March 2003

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 standards have not yet been promulgated.

* indicates the well is screened across the water table surface and are compared to the Vol-I/C and/or Vol-Res, as applicable.

+ indicates the well is located adjacent to the wetlands and are compared to the CT WQS - Aquatic

E = Analyzed compound exceeded the instrument linear calibration range

JK = Estimated, bias unknown

TABLE 3
SUMMARY OF INORGANIC RESULTS - OFF-PROPERTY GROUNDWATER MONITORING
Off-Property Investigation Status Update
Danbury, Connecticut

Monitoring Well ID	Well Screen Interval (ft bgs)	Geologic Unit	Sample Date	Inorganics Detected (ug/l)													
				Total Cyanide	Total Antimony	Total Arsenic	Total Beryllium	Total Cadmium	Total Chromium	Total Copper	Total Lead	Total Mercury	Total Nickel	Total Selenium	Total Silver	Total Thallium	Total Zinc
SWPC	--	--	--	52	86000	4.0	4.0	6.0	NE	48	13	0.4	880	50	12	63	123
CT WQS - Aquatic [1]	--	--	--	5.2	--	150	--	0.125	11 (hex)	4.8	1.2	0.77	28.9	5.0	--	--	65
Augusta Drive (Northbound Lane)																	
MW-701A	5 - 15	Overburden	16-Jun-11	<5	<2	<1	<1	<5	<10	<10	<10	<0.2	<25	<10	<7	<1	<50
			22-Mar-12	**10**	**1.0**	<1	<1	**1.2**	<10	**4.7**	**1.5**	<0.2	<25	<2	<7	<1	<50
MW-701B	25 - 35	Overburden	16-Jun-11	<5	<2	<1	<1	<5	<10	<10	<10	<0.2	<25	<10	<7	<1	<50
			22-Mar-12	<10	<1	<1	<1	**0.6**	<10	**14.5**	**2.9**	<0.2	<25	<2	<7	<1	<50
MW-701C	50 - 60	Bedrock	16-Jun-11	<5	<2	<1	<1	<5	<10	<10	<10	<0.2	<25	<10	<7	<1	<50
			22-Mar-12	<5	<1	<1	<1	**0.7**	<10	**5.2**	<1	<0.2	<25	<2	<7	<1	<50
4 Old Newtown Road (Amphenol RF; formerly Medsource & Tenax Corp.)																	
MW-702A +	2 - 8	Overburden	16-Jun-11	<5	<4	<2	<2	<5	<10	<10	<10	<0.2	<25	<10	<7	<2	<50
			22-Mar-12	<5	<1	<1	<1	<0.4	<10	**1.9**	<1	<0.2	<25	<2	<7	<1	<50
			17-Sep-12	<5	<50	<0.5	<0.5	<0.5	<10	**1.6**	<0.5	<0.2	<25	<10	<7	<20	<50
MW-702B	11 - 21	Overburden	16-Jun-11	<5	<2	<1	<1	<5	<10	<10	<10	<0.2	<25	<10	<7	<1	<50
			22-Mar-12	**13**	<1	**1.2**	<1	<0.4	<10	**3.1**	<1	<0.2	<25	<2	<7	<1	<50
MS-MW-1	6 - 11	Overburden	16-Jun-11	<5	<2	**1.1**	<1	<5	<10	**14**	<10	**8.2**	<25	<10	<7	<10	**76**
			22-Mar-12	<5	<1	<1	<1	<0.4	<10	**4.2**	<1	**1.5**	<25	<2	<7	<1	<50
MS-MW-2	7 - 12	Overburden	16-Jun-11	<5	<2	<1	<1	<5	<10	<10	<10	<0.2	<25	<10	<7	<1	<50
			22-Mar-12	<5	<1	<1	<1	<0.4	<10	**1.3**	<1	<0.2	<25	<2	<7	<1	<50
			17-Sep-12	<5	<50	<0.5	<0.5	<0.5	<10	**0.9**	<0.5	<0.2	<25	<10	<7	<20	<50
MS-MW-4 +	3 - 8	Overburden	16-Jun-11	<5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			22-Mar-12	<5	<1	**1.3**	<1	<0.4	<10	**1.8**	<1	<0.2	<25	<2	<7	<1	<50
MS-MW-7	6.4 - 11.4	Overburden	30-Jun-11	<5	<1	<0.5	<0.5	<5	<10	<10	<10	<0.2	<25	<10	<7	<0.5	<50
			22-Mar-12	<5	<1	<1	<1	<0.4	<10	**3.4**	**2.4**	<0.2	<25	<2	<7	<1	<50
28 Finance Drive																	
MW-703	12 - 22	Overburden	27-Nov-12	<5	<50	<1	<1	<5	<10	<10	<10	<0.2	<25	<10	<7	<20	<50
DPMW-1	? - 13	Overburden	27-Nov-12	<5	<50	**1.5**	<0.5	<5	<10	<10	<10	<0.2	<25	<10	<7	<20	<50

Notes/Abbreviations:

All results provided in ug/l (micrograms per liter (parts per billion equivalent))

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

[1] The CT WQS- Aquatic are the CTDEEP Water Quality Criteria (Current - 2002 and December 2009 Proposed Aquatic Freshwater Chronic values)

+ indicates the well is located adjacent to the wetlands and are compared to the CT WQS - Aquatic

NS - constituent not sampled

TABLE 4
SUMMARY OF GROUNDWATER LEVEL MEASUREMENTS - OFF-PROPERTY WELLS
Off-Property Investigation Status Update
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-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
			3/21/2012	6.25	287.80
			6/28/2012	6.38	287.67
			9/17/2012	6.69	287.36
			12/10/2012	6.30	287.75
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
			3/21/2012	4.72	287.30
			6/28/2012	3.80	288.22
			9/17/2012	5.18	286.84
			12/10/2012	4.69	287.33
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
			3/21/2012	5.68	288.53
			6/28/2012	5.81	288.40
			9/17/2012	6.21	288.00
			12/10/2012	5.04	289.17
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
			3/21/2012	2.57	289.66
			6/28/2012	2.28	289.95
			9/17/2012	3.26	288.97
			12/10/2012	2.01	290.22

TABLE 4
SUMMARY OF GROUNDWATER LEVEL MEASUREMENTS - OFF-PROPERTY WELLS
Off-Property Investigation Status Update
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-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
			3/21/2012	7.28	291.62
			6/28/2012	8.16	290.74
			9/17/2012	8.49	290.41
			12/10/2012	Not Accessible	
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
			3/21/2012	8.33	290.45
			6/28/2012	8.81	289.97
			9/17/2012	9.20	289.58
			12/10/2012	9.15	289.63
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
			3/21/2012	5.06	287.62
			6/28/2012	5.21	287.47
			9/17/2012	5.55	287.13
			12/10/2012	5.67	287.01

TABLE 4
SUMMARY OF GROUNDWATER LEVEL MEASUREMENTS - OFF-PROPERTY WELLS
Off-Property Investigation Status Update
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-701A		292.88	8/3/2011	6.22	286.66
			3/21/2012	5.31	287.57
			6/28/2012	5.50	287.38
			9/17/2012	5.73	287.15
			12/10/2012	5.44	287.44
MW-701B		292.92	8/3/2011	6.19	286.73
			3/21/2012	5.38	287.54
			6/28/2012	5.61	287.31
			9/17/2012	5.89	287.03
			12/10/2012	5.40	287.52
MW-701C		292.85	8/3/2011	6.34	286.51
			3/21/2012	5.40	287.45
			6/28/2012	5.63	287.22
			9/17/2012	5.84	287.01
			12/10/2012	5.34	287.51
MW-702A		291.13	8/3/2011	2.80	288.33
			3/21/2012	2.04	289.09
			6/28/2012	2.30	288.83
			9/17/2012	3.22	287.91
			12/10/2012	1.99	289.14
MW-702B		291.37	8/3/2011	3.67	287.70
			3/21/2012	2.62	288.75
			6/28/2012	2.76	288.61
			9/17/2012	2.57	288.80
			12/10/2012	2.09	289.28
MW-703		289.99	12/10/2012	4.66	285.33
DPMW-01		290.23	12/10/2012	4.91	285.32
DPMW-02		290.67	12/10/2012	destroyed - filled in	
DPMW-03		292.29	12/10/2012	6.47	285.82
DPMW-04		293.48	12/10/2012	7.84	285.64
GAR-MW-1A		295.37	3/21/2012	6.40	288.97
			6/28/2012	6.60	288.77
			9/17/2012	6.87	288.50
			12/10/2012	6.45	288.92
GAR-MW-2A			3/21/2012	3.67	--
			6/28/2012	4.20	--
			9/17/2012	5.05	--
			12/10/2012	4.11	--

TABLE 4
SUMMARY OF GROUNDWATER LEVEL MEASUREMENTS - OFF-PROPERTY WELLS
Off-Property Investigation Status Update
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)*
GAR-MW-3A		292.83	3/21/2012	4.10	288.73
			6/28/2012	4.32	288.51
			9/17/2012	4.60	288.23
			12/10/2012	4.00	288.83
GAR-MW-4		295.00	3/21/2012	6.05	288.95
			6/28/2012	6.24	288.76
			9/17/2012	6.51	288.49
			12/10/2012	5.97	289.03
GAR-MW-5		293.09	3/21/2012	5.14	287.95
			6/28/2012	5.46	287.63
			9/17/2012	5.68	287.41
			12/10/2012	5.07	288.02
GAR-MW-6		294.02	3/21/2012	6.05	287.97
			6/28/2012	6.28	287.74
			9/17/2012	6.53	287.49
			12/10/2012	5.99	288.03
GAR-MW-7		292.75	3/21/2012	4.91	287.84
			6/28/2012	5.03	287.72
			9/17/2012	5.39	287.36
			12/10/2012	4.82	287.93

Notes/Abbreviations:

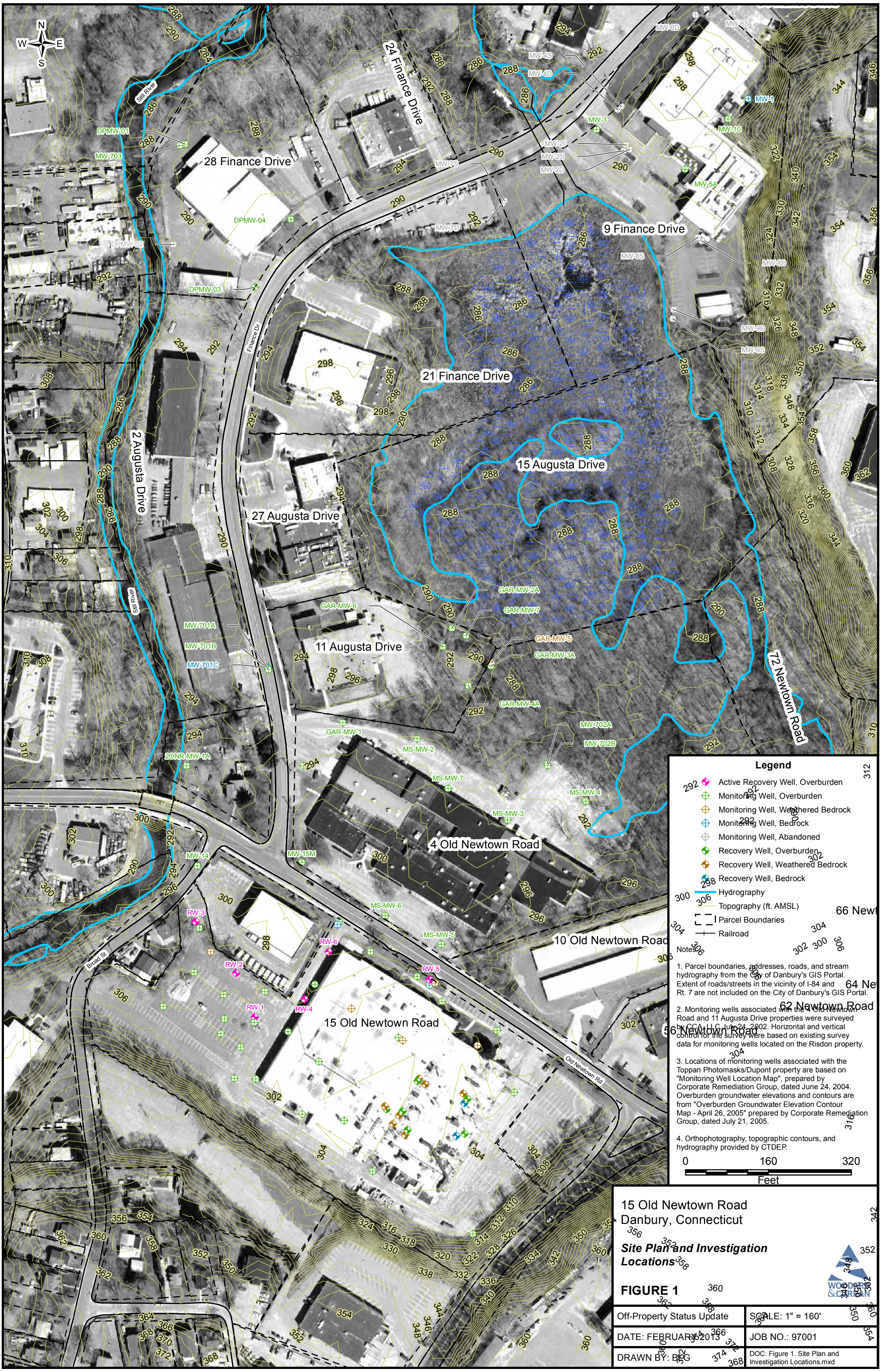
1. Measuring point refers to top of PVC casing, unless otherwise noted.

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.

ft = feet

NM = not measured

NA = not applicable since DTW not measured

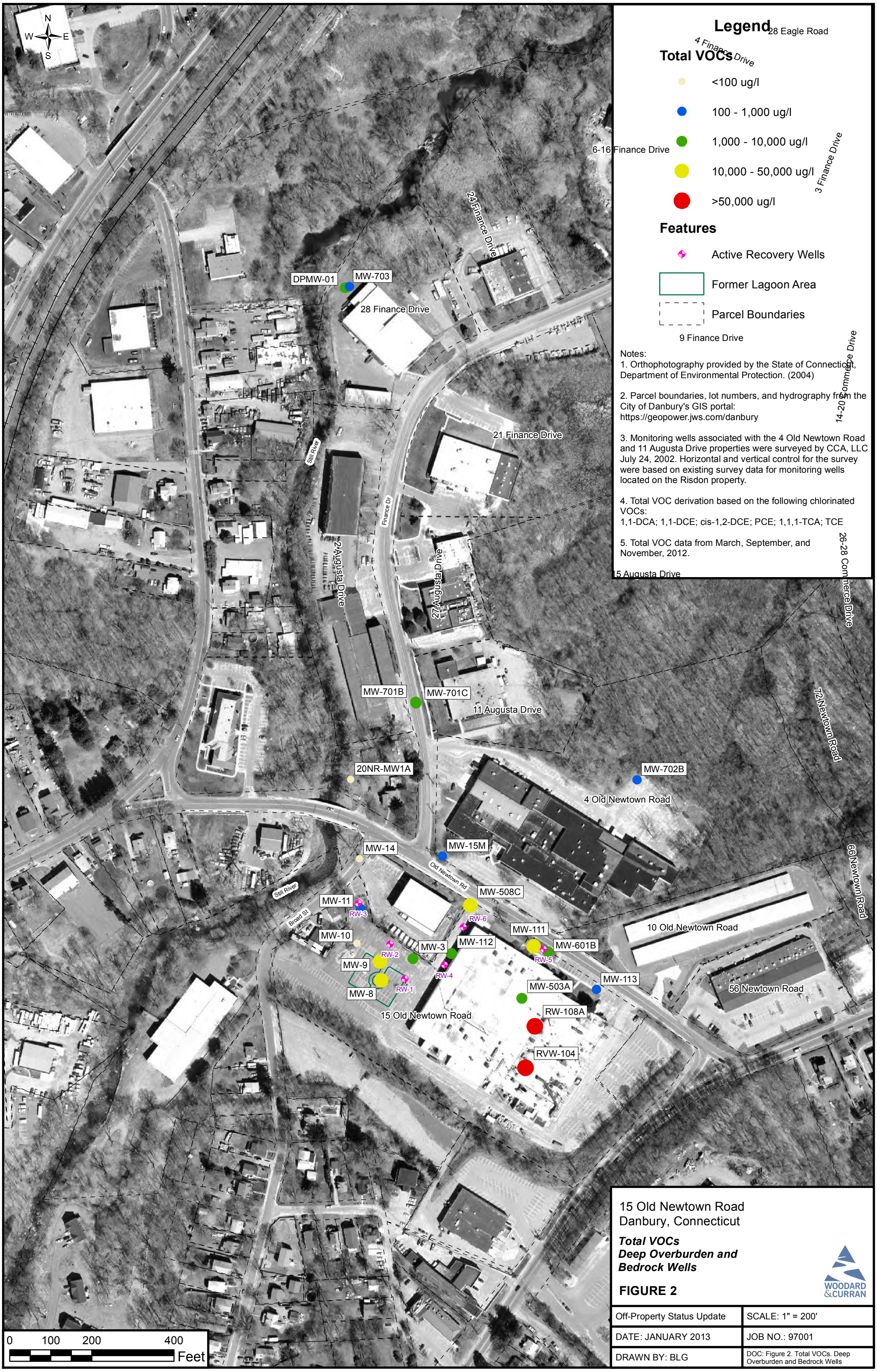


15 Old Newtown Road
Danbury, Connecticut

Site Plan and Investigation Locations

FIGURE 1

Off-Property Status Update	SCALE: 1" = 160'
DATE: FEBRUARY 2013	JOB NO.: 97001
DRAWN BY: BCG	DOC: Figure 1. Site Plan and Investigation Locations.mxd



15 Old Newtown Road
Danbury, Connecticut

Total VOCs
Deep Overburden and Bedrock Wells

FIGURE 2

WOODARD & CURRAN

Off-Property Status Update	SCALE: 1" = 200'
DATE: JANUARY 2013	JOB NO.: 97001
DRAWN BY: BLG	DOC: Figure 2. Total VOCs. Deep Overburden and Bedrock Wells

N
W E
S

Legend

- Active Recovery Well, Overburden
- Monitoring Well, Overburden
- Monitoring Well, Weathered Bedrock
- Monitoring Well, Bedrock
- Monitoring Well,
- Recovery Well, Overburden
- Recovery Well, Weathered Bedrock
- Recovery Well, Bedrock
- Groundwater Elevation Contours December 10,
- Groundwater Elevation Contours April 26,2005 (See Note 3)
- Parcel Boundaries
- Railroad

Notes:

1. 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.

2. 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.

3. 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.

Topographic High

Topographic High

38 Commerce Drive
Still River
Eagle Rd
28 Eagle Road
4 Finance Drive
Still River
6-16 Finance Drive
3 Finance Drive
4 Commerce Drive
3 Commerce Drive
24 Finance Drive
MW-4S
MW-4D
MW-6D
MW-6S
285
286
287
288
MW-1
MW-3
MW-10
DPMW-01
MW-703
28 Finance Drive
MW-7S
MW-2S
MW-2I
MW-2D
MW-5A
Finance Dr
DPMW-04
MW-7D
9 Finance Drive
Commerce Dr
7 Commerce Drive
DPMW-02
MW-8S
MW-8D
DPMW-03
286
14-20 Commerce Drive
MW-9D
MW-9S
17 Commerce Drive
21 Finance Drive
21 Commerce Drive
2 Augusta Drive
15 Augusta Drive
27 Augusta Drive
26-28 Commerce Drive
GAR-MW-2A
GAR-MW-7
GAR-MW-6
GAR-MW-5
GAR-MW-3A
MW-701A
MW-701B
MW-701C
11 Augusta Drive
GAR-MW-4A
72 Newtown Road
GAR-MW-1
MS-MW-2
MW-702A
MW-702B
70 Newtown Road
2ONR-MW-1A
MS-MW-1A
MS-MW-7
MS-MW-3
MS-MW-4
288
MW-14
MW-15M
4 Old Newtown Road
290
288
MS-MW-6
MS-MW-5
66 Newtown Road
10 Old Newtown Road
Broad St
290
64 Newtown Road
62 Newtown Road
Newtown Rd
15 Old Newtown Road
56 Newtown Road
290
292
Old Newtown Rd
294
296
298
300
302
MW-1

0 250 500
Feet

15 Old Newtown Road
Danbury, Connecticut

Inferred Groundwater Elevation Contours December 10, 2012

FIGURE 3

WOODARD &CURRAN

Off-Property Status Update	SCALE: 1" = 250'
DATE: FEBRUARY 2013	JOB NO.: 97001
DRAWN BY: BLG	DOC: Figure 3. Inferred Groundwater Elevation Contours

Downstream Stretch:

Sediments in this area consist of moderately to poorly-sorted, fine to coarse sand, trace gravel, and trace organics.

Stretch has lowest water velocity and turbulence.

Area is favorable for piezometer installation to assess potential discharge locations and river conditions.

Proposed Plan: Installation of 5 piezometers every 200 feet between stations 1050 and 1850. Following piezometer installation, collection of groundwater and surface water from/ adjacent to each piezometer and collection of groundwater from MW-703 and DPMW-1 for VOC analysis.

2 Augusta Drive Stretch:

Area of numerous outfalls (up to 10 outfalls observed), debris, trash, etc.

Typical of a highly urbanized/ developed setting.

Sediments in this area consist of fine to coarse sand, some gravel, and trace organics. River base is armored with cobbles.

Stream velocity is higher than Downstream Stretch, water is moderately turbulent.

One piezometer (PZ-1) has been installed in this stretch on two occasions with significant difficulty due to the river base substrate. Groundwater elevation data has been collected from this location on several locations providing insight and sufficient data on groundwater elevation/discharge in the area. This piezometer has been destroyed twice due to heavy river flow and washout of large objects/debris. Based on the groundwater elevation data and due to the presence of numerous other potentially contributing sources, installation of piezometers is not proposed in this stretch.

Former Risdon Facility Outfall Stretch:

Two sediment samples and one reference sample collected from area during initial off-property work.

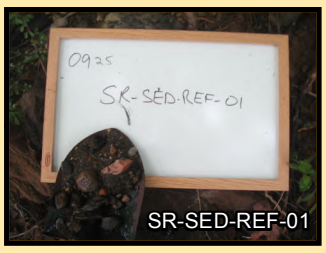
River base is very rocky with sediments consisting of angular to well-rounded sand, gravel, cobbles, and boulders. (See photo below)

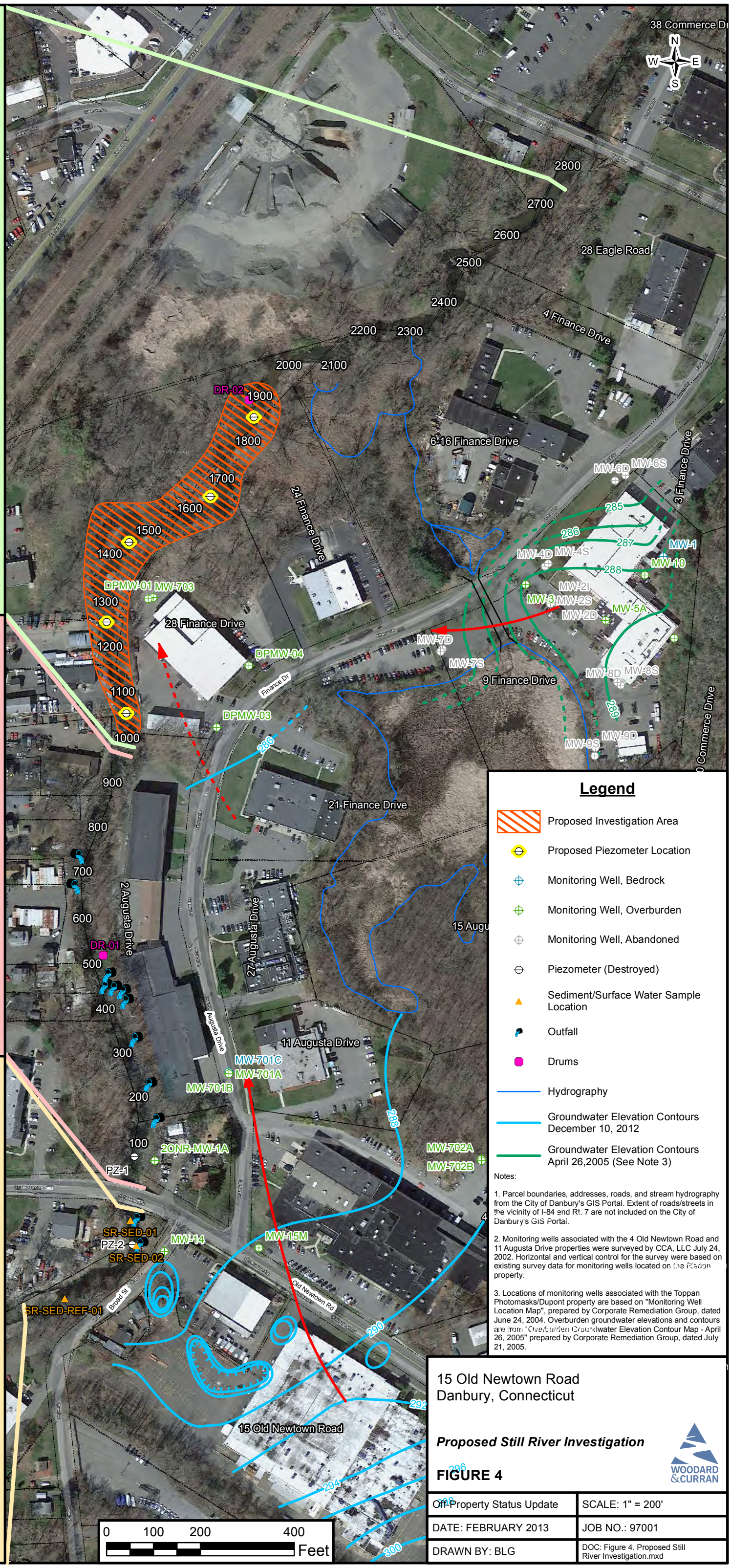
Stretch has highest water velocity and turbulance and is narrower than other stretches.

Adjacent to second outfall (near SR-SD-01), a pool of low velocity water was observed. Sediment in pool consists of coarse to medium sand, fine gravel, and trace silt.

No depositional areas observed in this area, aside from pool noted above.

One piezometer has been installed in this stretch on two occasions with significant difficulty due to the river base substrate. Groundwater elevation data has been collected from this location on several locations providing insight and sufficient data on groundwater elevation/ discharge in the area. This piezometer has been destroyed twice due to heavy river flow and washout of large objects/debris. As such, no further sediment sampling nor are any piezometers proposed to be installed in this stretch.





Legend

- Proposed Investigation Area
- Proposed Piezometer Location
- Monitoring Well, Bedrock
- Monitoring Well, Overburden
- Monitoring Well, Abandoned
- Piezometer (Destroyed)
- Sediment/Surface Water Sample Location
- Outfall
- Drums
- Hydrography
- Groundwater Elevation Contours December 10, 2012
- Groundwater Elevation Contours April 26,2005 (See Note 3)

Notes:

1. 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.

2. 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.

3. 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.

15 Old Newtown Road
Danbury, Connecticut

Proposed Still River Investigation

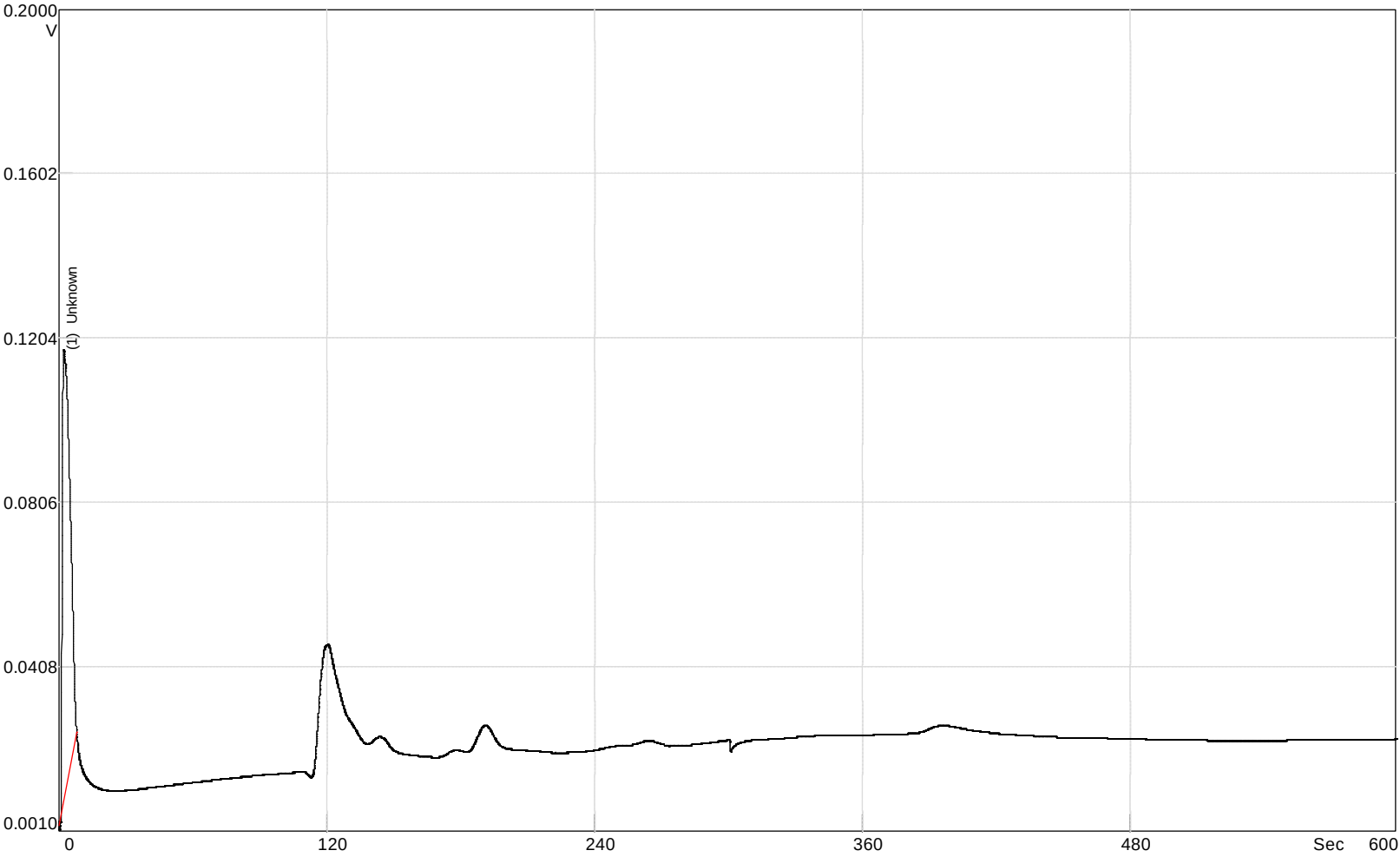
FIGURE 4

WOODARD & CURRAN

Off-Property Status Update	SCALE: 1" = 200'
DATE: FEBRUARY 2013	JOB NO.: 97001
DRAWN BY: BLG	DOC: Figure 4. Proposed Still River Investigation.mxd

ATTACHMENT A: FIELD GC CHROMATOGRAPHS

SiteChart Analysis Report - 2012.11.13 703B-6.PID



RESULTS:

Date	Nov 13, 2012
Time	11:54:05
Instrument	EVGP308
Detector	PID
Column	B
Analysis#	7
Tag	M12001
Column Temp	60.0 C
Det Temp	60.0 C
Ambient Temp	20.0 C

METHOD:

Analysis Time	600.0 S
PumpTime	10.0 S
Back Flush	300.0 S
Temperature	60.0 C
Pressure	10.0 psi
Inject	Syringe, 500.0 uL
PID State	High Sense

INTEGRATION METHOD:

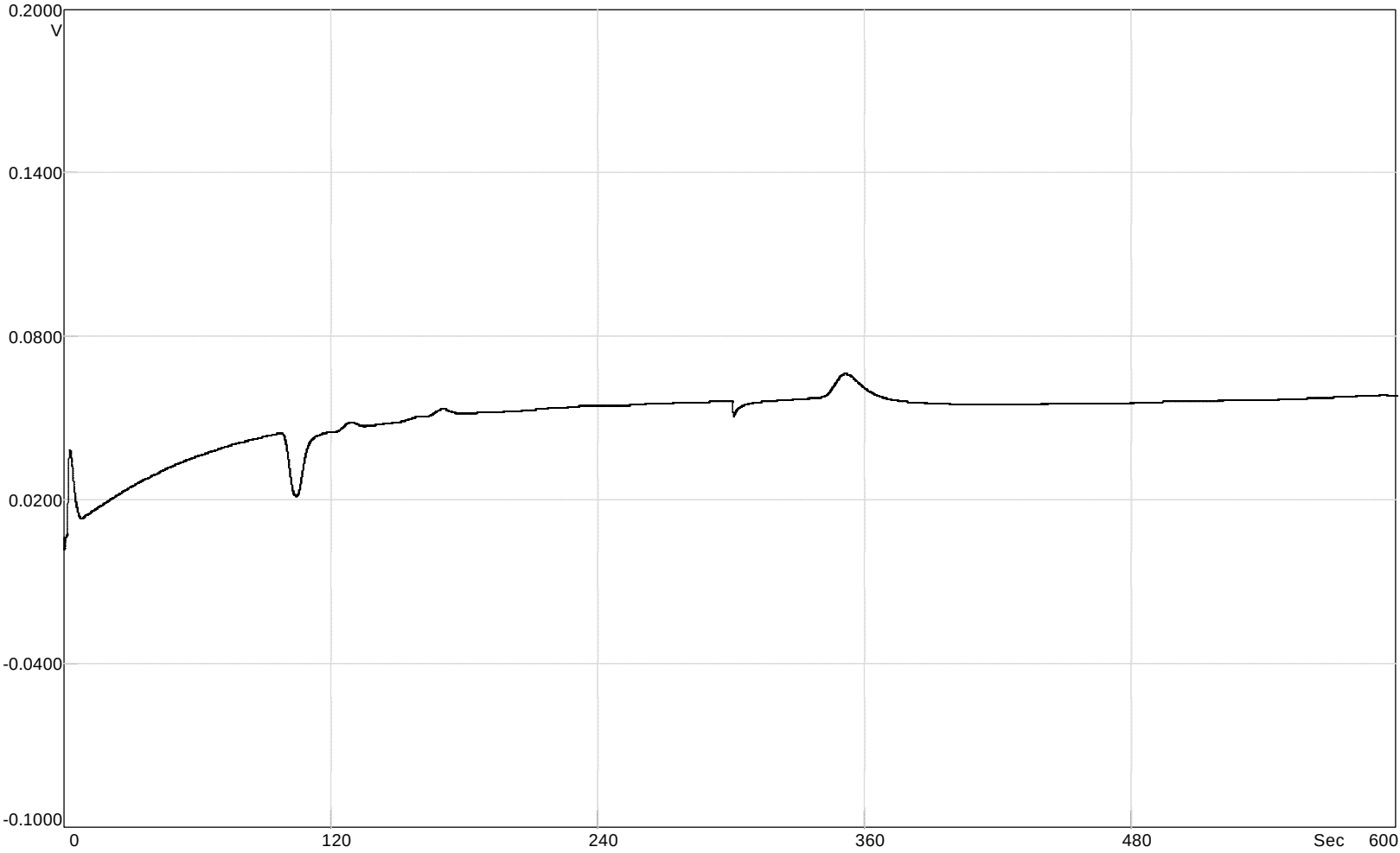
Automatic Integration

SlopeUp	16.0 mV/S
SlopeDown	48.0 mV/S
Min Height	3.7 mV
Min Area	0.0 mVS
FilterLevel	1
Delay	0 Sec

PEAK REPORT:

#	Name	Conc (PPM)	Area (mVS)	Height (mV)	R.T. (S)	Status
1	Unknown		424	114	2.3	

SiteChart Analysis Report - 2012.11.14 703b-08.PID



RESULTS:

Date	Nov 14, 2012
Time	11:54:07
Instrument	EVGP308
Detector	PID
Column	B
Analysis#	12
Tag	M12001
Column Temp	60.0 C
Det Temp	60.0 C
Ambient Temp	17.0 C

METHOD:

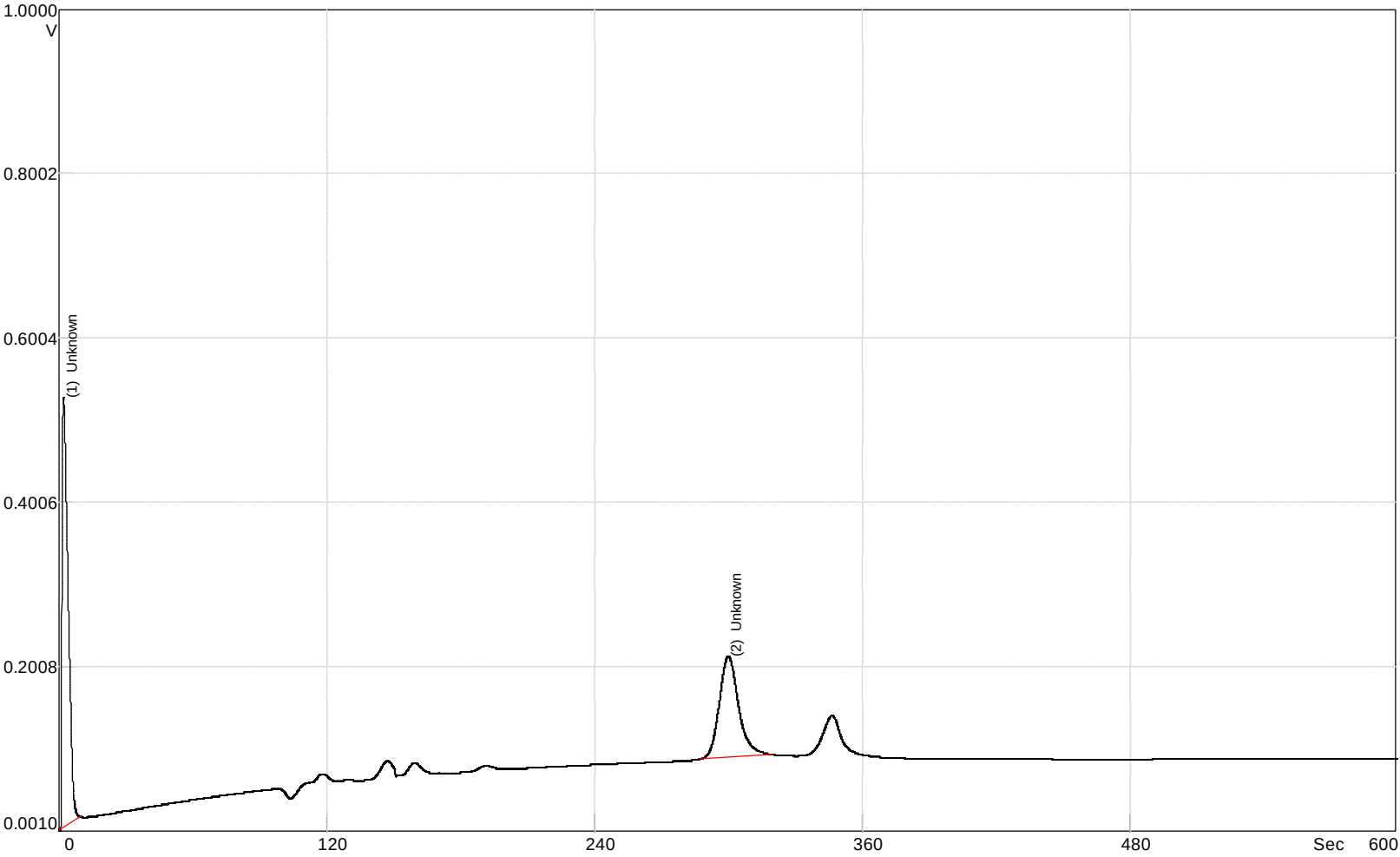
Analysis Time	600.0 S
PumpTime	10.0 S
Back Flush	300.0 S
Temperature	60.0 C
Pressure	10.0 psi
Inject	Syringe, 500.0 uL
PID State	High Sense

INTEGRATION METHOD:

Automatic Integration

SlopeUp	12.5 mV/S
SlopeDown	37.5 mV/S
Min Height	8.5 mV
Min Area	0.0 mVS
FilterLevel	1
Delay	0 Sec

SiteChart Analysis Report - 2012.11.14 703b-10.PID



RESULTS:

Date	Nov 14, 2012
Time	11:26:50
Instrument	EVGP308
Detector	PID
Column	B
Analysis#	10
Tag	M12001
Column Temp	60.0 C
Det Temp	60.0 C
Ambient Temp	17.0 C

METHOD:

Analysis Time	600.0 S
PumpTime	10.0 S
Back Flush	150.0 S
Temperature	60.0 C
Pressure	10.0 psi
Inject	Syringe, 500.0 uL
PID State	High Sense

INTEGRATION METHOD:

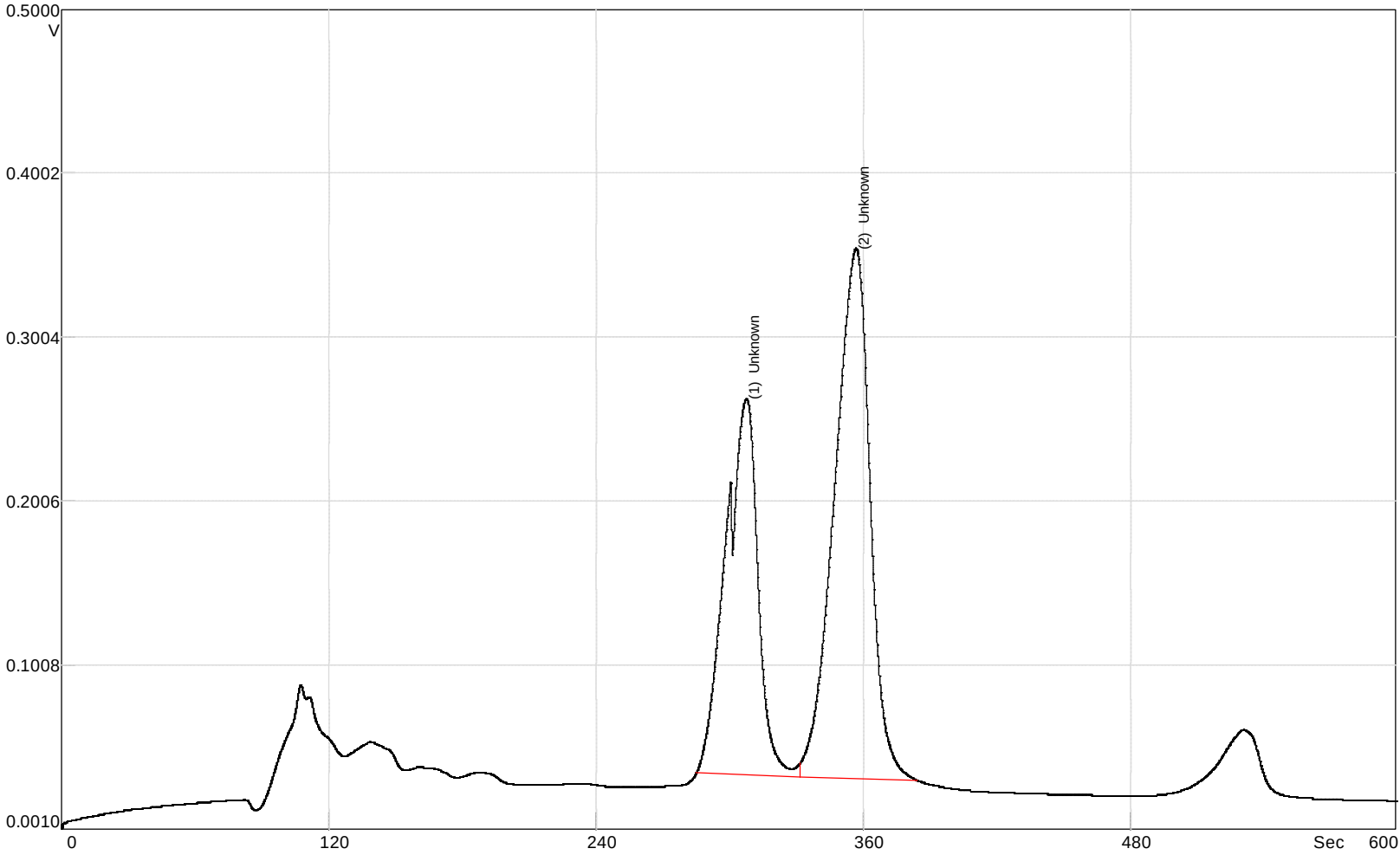
Automatic Integration

SlopeUp	7.3 mV/S
SlopeDown	22.0 mV/S
Min Height	4.9 mV
Min Area	0.0 mVS
FilterLevel	1
Delay	0 Sec

PEAK REPORT:

#	Name	Conc (PPM)	Area (mVS)	Height (mV)	R.T. (S)	Status
1	Unknown		1616	525	2.1	
2	Unknown		1227	126	299.7	

SiteChart Analysis Report - 2012.11.13 703B-12.PID



RESULTS:

Date	Nov 13, 2012
Time	18:11:48
Instrument	EVGP308
Detector	PID
Column	B
Analysis#	32
Tag	M12001
Column Temp	60.0 C
Det Temp	60.0 C
Ambient Temp	19.0 C

METHOD:

Analysis Time	600.0 S
PumpTime	10.0 S
Back Flush	300.0 S
Temperature	60.0 C
Pressure	10.0 psi
Inject	Syringe, 500.0 uL
PID State	High Sense

INTEGRATION METHOD:

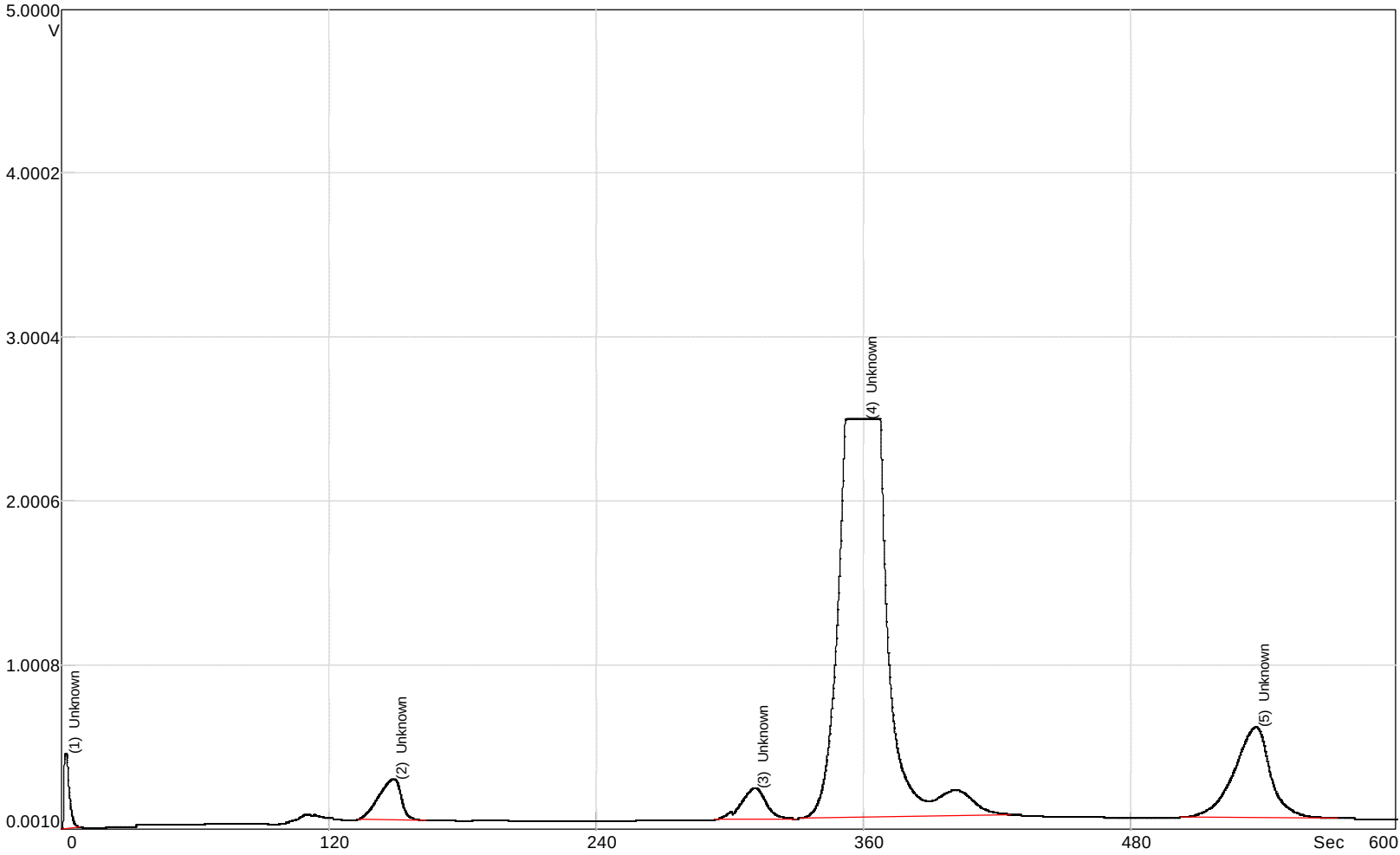
Automatic Integration

SlopeUp	12.9 mV/S
SlopeDown	38.6 mV/S
Min Height	5.6 mV
Min Area	0.0 mVS
FilterLevel	1
Delay	0 Sec

PEAK REPORT:

#	Name	Conc (PPM)	Area (mVS)	Height (mV)	R.T. (S)	Status
1	Unknown		3862	232	307.2	
2	Unknown		5980	314	356.3	

SiteChart Analysis Report - 2012.11.13 703B-14.PID



RESULTS:

Date	Nov 13, 2012
Time	17:44:32
Instrument	EVGP308
Detector	PID
Column	B
Analysis#	30
Tag	M12001
Column Temp	59.0 C
Det Temp	59.0 C
Ambient Temp	19.0 C

METHOD:

Analysis Time	600.0 S
PumpTime	10.0 S
Back Flush	300.0 S
Temperature	60.0 C
Pressure	10.0 psi
Inject	Syringe, 500.0 uL
PID State	High Sense

INTEGRATION METHOD:

Automatic Integration

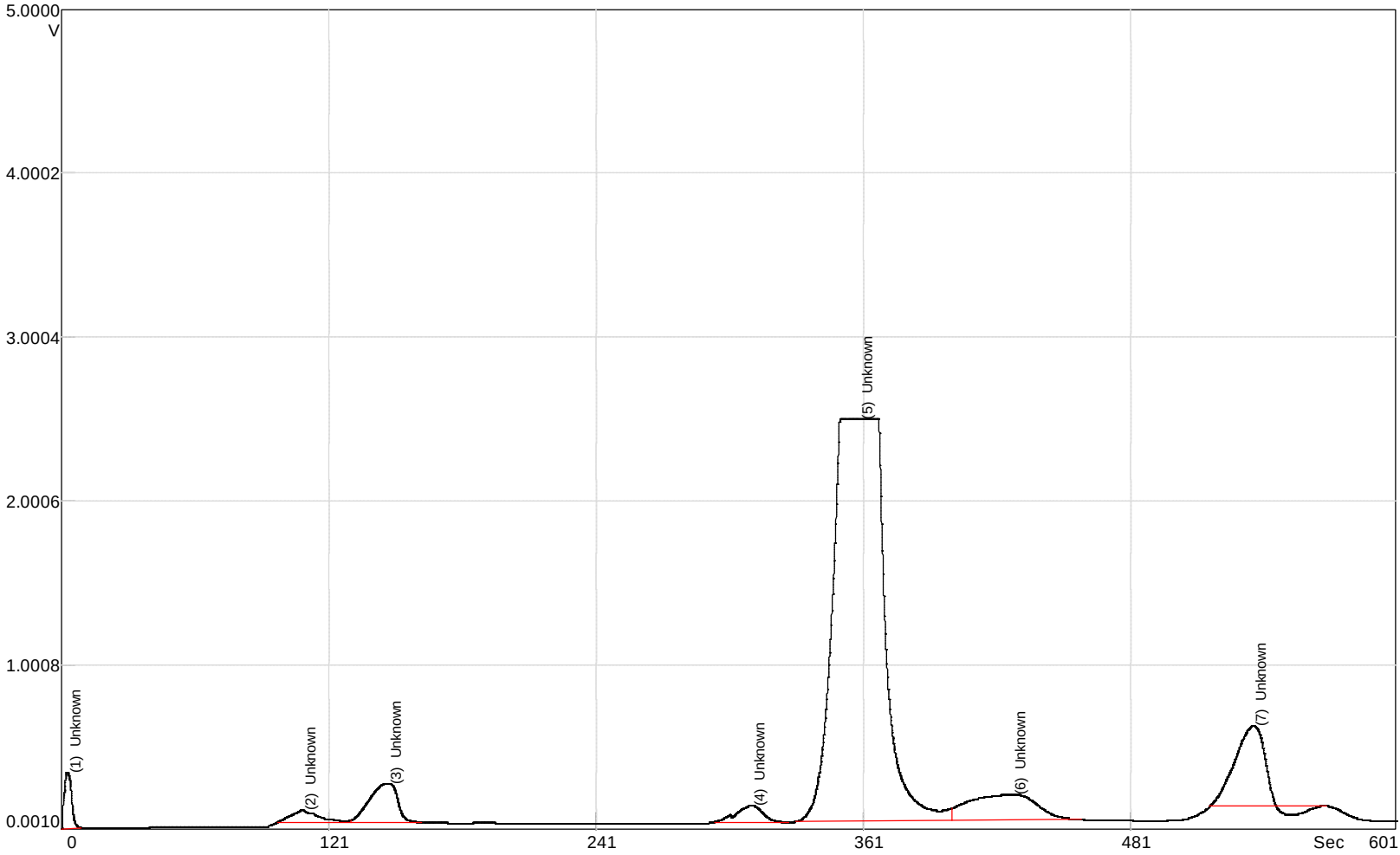
SlopeUp	12.1 mV/S
SlopeDown	36.2 mV/S
Min Height	5.4 mV
Min Area	0.0 mVS
FilterLevel	1
Delay	0 Sec

PEAK REPORT:

#	Name	Conc (PPM)	Area (mVS)	Height (mV)	R.T. (S)	Status
1	Unknown		1210	458	2.3	
2	Unknown		2870	249	149.0	
3	Unknown		2433	196	310.9	

4	Unknown	89548	2429	359.7
5	Unknown	10501	553	535.8

SiteChart Analysis Report - 2012.11.13 703B-16.PID



RESULTS:

Date	Nov 13, 2012
Time	17:18:22
Instrument	EVGP308
Detector	PID
Column	B
Analysis#	28
Tag	M12001
Column Temp	60.0 C
Det Temp	60.0 C
Ambient Temp	19.0 C

METHOD:

Analysis Time	600.0 S
PumpTime	10.0 S
Back Flush	300.0 S
Temperature	60.0 C
Pressure	10.0 psi
Inject	Syringe, 500.0 uL
PID State	High Sense

INTEGRATION METHOD:

Automatic Integration

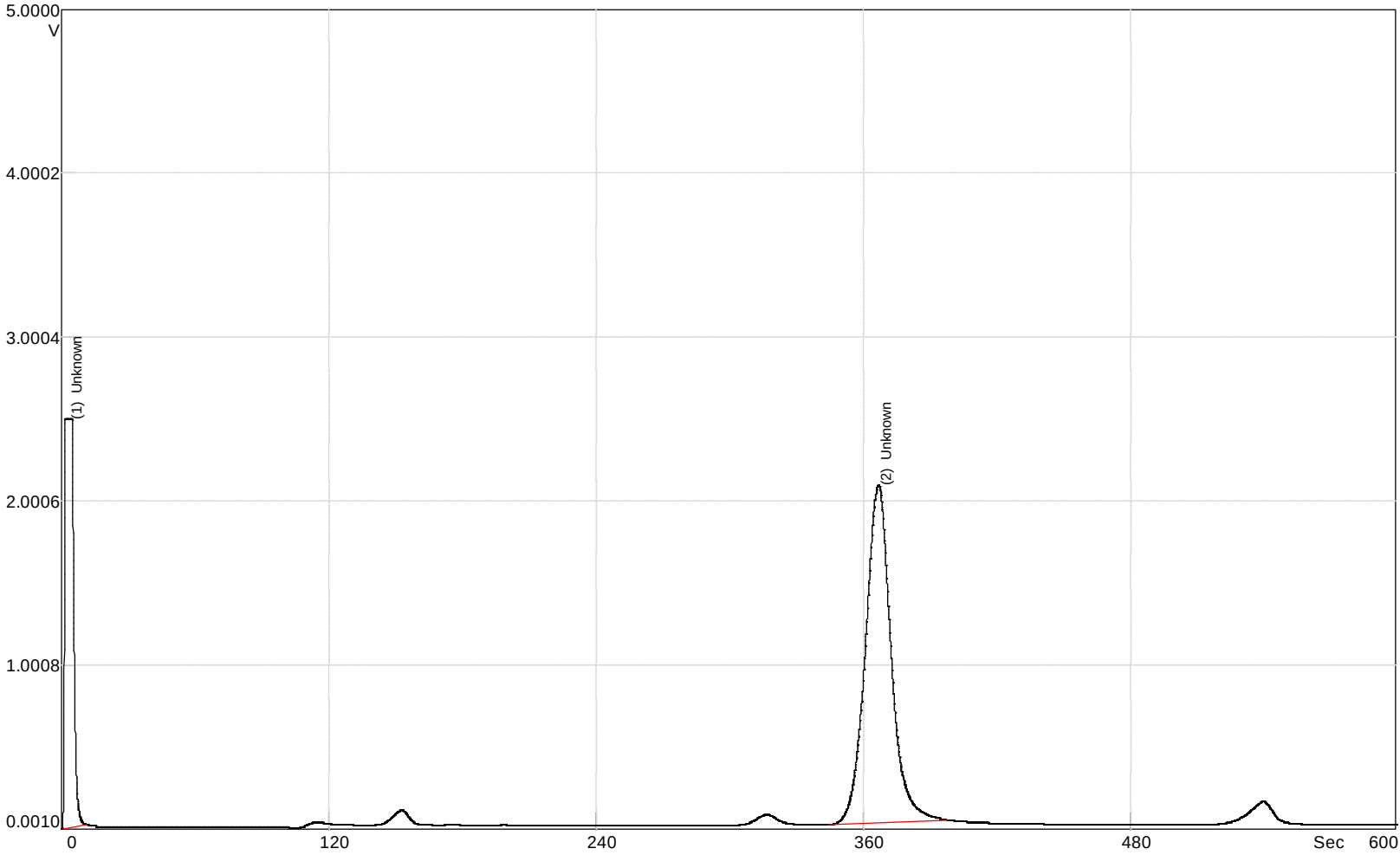
SlopeUp	12.9 mV/S
SlopeDown	38.8 mV/S
Min Height	4.3 mV
Min Area	0.0 mVS
FilterLevel	1
Delay	0 Sec

PEAK REPORT:

#	Name	Conc (PPM)	Area (mVS)	Height (mV)	R.T. (S)	Status
1	Unknown		1234	349	2.5	
2	Unknown		1033	84.3	108.1	
3	Unknown		3433	230	146.4	

4	Unknown	1366	105	309.9
5	Unknown	98633	2451	358.3
6	Unknown	5561	91.6	426.8
7	Unknown	6844	530	534.9

SiteChart Analysis Report - 2012.11.13 703B-18.PID



RESULTS:

Date	Nov 13, 2012
Time	16:53:34
Instrument	EVGP308
Detector	PID
Column	B
Analysis#	26
Tag	M12001
Column Temp	59.0 C
Det Temp	59.0 C
Ambient Temp	18.0 C

METHOD:

Analysis Time	600.0 S
PumpTime	10.0 S
Back Flush	300.0 S
Temperature	60.0 C
Pressure	10.0 psi
Inject	Syringe, 500.0 uL
PID State	High Sense

INTEGRATION METHOD:

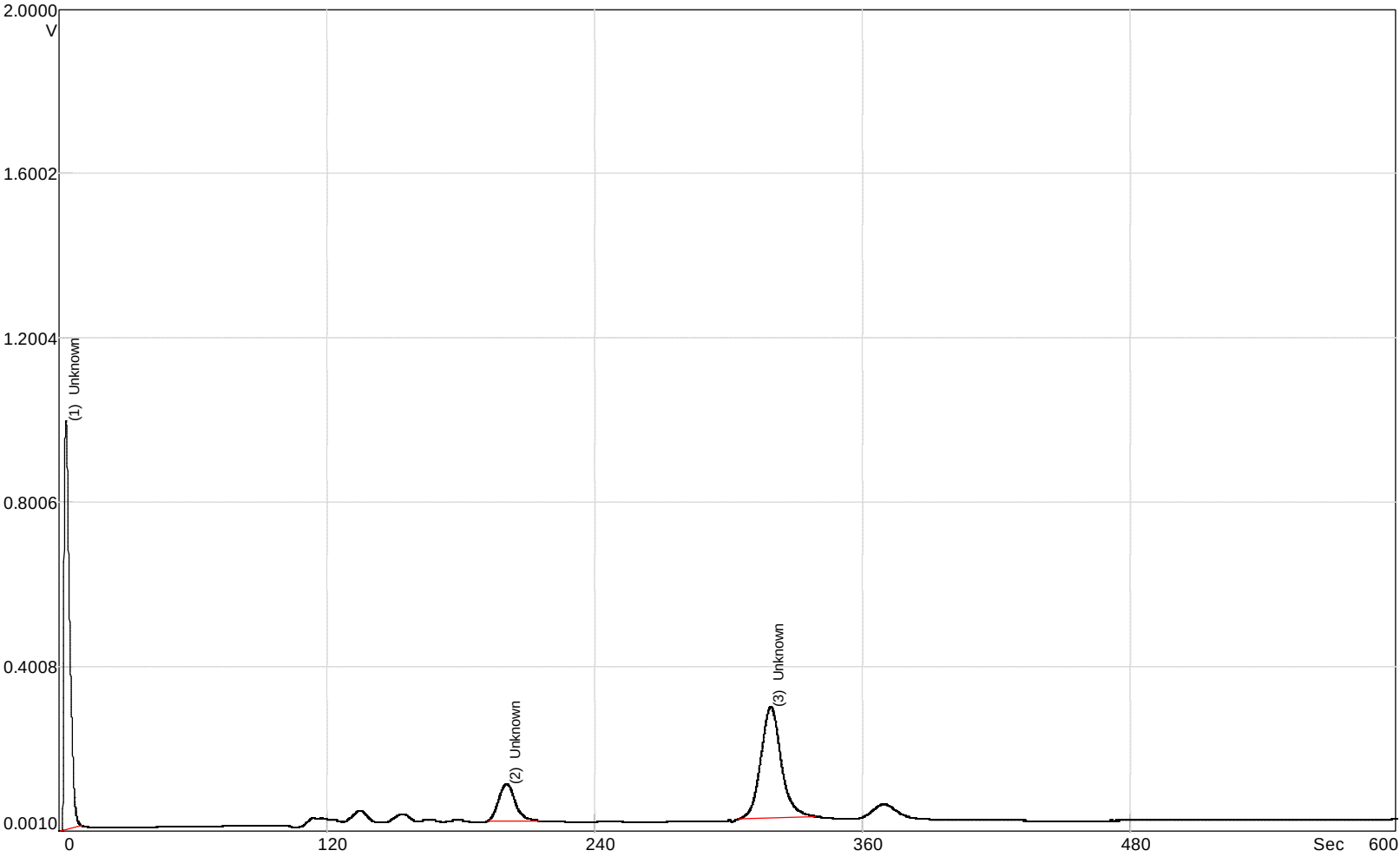
Automatic Integration

SlopeUp	20.9 mV/S
SlopeDown	62.6 mV/S
Min Height	5.5 mV
Min Area	0.0 mVS
FilterLevel	1
Delay	0 Sec

PEAK REPORT:

#	Name	Conc (PPM)	Area (mVS)	Height (mV)	R.T. (S)	Status
1	Unknown		26430	2495	3.3	
2	Unknown		27537	2070	366.3	

SiteChart Analysis Report - 2012.11.13 703B-20.PID



RESULTS:

Date	Nov 13, 2012
Time	16:26:49
Instrument	EVGP308
Detector	PID
Column	B
Analysis#	24
Tag	M12001
Column Temp	60.0 C
Det Temp	60.0 C
Ambient Temp	18.0 C

METHOD:

Analysis Time	600.0 S
PumpTime	10.0 S
Back Flush	300.0 S
Temperature	60.0 C
Pressure	10.0 psi
Inject	Syringe, 500.0 uL
PID State	High Sense

INTEGRATION METHOD:

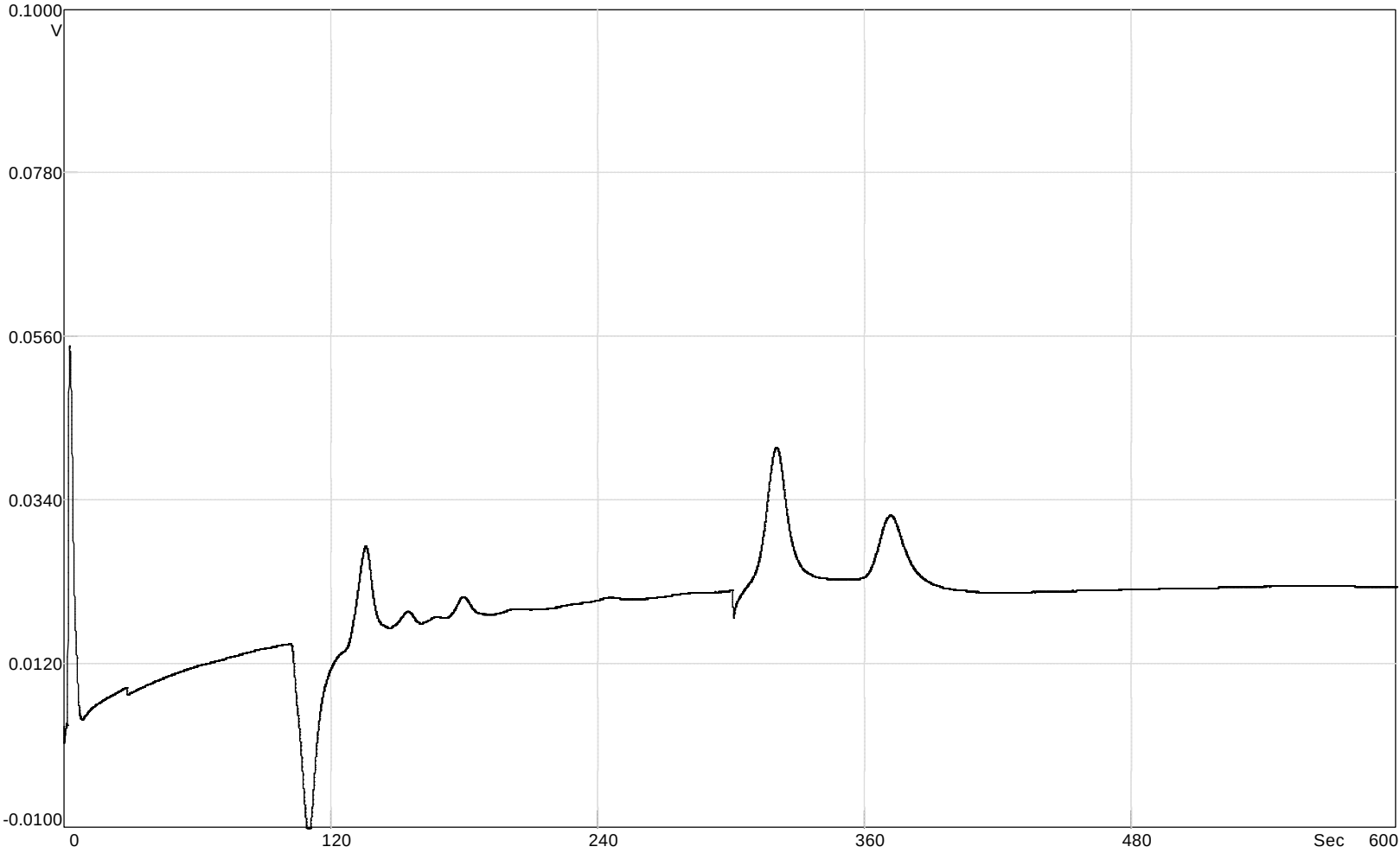
Automatic Integration

SlopeUp	16.6 mV/S
SlopeDown	49.9 mV/S
Min Height	4.2 mV
Min Area	0.0 mVS
FilterLevel	1
Delay	0 Sec

PEAK REPORT:

#	Name	Conc (PPM)	Area (mVS)	Height (mV)	R.T. (S)	Status
1	Unknown		2785	998	3.3	
2	Unknown		762	90.9	200.4	
3	Unknown		2875	276	318.7	

SiteChart Analysis Report - 2012.11.13 703B-22r2.PID



RESULTS:

Date	Nov 13, 2012
Time	15:58:11
Instrument	EVGP308
Detector	PID
Column	B
Analysis#	22
Tag	M12001
Column Temp	60.0 C
Det Temp	60.0 C
Ambient Temp	19.0 C

METHOD:

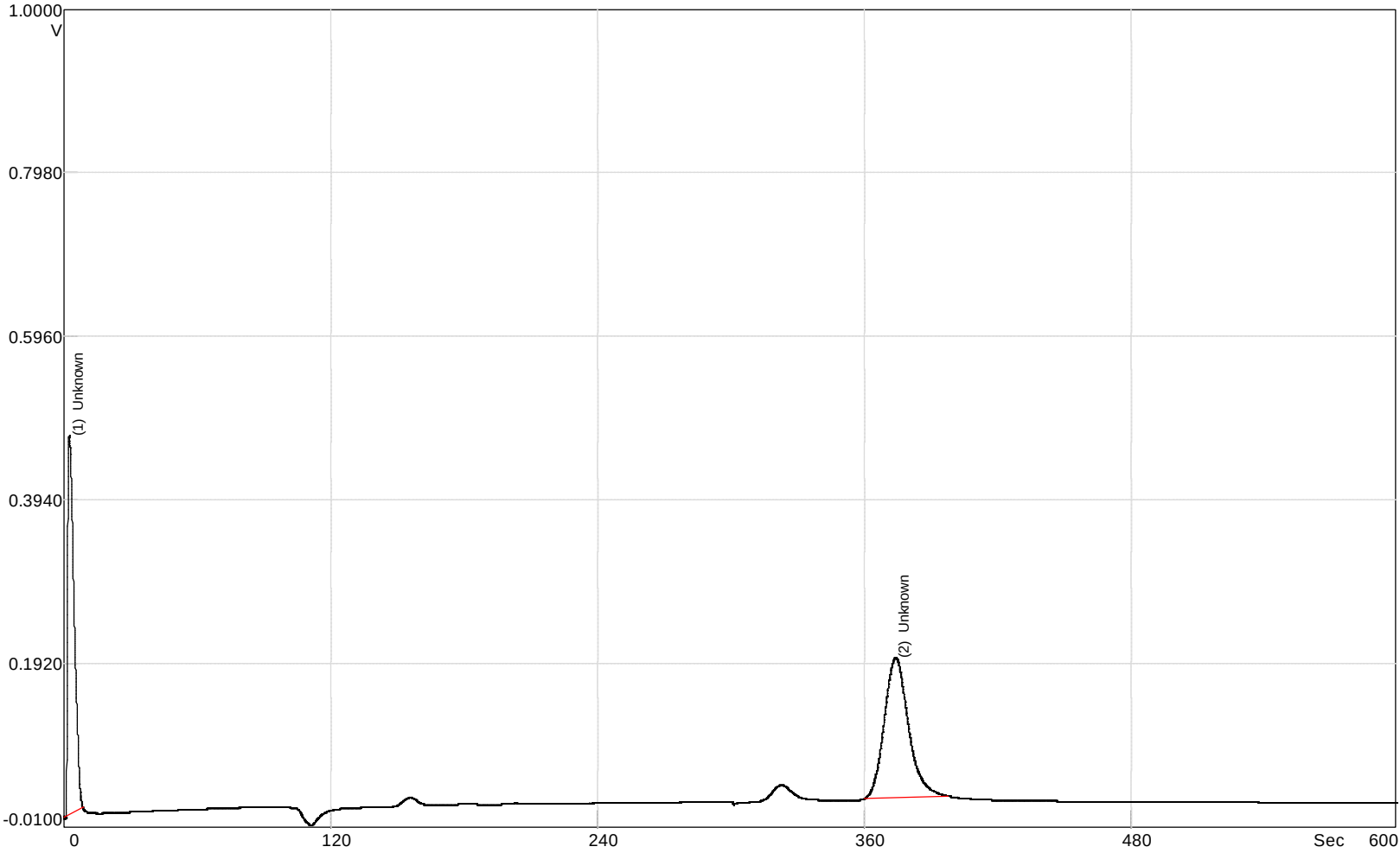
Analysis Time	600.0 S
PumpTime	10.0 S
Back Flush	300.0 S
Temperature	60.0 C
Pressure	10.0 psi
Inject	Syringe, 500.0 uL
PID State	High Sense

INTEGRATION METHOD:

Automatic Integration

SlopeUp	23.2 mV/S
SlopeDown	69.6 mV/S
Min Height	5.5 mV
Min Area	0.0 mVS
FilterLevel	1
Delay	0 Sec

SiteChart Analysis Report - 2012.11.13 703B-24r2.PID



RESULTS:

Date	Nov 13, 2012
Time	15:15:35
Instrument	EVGP308
Detector	PID
Column	B
Analysis#	19
Tag	M12001
Column Temp	60.0 C
Det Temp	60.0 C
Ambient Temp	19.0 C

METHOD:

Analysis Time	600.0 S
PumpTime	10.0 S
Back Flush	300.0 S
Temperature	60.0 C
Pressure	10.0 psi
Inject	Syringe, 500.0 uL
PID State	High Sense

INTEGRATION METHOD:

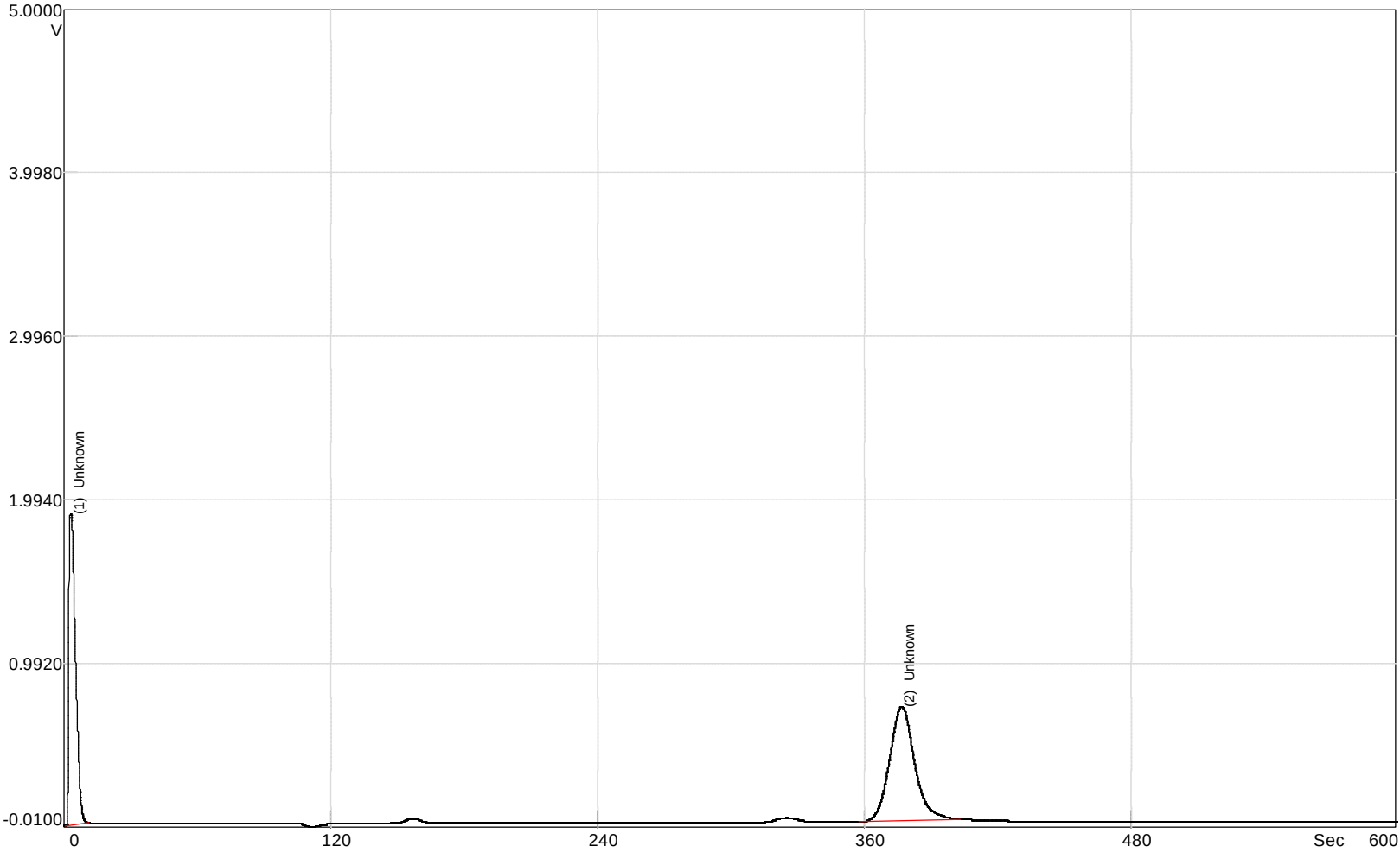
Automatic Integration

SlopeUp	24.0 mV/S
SlopeDown	72.1 mV/S
Min Height	5.8 mV
Min Area	0.0 mVS
FilterLevel	1
Delay	0 Sec

PEAK REPORT:

#	Name	Conc (PPM)	Area (mVS)	Height (mV)	R.T. (S)	Status
1	Unknown		1539	470	2.5	
2	Unknown		2163	175	373.7	

SiteChart Analysis Report - 2012.11.13 703B-26.PID



RESULTS:

Date	Nov 13, 2012
Time	14:33:26
Instrument	EVGP308
Detector	PID
Column	B
Analysis#	16
Tag	M12001
Column Temp	60.0 C
Det Temp	60.0 C
Ambient Temp	19.0 C

METHOD:

Analysis Time	600.0 S
PumpTime	10.0 S
Back Flush	300.0 S
Temperature	60.0 C
Pressure	10.0 psi
Inject	Syringe, 500.0 uL
PID State	High Sense

INTEGRATION METHOD:

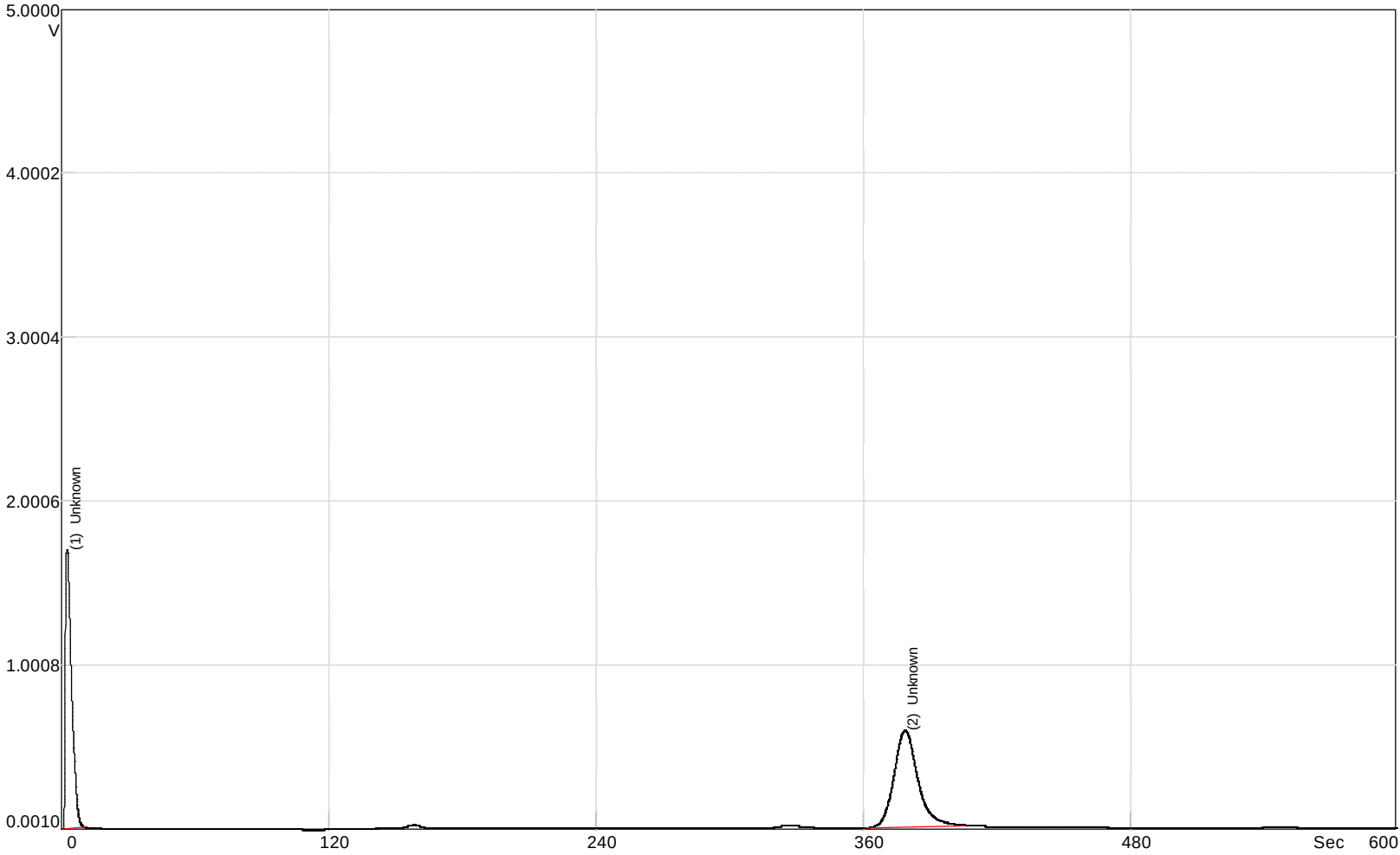
Automatic Integration

SlopeUp	24.6 mV/S
SlopeDown	73.7 mV/S
Min Height	5.9 mV
Min Area	0.0 mVS
FilterLevel	1
Delay	0 Sec

PEAK REPORT:

#	Name	Conc (PPM)	Area (mVS)	Height (mV)	R.T. (S)	Status
1	Unknown		6457	1908	3.2	
2	Unknown		9108	707	376.3	

SiteChart Analysis Report - 2012.11.13 703B-28.PID



RESULTS:

Date	Nov 13, 2012
Time	14:07:13
Instrument	EVGP308
Detector	PID
Column	B
Analysis#	14
Tag	M12001
Column Temp	60.0 C
Det Temp	60.0 C
Ambient Temp	19.0 C

METHOD:

Analysis Time	600.0 S
PumpTime	10.0 S
Back Flush	300.0 S
Temperature	60.0 C
Pressure	10.0 psi
Inject	Syringe, 500.0 uL
PID State	High Sense

INTEGRATION METHOD:

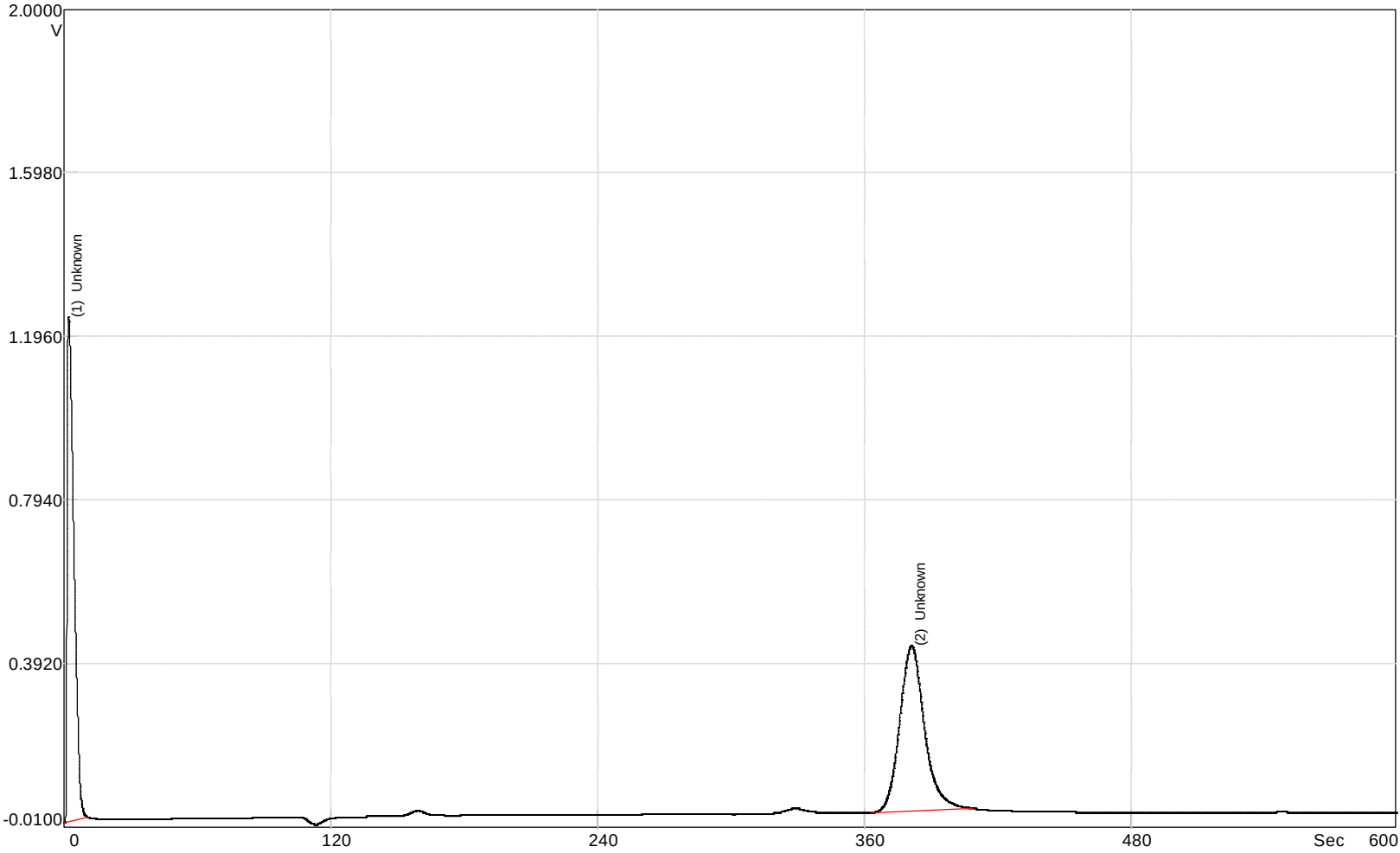
Automatic Integration

SlopeUp	19.7 mV/S
SlopeDown	59.2 mV/S
Min Height	3.9 mV
Min Area	0.0 mVS
FilterLevel	1
Delay	0 Sec

PEAK REPORT:

#	Name	Conc (PPM)	Area (mVS)	Height (mV)	R.T. (S)	Status
1	Unknown		5443	1706	2.6	
2	Unknown		7224	593	378.3	

SiteChart Analysis Report - 2012.11.13 703B-30.PID



RESULTS:

Date	Nov 13, 2012
Time	13:41:04
Instrument	EVGP308
Detector	PID
Column	B
Analysis#	11
Tag	M12001
Column Temp	59.0 C
Det Temp	59.0 C
Ambient Temp	19.0 C

METHOD:

Analysis Time	600.0 S
PumpTime	10.0 S
Back Flush	300.0 S
Temperature	60.0 C
Pressure	10.0 psi
Inject	Syringe, 500.0 uL
PID State	High Sense

INTEGRATION METHOD:

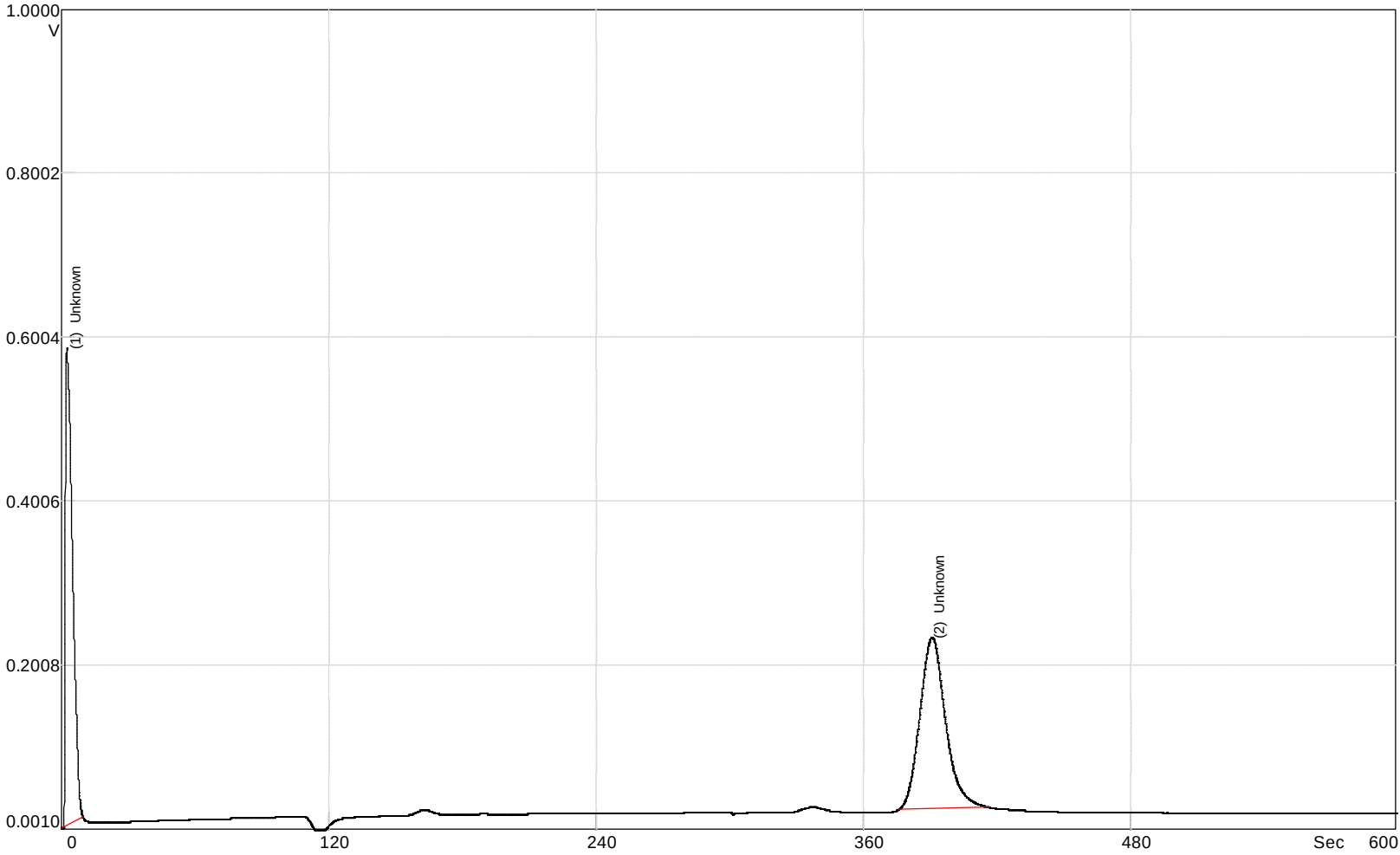
Automatic Integration

SlopeUp	11.3 mV/S
SlopeDown	33.8 mV/S
Min Height	2.8 mV
Min Area	0.0 mVS
FilterLevel	1
Delay	0 Sec

PEAK REPORT:

#	Name	Conc (PPM)	Area (mVS)	Height (mV)	R.T. (S)	Status
1	Unknown		4346	1243	2.2	
2	Unknown		5251	411	381.0	

SiteChart Analysis Report - 2012.11.13 703B-32.PID



RESULTS:

Date	Nov 13, 2012
Time	12:20:21
Instrument	EVGP308
Detector	PID
Column	B
Analysis#	9
Tag	M12001
Column Temp	60.0 C
Det Temp	60.0 C
Ambient Temp	19.0 C

METHOD:

Analysis Time	600.0 S
PumpTime	10.0 S
Back Flush	300.0 S
Temperature	60.0 C
Pressure	10.0 psi
Inject	Syringe, 500.0 uL
PID State	High Sense

INTEGRATION METHOD:

Automatic Integration

SlopeUp	20.8 mV/S
SlopeDown	62.4 mV/S
Min Height	4.3 mV
Min Area	0.0 mVS
FilterLevel	1
Delay	0 Sec

PEAK REPORT:

#	Name	Conc (PPM)	Area (mVS)	Height (mV)	R.T. (S)	Status
1	Unknown		2131	584	2.5	
2	Unknown		2766	211	390.3	

ATTACHMENT B: BORING LOGS

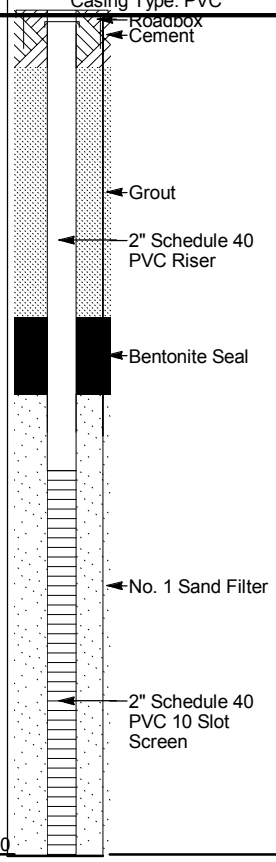
Woodard & Curran

BORING/WELL NO.: MW-703

PROJECT 15 Old Newtown Road - Danbury, CT
PROJECT NUMBER 97001.00 -
DATE STARTED 11/15/12 **COMPLETED** 11/15/12
SURFACE ELEVATION 289.99 ft amsl **DATUM** amsl -
CONTRACTOR ADT **DRILLER** Tim Sabo
NORTHING 710936.38 **EASTING** 814815.69 -
DRILLING METHOD Drive and Wash - 4 in. casing
WELL CASING: **INTERVAL** 0 ft. to 12 ft. -
SAMPLING METHOD No Samples Collected
TYPE PVC **DIAMETER** 2 in. -
GEOLOGIST/ENGINEER Scott Soricelli
WELL SCREEN: **INTERVAL** 12 ft. to 22 ft. -
WATER LEVEL 4.91 ft **DATE MEASURED** 11/16/2012
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 4 inch casing to 22 ft bgs. Wash casing to 22 ft bgs. -	
2	NS	No Samples Collected. -	
4	NS	See Boring SB-703 for Geologic Description. -	
6	NS		
8	NS		
10	NS		
12	NS		
14	NS		
16	NS		
18	NS		
20	NS		
22	NS	22.0 -	268.0

WELL DIAGRAM



Bottom of borehole at 22.0 feet.

Woodard & Curran

BORING/WELL NO.: SB-703

PROJECT 15 Old Newtown Road - Danbury, CT
PROJECT NUMBER 97001.00
DATE STARTED 11/12/12 **COMPLETED** 11/15/12
SURFACE ELEVATION 289.99 ft amsl **DATUM** amsl
CONTRACTOR ADT **DRILLER** Tim Sabo
NORTHING 710936.38 **EASTING** 814815.69
DRILLING METHOD Drive and Wash - 4 in. casing
WELL CASING: **INTERVAL** NA
SAMPLING METHOD Split Spoon and HQ Core
TYPE NA **DIAMETER** NA
GEOLOGIST/ENGINEER Scott Soricelli
WELL SCREEN: **INTERVAL** NA
WATER LEVEL NA **DATE MEASURED** 11/15/2012
TYPE NA **DIAMETER** NA **SIZE** NA

DEPTH (ft)	SAMPLE INTERVAL (ft)	BLOW COUNTS (N VALUE)	RECOVERY %	Feet BGS	PHYSICAL DESCRIPTION OF SOIL	PID (ppm)	DEPTH (ft)
0				0.3	Asphalt and Subbase		0
2	NS				Hand dug to 5.5 feet bgs Brown FMC SAND, some FM gravel		2
4							4
6	5.5-7.5	0-0-0-0 (0)	88	5.5	Dark gray, saturated, FMC SAND, some silt, trace F gravel, woody organic matter	0.0	6
8	9.5	0-1-1-2 (2)	100	9.5	Dark gray, saturated, FMC SAND, some silt, trace F gravel, woody organic matter Drive and Wash 4-in casing to 10 ft bgs	0.0	8
10	NS						10
12	10-12	5-2-1-14 (3)	25		Gray, saturated, FMC SAND, trace F gravel	0.0	12
14	12-14	11-9-12-13 (21)	25		Gray, saturated, FMC SAND, some F gravel Drive and Wash 4-in casing to 14 ft bgs	0.0	14
16	14-16	21-14-8-6 (22)	38		Gray, saturated, FMC SAND, some F gravel	0.0	16
18	16-18	7-5-11-10 (16)	50		Brown, saturated, FMC SAND, little F gravel, trace silt	0.0	18
20	18-20	6-10-3-1 (13)	100	20.0	Brown, saturated, FMC SAND, little F gravel, trace silt Drive and Wash 4-in casing to 20 ft bgs	0.0	20
22	20-22	2-4-5-5 (9)	63		Gray, saturated, F SAND Gray, saturated, SILT	0.0	22
24	22-24	3-3-3-4 (6)	75		Gray, saturated, SILT, trace F sand Drive and Wash 4-in casing to 24 ft bgs	0.0	24
26	24-26	3-3-3-3 (6)	75		Gray, saturated, F SAND, some silt, trace clay	0.0	26
28	26-28	4-5-6-6 (11)	100		Gray, saturated, F SAND, some silt, trace clay	0.0	28
30	28-30	3-4-6-15 (10)	100	30.0	Gray, saturated, F SAND, some silt, trace clay Gray, saturated, SILT, little FMC sand and F gravel	0.0	30
32	30-32	12-25-18-21 (43)	63		Drive and Wash 4-in casing to 30 ft bgs Gray, saturated, SILT	0.0	32
34	32-34	14-15-31-23 (46)	75	33.5	Gray, saturated, FMC SAND, dark gray rock fragments Gray, saturated, FMC SAND and SILT Gray, FMC SAND and GRAVEL	0.0	34
					Drive and Wash 4-in casing to 34 ft bgs		

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)

Woodard & Curran
1520 Highland Avenue
Cheshire, Connecticut 06040
Telephone: 203.271.0379
Fax: 203.271.7952

BORING/WELL NO.: SB-703

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	PID (ppm)	DEPTH (ft)
36	34-36	6-42-38-61 (80)	50		Gray rock fragments	0.0	36
	36-38	50/3"	0		Gray rock fragments		
38							38
					Run #1 - 38 ft bgs to 40.5 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 = 30 inches, Recovery = 6 inches, RQD = 0% - Lost 300 gallons to the formation, poor water return inside borehole. - Drive and Wash 4-in casing to 40 ft bgs		
40							40
42							42
					Run #2 - 40.5 ft bgs to 42.5 ft bgs Augen Gneiss Run Length = 24 inches, Recovery = 18 inches, RQD = 0%		
					Run #3 - 42.5 ft bgs to 43.5 ft bgs Augen Gneiss - Run Length = 12 inches, Recovery = 18 inches, RQD = 0% -		

Bottom of borehole at 43.5 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.

ATTACHMENT C: DRILL CUTTINGS WASTE CHARACTERIZATION

Project Name: RISDON
Project Number: 097001

Lab Number: L1221409
Report Date: 12/05/12

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1221409-01	DRUM COMPOSITE MW-703	DANBURY, CT	11/27/12 15:00

Project Name: RISDON
Project Number: 097001

Lab Number: L1221409
Report Date: 12/05/12

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:** L1221409
Project Number: 097001 **Report Date:** 12/05/12

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. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

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.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: RISDON **Lab Number:** L1221409
Project Number: 097001 **Report Date:** 12/05/12

Case Narrative (continued)

RCP Related Narratives

Volatile Organics

In reference to question 4:

The surrogate recovery for L1221409-01 is below the acceptance criteria for Dibromofluoromethane (42%), due to a known matrix effect caused by the high pH of the sample (>10).

Semivolatile Organics

L1221409-01 has elevated detection limits due to the dilution required by the sample matrix.

In reference to question 4:

The surrogate recoveries for L1221409-01 were outside the acceptance criteria for 2-Fluorophenol (13%) and 2,4,6-Tribromophenol (6%); however, re-extraction achieved similar results for 2-Fluorophenol (7%) and 2,4,6-Tribromophenol (5%). The results of both extractions are reported.

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: Lisa Westerlind

Title: Technical Director/Representative Date: 12/05/12

ORGANICS

VOLATILES

Project Name: RISDON **Lab Number:** L1221409

Project Number: 097001 **Report Date:** 12/05/12

SAMPLE RESULTS

Lab ID:	L1221409-01	Date Collected:	11/27/12 15:00
Client ID:	DRUM COMPOSITE MW-703	Date Received:	11/28/12
Sample Location:	DANBURY, CT	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	77,8260C		
Analytical Date:	11/29/12 17:35		
Analyst:	BN		
Percent Solids:	75%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics by 5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	8.4	--	1
1,1-Dichloroethane	ND		ug/kg	1.3	--	1
Chloroform	ND		ug/kg	1.3	--	1
Carbon tetrachloride	ND		ug/kg	0.84	--	1
1,2-Dichloropropane	ND		ug/kg	3.0	--	1
Dibromochloromethane	ND		ug/kg	0.84	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	--	1
Tetrachloroethene	ND		ug/kg	0.84	--	1
Chlorobenzene	ND		ug/kg	0.84	--	1
Trichlorofluoromethane	ND		ug/kg	4.2	--	1
1,2-Dichloroethane	ND		ug/kg	0.84	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.84	--	1
Bromodichloromethane	ND		ug/kg	0.84	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.84	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.84	--	1
1,1-Dichloropropene	ND		ug/kg	4.2	--	1
Bromoform	ND		ug/kg	3.4	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.84	--	1
Benzene	ND		ug/kg	0.84	--	1
Toluene	ND		ug/kg	1.3	--	1
Ethylbenzene	ND		ug/kg	0.84	--	1
Chloromethane	ND		ug/kg	4.2	--	1
Bromomethane	ND		ug/kg	1.7	--	1
Vinyl chloride	ND		ug/kg	1.7	--	1
Chloroethane	ND		ug/kg	1.7	--	1
1,1-Dichloroethene	ND		ug/kg	0.84	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	--	1
Trichloroethene	0.87		ug/kg	0.84	--	1
1,2-Dichlorobenzene	ND		ug/kg	4.2	--	1
1,3-Dichlorobenzene	ND		ug/kg	4.2	--	1
1,4-Dichlorobenzene	ND		ug/kg	4.2	--	1

Project Name: RISDON **Lab Number:** L1221409

Project Number: 097001 **Report Date:** 12/05/12

SAMPLE RESULTS

Lab ID: L1221409-01 Date Collected: 11/27/12 15:00

Client ID: DRUM COMPOSITE MW-703 Date Received: 11/28/12

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	1.7	--	1
p/m-Xylene	ND		ug/kg	1.7	--	1
o-Xylene	ND		ug/kg	1.7	--	1
XYLENE (TOTAL)	ND		ug/kg	1.7	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.84	--	1
Dibromomethane	ND		ug/kg	8.4	--	1
1,2,3-Trichloropropane	ND		ug/kg	8.4	--	1
Styrene	ND		ug/kg	1.7	--	1
Dichlorodifluoromethane	ND		ug/kg	8.4	--	1
Acetone	130		ug/kg	30	--	1
Carbon disulfide	ND		ug/kg	42	--	1
2-Butanone	12		ug/kg	8.4	--	1
4-Methyl-2-pentanone	ND		ug/kg	8.4	--	1
2-Hexanone	ND		ug/kg	8.4	--	1
Acrylonitrile	ND		ug/kg	3.4	--	1
Tetrahydrofuran	ND		ug/kg	17	--	1
2,2-Dichloropropane	ND		ug/kg	4.2	--	1
1,2-Dibromoethane	ND		ug/kg	3.4	--	1
1,3-Dichloropropane	ND		ug/kg	4.2	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.84	--	1
Bromobenzene	ND		ug/kg	4.2	--	1
n-Butylbenzene	ND		ug/kg	0.84	--	1
sec-Butylbenzene	ND		ug/kg	0.84	--	1
tert-Butylbenzene	ND		ug/kg	4.2	--	1
o-Chlorotoluene	ND		ug/kg	4.2	--	1
p-Chlorotoluene	ND		ug/kg	4.2	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.2	--	1
Hexachlorobutadiene	ND		ug/kg	4.2	--	1
Isopropylbenzene	ND		ug/kg	0.84	--	1
p-Isopropyltoluene	ND		ug/kg	0.84	--	1
Naphthalene	ND		ug/kg	4.2	--	1
n-Propylbenzene	ND		ug/kg	0.84	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.2	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.2	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.2	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.2	--	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.2	--	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	3.4	--	1

Project Name: RISDON **Lab Number:** L1221409

Project Number: 097001 **Report Date:** 12/05/12

SAMPLE RESULTS

Lab ID:	L1221409-01	Date Collected:	11/27/12 15:00
Client ID:	DRUM COMPOSITE MW-703	Date Received:	11/28/12
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	110		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	**42**	Q	70-130

Project Name: RISDON **Lab Number:** L1221409

Project Number: 097001 **Report Date:** 12/05/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8260C
Analytical Date: 11/29/12 08:38
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Volatile Organics by 5035 - Westborough Lab for sample(s): 01 Batch: WG576463-3					
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:** L1221409

Project Number: 097001 **Report Date:** 12/05/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8260C
Analytical Date: 11/29/12 08:38
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Volatile Organics by 5035 - Westborough Lab for sample(s): 01 Batch: WG576463-3					
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	2.0	--
XYLENE (TOTAL)	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	--

Project Name: RISDON
Project Number: 097001

Lab Number: L1221409
Report Date: 12/05/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8260C
Analytical Date: 11/29/12 08:38
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Volatile Organics by 5035 - Westborough Lab for sample(s): 01 Batch: WG576463-3					
n-Propylbenzene	ND		ug/kg	1.0	--
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	103		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON

Project Number: 097001

Lab Number:

Report Date:

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD
CT RCP Volatile Organics by 5035 - Westborough Lab Associated sample(s): 01 Batch: WG576463-1 WG576463-2						
Methylene chloride	111		111		70-130	0
1,1-Dichloroethane	106		110		70-130	4
Chloroform	105		109		70-130	4
Carbon tetrachloride	101		110		70-130	9
1,2-Dichloropropane	108		110		70-130	2
Dibromochloromethane	108		107		70-130	1
1,1,2-Trichloroethane	108		108		70-130	0
Tetrachloroethene	98		106		70-130	8
Chlorobenzene	104		106		70-130	2
Trichlorofluoromethane	117		130		70-130	11
1,2-Dichloroethane	112		110		70-130	2
1,1,1-Trichloroethane	100		109		70-130	9
Bromodichloromethane	108		108		70-130	0
trans-1,3-Dichloropropene	111		110		70-130	1
cis-1,3-Dichloropropene	112		112		70-130	0
1,1-Dichloropropene	102		111		70-130	8
Bromoform	107		106		70-130	1
1,1,2,2-Tetrachloroethane	109		106		70-130	3
Benzene	104		109		70-130	5
Toluene	100		105		70-130	5
Ethylbenzene	101		106		70-130	5

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON

Project Number: 097001

Lab Number:

Report Date:

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD
CT RCP Volatile Organics by 5035 - Westborough Lab Associated sample(s): 01 Batch: WG576463-1 WG576463-2						
Chloromethane	110		115		52-130	4
Bromomethane	122		130		57-147	6
Vinyl chloride	101		111		70-130	9
Chloroethane	109		118		70-130	8
1,1-Dichloroethene	102		112		70-130	9
trans-1,2-Dichloroethene	102		108		70-130	6
Trichloroethene	104		110		70-130	6
1,2-Dichlorobenzene	104		106		70-130	2
1,3-Dichlorobenzene	104		106		70-130	2
1,4-Dichlorobenzene	102		105		70-130	3
Methyl tert butyl ether	115		113		70-130	2
p/m-Xylene	104		108		70-130	4
o-Xylene	107		110		70-130	3
cis-1,2-Dichloroethene	106		110		70-130	4
Dibromomethane	114		111		70-130	3
1,2,3-Trichloropropane	109		108		70-130	1
Styrene	110		112		70-130	2
Dichlorodifluoromethane	118		131		30-146	10
Acetone	136		132		54-140	3
Carbon disulfide	99		108		59-130	9
2-Butanone	125		124		70-130	1

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 097001

Lab Number:
Report Date:

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD
CT RCP Volatile Organics by 5035 - Westborough Lab Associated sample(s): 01 Batch: WG576463-1 WG576463-2						
4-Methyl-2-pentanone	118		114		70-130	3
2-Hexanone	116		114		70-130	2
Acrylonitrile	121		122		70-130	1
Tetrahydrofuran	118		114		70-130	3
2,2-Dichloropropane	104		111		70-130	7
1,2-Dibromoethane	110		109		70-130	1
1,3-Dichloropropane	108		108		70-130	0
1,1,1,2-Tetrachloroethane	105		107		70-130	2
Bromobenzene	103		105		70-130	2
n-Butylbenzene	100		107		70-130	7
sec-Butylbenzene	98		106		70-130	8
tert-Butylbenzene	100		106		70-130	6
o-Chlorotoluene	99		103		70-130	4
p-Chlorotoluene	100		106		70-130	6
1,2-Dibromo-3-chloropropane	105		106		68-130	1
Hexachlorobutadiene	105		114		70-130	8
Isopropylbenzene	99		106		70-130	7
p-Isopropyltoluene	100		107		70-130	7
Naphthalene	110		109		70-130	1
n-Propylbenzene	98		105		70-130	7
1,2,3-Trichlorobenzene	116		118		70-130	2

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON

Project Number: 097001

Lab Number:

Report Date:

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD
CT RCP Volatile Organics by 5035 - Westborough Lab Associated sample(s): 01 Batch: WG576463-1 WG576463-2						
1,2,4-Trichlorobenzene	107		111		70-130	4
1,3,5-Trimethylbenzene	102		108		70-130	6
1,2,4-Trimethylbenzene	103		107		70-130	4
trans-1,4-Dichloro-2-butene	111		109		70-130	2
1,1,2-Trichloro-1,2,2-Trifluoroethane	110		121		70-130	10

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		97		70-130
Toluene-d8	98		99		70-130
4-Bromofluorobenzene	98		97		70-130
Dibromofluoromethane	101		100		70-130

SEMIVOLATILES

Project Name: RISDON **Lab Number:** L1221409

Project Number: 097001 **Report Date:** 12/05/12

SAMPLE RESULTS

Lab ID:	L1221409-01 RE	Date Collected:	11/27/12 15:00
Client ID:	DRUM COMPOSITE MW-703	Date Received:	11/28/12
Sample Location:	DANBURY, CT	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	77,8270D	Extraction Date:	12/03/12 19:52
Analytical Date:	12/04/12 15:23		
Analyst:	JB		
Percent Solids:	75%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	180	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	220	--	1
Hexachlorobenzene	ND		ug/kg	130	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	220	--	1
2-Chloronaphthalene	ND		ug/kg	220	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	--	1
2,4-Dinitrotoluene	ND		ug/kg	220	--	1
2,6-Dinitrotoluene	ND		ug/kg	220	--	1
Fluoranthene	1500		ug/kg	130	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	270	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	--	1
Hexachlorobutadiene	ND		ug/kg	220	--	1
Hexachloroethane	ND		ug/kg	180	--	1
Isophorone	ND		ug/kg	220	--	1
Naphthalene	ND		ug/kg	220	--	1
Nitrobenzene	ND		ug/kg	220	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	220	--	1
Butyl benzyl phthalate	ND		ug/kg	220	--	1
Di-n-butylphthalate	ND		ug/kg	220	--	1
Di-n-octylphthalate	ND		ug/kg	220	--	1
Diethyl phthalate	ND		ug/kg	220	--	1
Dimethyl phthalate	ND		ug/kg	220	--	1
Benzo(a)anthracene	770		ug/kg	130	--	1
Benzo(a)pyrene	890		ug/kg	180	--	1
Benzo(b)fluoranthene	940		ug/kg	130	--	1
Benzo(k)fluoranthene	400		ug/kg	130	--	1
Chrysene	790		ug/kg	130	--	1
Acenaphthylene	260		ug/kg	180	--	1
Anthracene	250		ug/kg	130	--	1
Benzo(ghi)perylene	470		ug/kg	180	--	1

Project Name: RISDON **Lab Number:** L1221409

Project Number: 097001 **Report Date:** 12/05/12

SAMPLE RESULTS

Lab ID: L1221409-01 RE Date Collected: 11/27/12 15:00

Client ID: DRUM COMPOSITE MW-703 Date Received: 11/28/12

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	220	--	1
Phenanthrene	510		ug/kg	130	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	--	1
Indeno(1,2,3-cd)Pyrene	420		ug/kg	180	--	1
Pyrene	1300		ug/kg	130	--	1
Aniline	ND		ug/kg	270	--	1
4-Chloroaniline	ND		ug/kg	220	--	1
Dibenzofuran	ND		ug/kg	220	--	1
2-Methylnaphthalene	ND		ug/kg	270	--	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	--	1
Pentachloronitrobenzene	ND		ug/kg	220	--	1
2,4,6-Trichlorophenol	ND		ug/kg	130	--	1
2-Chlorophenol	ND		ug/kg	220	--	1
2,4-Dichlorophenol	ND		ug/kg	220	--	1
2,4-Dimethylphenol	ND		ug/kg	220	--	1
2-Nitrophenol	ND		ug/kg	490	--	1
4-Nitrophenol	ND		ug/kg	310	--	1
2,4-Dinitrophenol	ND		ug/kg	1100	--	1
Pentachlorophenol	ND		ug/kg	180	--	1
Phenol	ND		ug/kg	220	--	1
2-Methylphenol	ND		ug/kg	220	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	310	--	1
2,4,5-Trichlorophenol	ND		ug/kg	220	--	1
Pyridine	ND		ug/kg	890	--	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	--	1
Hexachlorocyclopentadiene	ND		ug/kg	620	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	180	--	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	--	1
2-Nitroaniline	ND		ug/kg	220	--	1
3-Nitroaniline	ND		ug/kg	220	--	1
4-Nitroaniline	ND		ug/kg	220	--	1
P-Chloro-M-Cresol	ND		ug/kg	220	--	1
4,6-Dinitro-o-cresol	ND		ug/kg	580	--	1
Carbazole	ND		ug/kg	220	--	1

Project Name: RISDON **Lab Number:** L1221409

Project Number: 097001 **Report Date:** 12/05/12

SAMPLE RESULTS

Lab ID: L1221409-01 RE Date Collected: 11/27/12 15:00

Client ID: DRUM COMPOSITE MW-703 Date Received: 11/28/12

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	**7**	Q	30-130
Phenol-d6	36		30-130
Nitrobenzene-d5	49		30-130
2-Fluorobiphenyl	57		30-130
2,4,6-Tribromophenol	**5**	Q	30-130
4-Terphenyl-d14	73		30-130

Project Name: RISDON **Lab Number:** L1221409

Project Number: 097001 **Report Date:** 12/05/12

SAMPLE RESULTS

Lab ID:	L1221409-01 D	Date Collected:	11/27/12 15:00
Client ID:	DRUM COMPOSITE MW-703	Date Received:	11/28/12
Sample Location:	DANBURY, CT	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	77,8270D	Extraction Date:	11/28/12 21:15
Analytical Date:	12/03/12 15:56		
Analyst:	JB		
Percent Solids:	75%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	350	--	2
1,2,4-Trichlorobenzene	ND		ug/kg	440	--	2
Hexachlorobenzene	ND		ug/kg	260	--	2
Bis(2-chloroethyl)ether	ND		ug/kg	440	--	2
2-Chloronaphthalene	ND		ug/kg	440	--	2
3,3'-Dichlorobenzidine	ND		ug/kg	440	--	2
2,4-Dinitrotoluene	ND		ug/kg	440	--	2
2,6-Dinitrotoluene	ND		ug/kg	440	--	2
Fluoranthene	3400		ug/kg	260	--	2
4-Bromophenyl phenyl ether	ND		ug/kg	440	--	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	530	--	2
Bis(2-chloroethoxy)methane	ND		ug/kg	440	--	2
Hexachlorobutadiene	ND		ug/kg	440	--	2
Hexachloroethane	ND		ug/kg	350	--	2
Isophorone	ND		ug/kg	440	--	2
Naphthalene	ND		ug/kg	440	--	2
Nitrobenzene	ND		ug/kg	440	--	2
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	440	--	2
Butyl benzyl phthalate	ND		ug/kg	440	--	2
Di-n-butylphthalate	ND		ug/kg	440	--	2
Di-n-octylphthalate	ND		ug/kg	440	--	2
Diethyl phthalate	ND		ug/kg	440	--	2
Dimethyl phthalate	ND		ug/kg	440	--	2
Benzo(a)anthracene	1900		ug/kg	260	--	2
Benzo(a)pyrene	2000		ug/kg	350	--	2
Benzo(b)fluoranthene	2300		ug/kg	260	--	2
Benzo(k)fluoranthene	770		ug/kg	260	--	2
Chrysene	1800		ug/kg	260	--	2
Acenaphthylene	520		ug/kg	350	--	2
Anthracene	570		ug/kg	260	--	2
Benzo(ghi)perylene	1200		ug/kg	350	--	2

Project Name: RISDON **Lab Number:** L1221409

Project Number: 097001 **Report Date:** 12/05/12

SAMPLE RESULTS

Lab ID: L1221409-01 D Date Collected: 11/27/12 15:00

Client ID: DRUM COMPOSITE MW-703 Date Received: 11/28/12

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	440	--	2
Phenanthrene	1100		ug/kg	260	--	2
Dibenzo(a,h)anthracene	280		ug/kg	260	--	2
Indeno(1,2,3-cd)Pyrene	1000		ug/kg	350	--	2
Pyrene	3100		ug/kg	260	--	2
Aniline	ND		ug/kg	530	--	2
4-Chloroaniline	ND		ug/kg	440	--	2
Dibenzofuran	ND		ug/kg	440	--	2
2-Methylnaphthalene	ND		ug/kg	530	--	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	440	--	2
Pentachloronitrobenzene	ND		ug/kg	440	--	2
2,4,6-Trichlorophenol	ND		ug/kg	260	--	2
2-Chlorophenol	ND		ug/kg	440	--	2
2,4-Dichlorophenol	ND		ug/kg	440	--	2
2,4-Dimethylphenol	ND		ug/kg	440	--	2
2-Nitrophenol	ND		ug/kg	970	--	2
4-Nitrophenol	ND		ug/kg	620	--	2
2,4-Dinitrophenol	ND		ug/kg	2100	--	2
Pentachlorophenol	ND		ug/kg	350	--	2
Phenol	ND		ug/kg	440	--	2
2-Methylphenol	ND		ug/kg	440	--	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	620	--	2
2,4,5-Trichlorophenol	ND		ug/kg	440	--	2
Pyridine	ND		ug/kg	1800	--	2
4-Chlorophenyl phenyl ether	ND		ug/kg	440	--	2
Hexachlorocyclopentadiene	ND		ug/kg	1200	--	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	350	--	2
n-Nitrosodi-n-propylamine	ND		ug/kg	440	--	2
2-Nitroaniline	ND		ug/kg	440	--	2
3-Nitroaniline	ND		ug/kg	440	--	2
4-Nitroaniline	ND		ug/kg	440	--	2
P-Chloro-M-Cresol	ND		ug/kg	440	--	2
4,6-Dinitro-o-cresol	ND		ug/kg	1200	--	2
Carbazole	ND		ug/kg	440	--	2

Project Name: RISDON **Lab Number:** L1221409

Project Number: 097001 **Report Date:** 12/05/12

SAMPLE RESULTS

Lab ID: L1221409-01 D Date Collected: 11/27/12 15:00

Client ID: DRUM COMPOSITE MW-703 Date Received: 11/28/12

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	**13**	Q	30-130
Phenol-d6	48		30-130
Nitrobenzene-d5	63		30-130
2-Fluorobiphenyl	68		30-130
2,4,6-Tribromophenol	**6**	Q	30-130
4-Terphenyl-d14	85		30-130

Project Name: RISDON
Project Number: 097001

Lab Number: L1221409
Report Date: 12/05/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8270D
Analytical Date: 12/04/12 16:10
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 12/03/12 19:52

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Semivolatile Organics - Westborough Lab for sample(s): 01 Batch: WG577055-1					
Acenaphthene	ND		ug/kg	130	--
1,2,4-Trichlorobenzene	ND		ug/kg	170	--
Hexachlorobenzene	ND		ug/kg	100	--
Bis(2-chloroethyl)ether	ND		ug/kg	170	--
2-Chloronaphthalene	ND		ug/kg	170	--
3,3'-Dichlorobenzidine	ND		ug/kg	170	--
2,4-Dinitrotoluene	ND		ug/kg	170	--
2,6-Dinitrotoluene	ND		ug/kg	170	--
Fluoranthene	ND		ug/kg	100	--
4-Bromophenyl phenyl ether	ND		ug/kg	170	--
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	--
Bis(2-chloroethoxy)methane	ND		ug/kg	170	--
Hexachlorobutadiene	ND		ug/kg	170	--
Hexachloroethane	ND		ug/kg	130	--
Isophorone	ND		ug/kg	170	--
Naphthalene	ND		ug/kg	170	--
Nitrobenzene	ND		ug/kg	170	--
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	--
Butyl benzyl phthalate	ND		ug/kg	170	--
Di-n-butylphthalate	ND		ug/kg	170	--
Di-n-octylphthalate	ND		ug/kg	170	--
Diethyl phthalate	ND		ug/kg	170	--
Dimethyl phthalate	ND		ug/kg	170	--
Benzo(a)anthracene	ND		ug/kg	100	--
Benzo(a)pyrene	ND		ug/kg	130	--
Benzo(b)fluoranthene	ND		ug/kg	100	--
Benzo(k)fluoranthene	ND		ug/kg	100	--
Chrysene	ND		ug/kg	100	--
Acenaphthylene	ND		ug/kg	130	--
Anthracene	ND		ug/kg	100	--
Benzo(ghi)perylene	ND		ug/kg	130	--

Project Name: RISDON
Project Number: 097001

Lab Number: L1221409
Report Date: 12/05/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8270D
Analytical Date: 12/04/12 16:10
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 12/03/12 19:52

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Semivolatile Organics - Westborough Lab for sample(s): 01 Batch: WG577055-1					
Fluorene	ND		ug/kg	170	--
Phenanthrene	ND		ug/kg	100	--
Dibenzo(a,h)anthracene	ND		ug/kg	100	--
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	--
Pyrene	ND		ug/kg	100	--
Aniline	ND		ug/kg	200	--
4-Chloroaniline	ND		ug/kg	170	--
Dibenzofuran	ND		ug/kg	170	--
2-Methylnaphthalene	ND		ug/kg	200	--
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	--
Pentachloronitrobenzene	ND		ug/kg	170	--
2,4,6-Trichlorophenol	ND		ug/kg	100	--
2-Chlorophenol	ND		ug/kg	170	--
2,4-Dichlorophenol	ND		ug/kg	170	--
2,4-Dimethylphenol	ND		ug/kg	170	--
2-Nitrophenol	ND		ug/kg	360	--
4-Nitrophenol	ND		ug/kg	230	--
2,4-Dinitrophenol	ND		ug/kg	800	--
Pentachlorophenol	ND		ug/kg	130	--
Phenol	ND		ug/kg	170	--
2-Methylphenol	ND		ug/kg	170	--
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	--
2,4,5-Trichlorophenol	ND		ug/kg	170	--
Pyridine	ND		ug/kg	660	--
4-Chlorophenyl phenyl ether	ND		ug/kg	170	--
Hexachlorocyclopentadiene	ND		ug/kg	460	--
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	--
n-Nitrosodi-n-propylamine	ND		ug/kg	170	--
2-Nitroaniline	ND		ug/kg	170	--
3-Nitroaniline	ND		ug/kg	170	--
4-Nitroaniline	ND		ug/kg	170	--

Project Name: RISDON
Project Number: 097001

Lab Number: L1221409
Report Date: 12/05/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8270D
Analytical Date: 12/04/12 16:10
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 12/03/12 19:52

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Semivolatile Organics - Westborough Lab for sample(s): 01 Batch: WG577055-1					
P-Chloro-M-Cresol	ND		ug/kg	170	--
4,6-Dinitro-o-cresol	ND		ug/kg	430	--
Carbazole	ND		ug/kg	170	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	98		30-130
Phenol-d6	102		30-130
Nitrobenzene-d5	90		30-130
2-Fluorobiphenyl	89		30-130
2,4,6-Tribromophenol	84		30-130
4-Terphenyl-d14	91		30-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON

Project Number: 097001

Lab Number:

Report Date:

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD
CT RCP Semivolatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG577055-2 WG577055-3						
Acenaphthene	82		80		40-140	2
1,2,4-Trichlorobenzene	80		77		40-140	4
Hexachlorobenzene	88		87		40-140	1
Bis(2-chloroethyl)ether	82		81		40-140	1
2-Chloronaphthalene	91		90		40-140	1
3,3'-Dichlorobenzidine	40		45		40-140	12
2,4-Dinitrotoluene	92		89		40-140	3
2,6-Dinitrotoluene	106		104		40-140	2
Fluoranthene	93		90		40-140	3
4-Bromophenyl phenyl ether	93		91		40-140	2
Bis(2-chloroisopropyl)ether	80		79		40-140	1
Bis(2-chloroethoxy)methane	92		92		40-140	0
Hexachlorobutadiene	78		77		40-140	1
Hexachloroethane	78		80		40-140	3
Isophorone	102		101		40-140	1
Naphthalene	82		81		40-140	1
Nitrobenzene	82		81		40-140	1
Bis(2-Ethylhexyl)phthalate	92		89		40-140	3
Butyl benzyl phthalate	94		91		40-140	3
Di-n-butylphthalate	98		94		40-140	4
Di-n-octylphthalate	97		93		40-140	4

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON

Project Number: 097001

Lab Number:

Report Date:

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD
CT RCP Semivolatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG577055-2 WG577055-3						
Diethyl phthalate	94		91		40-140	3
Dimethyl phthalate	89		87		40-140	2
Benzo(a)anthracene	90		88		40-140	2
Benzo(a)pyrene	96		92		40-140	4
Benzo(b)fluoranthene	94		92		40-140	2
Benzo(k)fluoranthene	84		82		40-140	2
Chrysene	84		81		40-140	4
Acenaphthylene	97		97		40-140	0
Anthracene	91		89		40-140	2
Benzo(ghi)perylene	83		80		40-140	4
Fluorene	90		87		40-140	3
Phenanthrene	84		82		40-140	2
Dibenzo(a,h)anthracene	84		81		40-140	4
Indeno(1,2,3-cd)Pyrene	87		83		40-140	5
Pyrene	92		89		40-140	3
Aniline	**22**	Q	**28**	Q	40-140	24
4-Chloroaniline	**25**	Q	**32**	Q	40-140	25
Dibenzofuran	85		83		40-140	2
2-Methylnaphthalene	89		88		40-140	1
1,2,4,5-Tetrachlorobenzene	80		78		40-140	3
Pentachloronitrobenzene	117		112		40-140	4

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON

Project Number: 097001

Lab Number:

Report Date:

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD
CT RCP Semivolatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG577055-2 WG577055-3						
2,4,6-Trichlorophenol	99		98		30-130	1
2-Chlorophenol	95		94		30-130	1
2,4-Dichlorophenol	97		94		30-130	3
2,4-Dimethylphenol	103		104		30-130	1
2-Nitrophenol	101		103		30-130	2
4-Nitrophenol	94		91		30-130	3
2,4-Dinitrophenol	71		68		30-130	4
Pentachlorophenol	76		73		30-130	4
Phenol	95		96		30-130	1
2-Methylphenol	99		100		30-130	1
3-Methylphenol/4-Methylphenol	104		102		30-130	2
2,4,5-Trichlorophenol	104		101		30-130	3
Pyridine	69		69		40-140	0
4-Chlorophenyl phenyl ether	87		85		40-140	2
Hexachlorocyclopentadiene	70		66		40-140	6
NitrosoDiPhenylAmine(NDPA)/DPA	95		93		40-140	2
n-Nitrosodi-n-propylamine	93		92		40-140	1
2-Nitroaniline	98		98		40-140	0
3-Nitroaniline	41		50		40-140	20
4-Nitroaniline	87		86		40-140	1
P-Chloro-M-Cresol	102		101		30-130	1

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON

Project Number: 097001

Lab Number:

Report Date:

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD
CT RCP Semivolatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG577055-2 WG577055-3						
4,6-Dinitro-o-cresol	89		86		30-130	3
Carbazole	90		87		40-140	3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	98		92		30-130
Phenol-d6	106		100		30-130
Nitrobenzene-d5	93		90		30-130
2-Fluorobiphenyl	92		87		30-130
2,4,6-Tribromophenol	96		87		30-130
4-Terphenyl-d14	91		85		30-130

PETROLEUM HYDROCARBONS

Project Name: RISDON **Lab Number:** L1221409

Project Number: 097001 **Report Date:** 12/05/12

SAMPLE RESULTS

Lab ID:	L1221409-01 D	Date Collected:	11/27/12 15:00
Client ID:	DRUM COMPOSITE MW-703	Date Received:	11/28/12
Sample Location:	DANBURY, CT	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	11/28/12 20:33
Analytical Date:	11/30/12 23:24		
Analyst:	AR		
Percent Solids:	75%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	456000		ug/kg	84400	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	88		40-140

Project Name: RISDON
Project Number: 097001

Lab Number: L1221409
Report Date: 12/05/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 11/29/12 09:45
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 11/28/12 20:05

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01 Batch: WG576195-1					
TPH	ND		ug/kg	32800	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	92		40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON

Project Number: 097001

Lab Number:

Report Date:

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01 Batch: WG576195-2						
TPH	98		-		40-140	-

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	98				40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 097001

Lab Number:
Report Date:

Parameter	Native Sample	Duplicate Sample	Units	RPD
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01 QC Batch ID: WG576195-3 QC Sample: L1221411-0 Sample				
TPH	301000	520000	ug/kg	**53**

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	73		84		40-140

PCBS

Project Name: RISDON
Project Number: 097001
Lab Number: L1221409
Report Date: 12/05/12

SAMPLE RESULTS

Lab ID:	L1221409-01	Date Collected:	11/27/12 15:00
Client ID:	DRUM COMPOSITE MW-703	Date Received:	11/28/12
Sample Location:	DANBURY, CT	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	77,8082A	Extraction Date:	11/28/12 21:01
Analytical Date:	11/29/12 19:47	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	11/29/12
Percent Solids:	75%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	11/29/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Polychlorinated Biphenyls - Westborough Lab						
Aroclor 1016	ND		ug/kg	43.1	--	1
Aroclor 1221	ND		ug/kg	43.1	--	1
Aroclor 1232	ND		ug/kg	43.1	--	1
Aroclor 1242	ND		ug/kg	43.1	--	1
Aroclor 1248	ND		ug/kg	43.1	--	1
Aroclor 1254	ND		ug/kg	43.1	--	1
Aroclor 1260	ND		ug/kg	43.1	--	1
Aroclor 1262	ND		ug/kg	43.1	--	1
Aroclor 1268	ND		ug/kg	43.1	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	63		30-150
Decachlorobiphenyl	54		30-150
2,4,5,6-Tetrachloro-m-xylene	61		30-150
Decachlorobiphenyl	76		30-150

Project Name: RISDON

Project Number: 097001

Lab Number: L1221409

Report Date: 12/05/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8082A
Analytical Date: 11/29/12 20:03
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 11/28/12 21:01
Cleanup Method1: EPA 3665A
Cleanup Date1: 11/29/12
Cleanup Method2: EPA 3660B
Cleanup Date2: 11/29/12

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01 Batch: WG576207-1					
Aroclor 1016	ND		ug/kg	32.9	--
Aroclor 1221	ND		ug/kg	32.9	--
Aroclor 1232	ND		ug/kg	32.9	--
Aroclor 1242	ND		ug/kg	32.9	--
Aroclor 1248	ND		ug/kg	32.9	--
Aroclor 1254	ND		ug/kg	32.9	--
Aroclor 1260	ND		ug/kg	32.9	--
Aroclor 1262	ND		ug/kg	32.9	--
Aroclor 1268	ND		ug/kg	32.9	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	79		30-150
Decachlorobiphenyl	70		30-150
2,4,5,6-Tetrachloro-m-xylene	81		30-150
Decachlorobiphenyl	75		30-150

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON

Project Number: 097001

Lab Number:

Report Date:

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD
CT RCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01 Batch: WG576207-2 WG576207-3						
Aroclor 1016	99		56		40-140	**55**
Aroclor 1260	97		52		40-140	**60**

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	103		57		30-150
Decachlorobiphenyl	101		57		30-150
2,4,5,6-Tetrachloro-m-xylene	107		56		30-150
Decachlorobiphenyl	107		57		30-150

METALS

Project Name: RISDON
Project Number: 097001
Lab Number: L1221409
Report Date: 12/05/12

SAMPLE RESULTS

Lab ID: L1221409-01
Client ID: DRUM COMPOSITE MW-703
Sample Location: DANBURY, CT
Matrix: Soil
Percent Solids: 75%

Date Collected: 11/27/12 15:00
Date Received: 11/28/12
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 11/29/12 15:32

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	11/30/12 11:39	11/30/12 20:58	EPA 3015	77,6010C	MG
Barium, TCLP	ND		mg/l	0.50	--	1	11/30/12 11:39	11/30/12 20:58	EPA 3015	77,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	--	1	11/30/12 11:39	11/30/12 20:58	EPA 3015	77,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	--	1	11/30/12 11:39	11/30/12 20:58	EPA 3015	77,6010C	MG
Lead, TCLP	ND		mg/l	0.50	--	1	11/30/12 11:39	11/30/12 20:58	EPA 3015	77,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	--	1	12/04/12 16:10	12/04/12 20:55	EPA 7470A	77,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	--	1	11/30/12 11:39	11/30/12 20:58	EPA 3015	77,6010C	MG
Silver, TCLP	ND		mg/l	0.10	--	1	11/30/12 11:39	11/30/12 20:58	EPA 3015	77,6010C	MG

Project Name: RISDON
Project Number: 097001
Lab Number: L1221409
Report Date: 12/05/12

SAMPLE RESULTS

Lab ID: L1221409-01
Client ID: DRUM COMPOSITE MW-703
Sample Location: DANBURY, CT
Matrix: Soil
Percent Solids: 75%

Date Collected: 11/27/12 15:00
Date Received: 11/28/12
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	3.6		mg/kg	0.50	--	1	11/30/12 10:16	11/30/12 21:47	EPA 3050B	77,6010C	MG
Barium, Total	270		mg/kg	0.50	--	1	11/30/12 10:16	11/30/12 21:47	EPA 3050B	77,6010C	MG
Cadmium, Total	0.59		mg/kg	0.50	--	1	11/30/12 10:16	11/30/12 21:47	EPA 3050B	77,6010C	MG
Chromium, Total	56		mg/kg	0.50	--	1	11/30/12 10:16	11/30/12 21:47	EPA 3050B	77,6010C	MG
Lead, Total	62		mg/kg	2.5	--	1	11/30/12 10:16	11/30/12 21:47	EPA 3050B	77,6010C	MG
Mercury, Total	17		mg/kg	1.3	--	12	12/03/12 17:37	12/04/12 15:42	EPA 7471B	77,7471B	MC
Selenium, Total	ND		mg/kg	2.5	--	1	11/30/12 10:16	11/30/12 21:47	EPA 3050B	77,6010C	MG
Silver, Total	ND		mg/kg	0.50	--	1	11/30/12 10:16	11/30/12 21:47	EPA 3050B	77,6010C	MG

Project Name: RISDON **Lab Number:** L1221409

Project Number: 097001 **Report Date:** 12/05/12

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: WG576587-1										
Arsenic, Total	ND		mg/kg	0.40	--	1	11/30/12 10:16	11/30/12 21:35	77,6010C	MG
Barium, Total	ND		mg/kg	0.40	--	1	11/30/12 10:16	11/30/12 21:35	77,6010C	MG
Cadmium, Total	ND		mg/kg	0.40	--	1	11/30/12 10:16	11/30/12 21:35	77,6010C	MG
Chromium, Total	ND		mg/kg	0.40	--	1	11/30/12 10:16	11/30/12 21:35	77,6010C	MG
Lead, Total	ND		mg/kg	2.0	--	1	11/30/12 10:16	11/30/12 21:35	77,6010C	MG
Selenium, Total	ND		mg/kg	2.0	--	1	11/30/12 10:16	11/30/12 21:35	77,6010C	MG
Silver, Total	ND		mg/kg	0.40	--	1	11/30/12 10:16	11/30/12 21:35	77,6010C	MG

Prep Information

Digestion Method: EPA 3050B

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: WG576589-1										
Arsenic, TCLP	ND		mg/l	1.0	--	1	11/30/12 11:39	11/30/12 20:51	77,6010C	MG
Barium, TCLP	ND		mg/l	0.50	--	1	11/30/12 11:39	11/30/12 20:51	77,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	--	1	11/30/12 11:39	11/30/12 20:51	77,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	--	1	11/30/12 11:39	11/30/12 20:51	77,6010C	MG
Lead, TCLP	ND		mg/l	0.50	--	1	11/30/12 11:39	11/30/12 20:51	77,6010C	MG
Selenium, TCLP	ND		mg/l	0.50	--	1	11/30/12 11:39	11/30/12 20:51	77,6010C	MG
Silver, TCLP	ND		mg/l	0.10	--	1	11/30/12 11:39	11/30/12 20:51	77,6010C	MG

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 11/29/12 15:32

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: WG576974-1										
Mercury, Total	ND		mg/kg	0.08	--	1	12/03/12 17:37	12/04/12 15:27	77,7471B	MC

Project Name: RISDON **Lab Number:** L1221409

Project Number: 097001 **Report Date:** 12/05/12

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

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: WG577238-1										
Mercury, TCLP	ND		mg/l	0.0010	--	1	12/04/12 16:10	12/04/12 20:51	77,7470A	JH

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 11/29/12 15:32

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 097001

Lab Number:
Report Date:

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual
CT RCP Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG576587-2							
Arsenic, Total	102		-		75-125	-	
Barium, Total	101		-		75-125	-	
Cadmium, Total	100		-		75-125	-	
Chromium, Total	94		-		75-125	-	
Lead, Total	95		-		75-125	-	
Selenium, Total	97		-		75-125	-	
Silver, Total	104		-		75-125	-	
CT RCP TCLP Metals - Westborough Lab Associated sample(s): 01 Batch: WG576589-2							
Arsenic, TCLP	92		-		80-120	-	
Barium, TCLP	90		-		80-120	-	
Cadmium, TCLP	92		-		80-120	-	
Chromium, TCLP	85		-		80-120	-	
Lead, TCLP	88		-		80-120	-	
Selenium, TCLP	92		-		80-120	-	
Silver, TCLP	92		-		80-120	-	
CT RCP Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG576974-2 SRM Lot Number: 0518-10-02							
Mercury, Total	102		-		75-125	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON

Project Number: 097001

Lab Number:

Report Date:

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD
CT RCP TCLP Metals - Westborough Lab Associated sample(s): 01 Batch: WG577238-2				
Mercury, TCLP	102	-	80-120	-

INORGANICS
&
MISCELLANEOUS

Project Name:	RISDON	**Lab Number:**	L1221409
Project Number:	097001	**Report Date:**	12/05/12

SAMPLE RESULTS

Lab ID:	L1221409-01	Date Collected:	11/27/12 15:00
Client ID:	DRUM COMPOSITE MW-703	Date Received:	11/28/12
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:	Fine
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	11/30/12 14:45	1,1030	DM

Project Name: RISDON
Project Number: 097001

Lab Number: L1221409
Report Date: 12/05/12

SAMPLE RESULTS

Lab ID: L1221409-01
Client ID: DRUM COMPOSITE MW-703
Sample Location: DANBURY, CT
Matrix: Soil

Date Collected: 11/27/12 15:00
Date Received: 11/28/12
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	480		umhos/cm	10	--	1	-	11/29/12 00:37	1,9050A	EL
Solids, Total	75		%	0.10	NA	1	-	11/29/12 11:28	30,2540G	SD
pH	11.1		SU	-	NA	1	-	11/28/12 21:49	1,9045C	EL
Cyanide, Reactive	ND		mg/kg	10	--	1	11/30/12 19:10	11/30/12 20:47	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	--	1	11/30/12 19:10	11/30/12 20:52	1,7.3	TL

Project Name: RISDON **Lab Number:** L1221409

Project Number: 097001 **Report Date:** 12/05/12

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: WG576712-1										
Cyanide, Reactive	ND		mg/kg	10	--	1	11/30/12 19:10	11/30/12 20:46	1,7.3	TL
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG576713-1										
Sulfide, Reactive	ND		mg/kg	10	--	1	11/30/12 19:10	11/30/12 20:52	1,7.3	TL

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 097001

Lab Number:
Report Date:

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG576217-1							
pH	100		-		99-101	-	
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG576233-1							
Specific Conductance	94		-		80-120	-	
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG576712-2							
Cyanide, Reactive	39		-		30-125	-	
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG576713-2							
Sulfide, Reactive	112		-		60-125	-	

Lab Duplicate Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 097001

Lab Number:
Report Date:

Parameter	Native Sample	Duplicate Sample	Units	RPD
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG576217-2 QC Sample: L1221483-02 Client ID:				
pH	7.8	7.9	SU	1
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG576233-2 QC Sample: L1221258-01 Client ID:				
Specific Conductance	68	71	umhos/cm	4
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG576354-1 QC Sample: L1221407-02 Client ID:				
Solids, Total	96	96	%	0
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG576712-3 QC Sample: L1221589-05 Client ID:				
Cyanide, Reactive	ND	ND	mg/kg	NC
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG576713-3 QC Sample: L1221589-05 Client ID:				
Sulfide, Reactive	ND	ND	mg/kg	NC

Project Name: RISDON
Project Number: 097001

Lab Number: L1221409
Report Date: 12/05/12

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 11/29/2012 00:38

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1221409-01A	Vial MeOH preserved	A	N/A	3.4	Y	Absent	CT-8260HLW(14)
L1221409-01B	Vial water preserved	A	N/A	3.4	Y	Absent	CT-8260HLW(14)
L1221409-01C	Vial water preserved	A	N/A	3.4	Y	Absent	CT-8260HLW(14)
L1221409-01D	Amber 250ml unpreserved	A	N/A	3.4	Y	Absent	CT-8082(14),CT-AG-6010T(180),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-8270(14),CT-BA-6010T(180),CT-CR-6010T(180),REACTCN(14),TPH-DRO-D(14),COND-9050(28),CT-CD-6010T(180)
L1221409-01E	Amber 250ml unpreserved	A	N/A	3.4	Y	Absent	CT-8082(14),CT-AG-6010T(180),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-8270(14),CT-BA-6010T(180),CT-CR-6010T(180),REACTCN(14),TPH-DRO-D(14),COND-9050(28),CT-CD-6010T(180)
L1221409-01F	Amber 250ml unpreserved	A	N/A	3.4	Y	Absent	CT-8082(14),CT-AG-6010T(180),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-8270(14),CT-BA-6010T(180),CT-CR-6010T(180),REACTCN(14),TPH-DRO-D(14),COND-9050(28),CT-CD-6010T(180)

*Values in parentheses indicate holding time in days

Project Name: RISDON
Project Number: 097001

Lab Number: L1221409
Report Date: 12/05/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1221409-01X	Plastic 250ml HNO3 preserved spl	A	N/A	3.4	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)

Container Comments

L1221409-01E

L1221409-01X

*Values in parentheses indicate holding time in days

Project Name: RISDON **Lab Number:** L1221409
Project Number: 097001 **Report Date:** 12/05/12

GLOSSARY

Acronyms

EDL - Estimated 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 EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

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. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

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

Report Format: Data Usability Report

Project Name: RISDON **Lab Number:** L1221409

Project Number: 097001 **Report Date:** 12/05/12

Data Qualifiers

due to obvious interference.

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

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

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. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. 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 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:** L1221409
Project Number: 097001 **Report Date:** 12/05/12

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 August 16, 2012 - 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, Nickel, Selenium, Silver, Sodium, Thallium, 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) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

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, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

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, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

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, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223D, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8082, 8330, 8151A, 8260B, 8270C, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014A, 9030B, 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, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, 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, 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, SW-846 6010B, 6010C, 6020, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9030B, 9040B, 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, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260B, 8270C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082, 8082A, 8081A, 8081B, 8151A, 8330, 8270C-SIM, 8270D-SIM.)

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

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, 245.1, 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, 2340B, SM4500F-BC, EPA 200.7, 200.8, 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, 2540G, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9014, 9012A, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 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, 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, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

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

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7471A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, 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 (Inorganic Parameters: 200.7, 200.8, 245.2, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 3501., 350.2, 353.2, 420.1, 6010B, 6010C, 6020, 6020A, 7196A, 7470A, 9010B, 9030B, 9040B, Lachat 10-107-06-2-D, NJ-EPH, 2120B, 2310B, 2320B, 2340B, 2510C, 2540B, 2540C, 3500Cr-D, 436C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081A, 8081B, 8082, 8082A, 8151A, 8260B, 8270C, 8270D, 8330, 8015B,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010B, 6010C, 6020A, 7196A, 7471A, 7471B, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3630C, 5035, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
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, 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.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 2..08, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5035, 3540C, 3546, 3550, 3580, 3630C, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B 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, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 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. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

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CHAIN OF CUSTODY

PAGE 1 of 1

Date Rec'd in Lab: 11-28-12

ALPHA Job #: L1221409

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 Drive Suite 180, Andover MA, 01810
Phone: 978-557-8150
Fax: 978-557-7948
Email: CRochwell@woodardcurran.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: RISPON
Project Location: Danbury CT
Project #: 097001
Project Manager: Catharine Rochwell
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only if confirmed if pre-approved)
Date Due: 12-5-12 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 | Criteria: See Attached

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)

See Attached for test Methods

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	Total Metals	TCLP Metals	Total Petroleum	Total PCB's	VOCs	SVOCs	Flashpoint, pH	Reactive Cyanide	Reactive Sulfide	Spe Conductivity			Sample Specific Comments	TOTAL # BOTTLES
21409-01	Drum Composite MW703	11/27/12	0500	SOIL	GSL	X	X	X	X	X	X	X	X	XX				for parameter 6 test method please see attached table	
																		(3) 8oz jars, As-Is	
																		(2) D.I. VOAs, (1) Meth VOA	

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	11/28/12 1750	[signature]	11/28/12 1140
[signature]		[signature]	11-28/2 17:50

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:12051214:58

TABLE 6-2b: GROUNDWATER CONTAMINANTS OF CONCERN - INORGANICS

Analytes	CAS Number	USEPA Analytical Method	Proposed Screening Level[1] (µg/L)	Laboratory IDL (µg/l)	Laboratory QL (µg/l)
Antimony	7440-36-0	6010B	86,000	25	50
Arsenic	7440-38-2	6020A	4	0.25	0.5
Beryllium	7440-41-7	6020A	4	3	5
Cadmium	7440-43-9	6010B	6	3	5
Chromium[2]	7440-47-3	6010B	--	5	10
Hexavalent Chromium	18540-29-9	7196A	110	5	10
Trivalent Chromium		--	1,200	NA - calculation	10
Copper	7440-50-8	6010B	48	5	10
Cyanide, amenable	57-12-5	9014	--	NA - calculation	10
Cyanide, total	57-12-5	9014	52	2.5	5
Lead	7439-92-1	6010B	13	5	10
Mercury	7439-97-6	7470A	0.4	0.1	0.2
Nickel	7440-02-0	6010B	880	13	25
Selenium	7782-49-2	6010B	50	5	10
Silver	7440-22-4	6010B	12	4	7
Thallium	7440-28-0	6010B	63	10	20
Zinc	7440-66-6	6010B	123	25	50

Notes:

1. The proposed screening levels are based on the Surface Water Protection Criteria (SWPC) of CTDEP Remediation Standard Regulations.
2. Screening levels for Chromium are based on the SWPC for Hexavalent and Trivalent Chromium. A value for Trivalent Chromium is developed by subtracting Hexavalent Chromium from the total Chromium result

IDL = Instrument Detection Limit

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

NA = Not applicable

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

ATTACHMENT D: GROUNDWATER ANALYTICAL REPORTS, DATA VALIDATION SUMMARY, AND QA/ QC EVALUATION

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 September 17 and November 27, 2012 off-property groundwater sampling event are presented in the following subsections.

In summary, the data usability assessments indicate that the reported results are suitable for their intended use, with the stated qualifiers.

1.1 SEPTEMBER 2012 SAMPLING EVENT

1.1.1 Field Quality Control Assessment

A review of the applicable field quality control elements was performed for the groundwater samples collected on September 17, 2012 as part of the annual 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°C. The samples were extracted (i.e., VOCs), digested (i.e., total metals, total cyanide), and analyzed within the allowable holding times.

No VOC, total priority pollutant 13 metals, or total cyanide field duplicates were collected as part of this sampling event. Two equipment blanks (MW-90 and MW-91) were collected after field equipment decontamination to assess the adequacy of that procedure. Refer to the January 2013 *Semi-Annual Remedy Operation and Post Closure Status Report On-Property Conditions* for details pertaining to the positive results calculated for the equipment blank, relative percent difference (RPD) values and the applicable qualifications. Off-property samples were submitted to the laboratory under separate chains-of-custody from the on-property samples; however, all samples were submitted in a cooler containing a trip blank. Refer to the January 2013 Status Report for details pertaining to the trip blank.

1.1.2 Analytical Quality Control Assessment

An analytical data usability assessment was completed for the six primary groundwater samples. The first step in the analytical data usability assessment was to review the data set to determine whether the data achieved “Reasonable Confidence” protocols. 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:

L1217219 and L1217223

The Analytical Report Certification review for both reports indicated that the data set met the Reasonable Confidence Protocols 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. No data were rejected as a result of the non-conformance.

The Analytical Report Certification review for both reports 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 for laboratory report L1217219 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 for both reports 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).

1.1.3 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. No field duplicates were collected as part of these analytical packages, nor were there any MS/MSDs collected. Therefore, RPDs for these samples could not be calculated.

<u>Accuracy</u>

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 spikes, and laboratory control sample results. A site-specific matrix spike/matrix spike duplicate (MS/MSD) was not performed during this sampling period; therefore, no qualifications were applied as a result of MS/MSD results.

The laboratory control sample/laboratory control sample duplicate (LCS/LCSD) met recovery and RPD acceptance criteria for metals and cyanide for samples analyzed as part of the L1217219 package. However, two VOC compounds from this package [4-methyl-2-pentanone and tetrahydrofuran (both on 9/30/12 and 10/1/2012)] did not meet acceptance criteria. These compounds were not qualified as the sample was non-detect for these constituents. Additionally, the VOC LCS/LCSD analyzed as part of the L1217223 package met recovery and RPD acceptance criteria with the following exception: tetrahydrofuran in one LCS/LCSD had an RPD above the laboratories control limit. Since this compound was not detected in the associated sample and the percent recoveries were acceptable, no qualifications will be applied.

Details on the types and locations of the LCS/LCSD detections are provided in the attached data validation summary.

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. All samples were collected on September 17, 2012.

All groundwater samples continued to be collected in accordance with the USEPA's January 2010 Low Stress (Low Flow) Purging and Sampling Procedures for the Collection of Groundwater Samples from Monitoring Wells. The wells that were part of the off-property evaluation sampling event included wells installed by Woodard & Curran in November 2012 as well as 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 are 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. 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 the 1,1,2-trichloro-1,2,2-trifluoroethane result in the 2-fold dilution of sample MW-702A was qualified "E" by the laboratory to indicate that the compound concentration exceeded the upper calibration limit. The sample was re-analyzed at a 5-fold dilution, and the result for this compound was within the calibration range, but the vial analyzed was compromised due to headspace. The results from the less dilute analysis should be used in decision making. The results flagged "E" by the laboratory should be considered an estimate and are qualified as "JK" (estimated, bias unknown).

1.1.4 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.

1.2 NOVEMBER 2012 SAMPLING EVENT

1.2.1 Field Quality Control Assessment

A review of the applicable field quality control elements was performed for the groundwater samples collected on November 27, 2012 as part of the off-property evaluation 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 metals and VOC samples and all intact sample containers were received by the analytical laboratory at temperatures of 3.4°C. All cyanide samples were received at a pH less than 12. The laboratory adjusted the pH to greater than 12 using sodium hydroxide. All non-detected cyanide results will be estimated, biased low (UJL) since the samples were not properly preserved. 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 to be analyzed for VOCs during the sampling event to assist in the assessment of field accuracy 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 field samples as a result of trip blank contamination.

One VOC, total priority pollutant 13 metals, and total cyanide field duplicate pair was collected as part of this sampling event to assess precision of the measurement system including sampling, handling, shipping, storage, preparation, and analysis by calculation of the Relative Percent Difference (RPD) between the pair results. Sample DUPLICATE was collected as a field duplicate of monitoring well MW-703. Positive results were detected for the following compounds: 1,1-DCE, TCE, cis-1,2-DCE, 1,1,1-TCA, and PCE. The RPD values were acceptable for all compounds (<30%); cyanide and total priority pollutant 13 metals were non-detect in both samples; therefore, no qualifications were applied.

One equipment blank (EB-01) was collected after field decontamination to assess the adequacy of that procedure. The equipment blank sample was non-detect for VOCs, total cyanide and priority pollutant 13 metals; therefore, no qualifications were applied.

1.2.2 Analytical Quality Control Assessment

An analytical data usability assessment was completed for the two primary groundwater samples. The first step in the analytical data usability assessment was to review the data set to determine whether the data achieved "Reasonable Confidence" protocols. 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:

L1221408

The Analytical Report Certification review for both reports indicated that the data set met the Reasonable Confidence Protocols 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 (attached). No data were rejected as a result of the non-conformance.

The Analytical Report Certification review for both reports 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 assessment indication which constituents of concern are for the site. 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.

1.2.3 Evaluation of PARCCS Parameters

The 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.

Comparison of the MS/MSD performed on DPMW-1 was used to assess analytical precision associated with this report. All RPDs for the VOC MS/MSD met recovery and RPD acceptance criteria with the following exceptions: trichlorofluoromethane, VC, 1,1-DCE, cis-1,2-DCE, trans-1,4-dichloro-2-butene, 1,1,2-trichloro-1,2,2-trifluoroethane, and dichlorodifluoromethane. Samples from DPMW-1 were JH qualified (estimated, biased high) for VC and 1,1-DCE and UJL (not detected, biased low) for trans-1,4-dichloro-2-butene. No qualifiers were applied to the trichlorofluoromethane, 1,1,2-trichloro-1,2,2-trifluoroethane, and dichlorodifluoromethane concentrations as the sample results were non-detect. Additionally, no qualifier was applied to the cis-1,2-DCE result as the sample concentration was greater than four times the spike concentration.

The MS/MSD concentration sample collected from DPMW-1 for total metals met recovery and RPD acceptance criteria with the exception of mercury. However, because all samples were non-detect, no qualifiers were applied. The cyanide MS/MSD performed on the sample from DPMW-1 met recovery and RPD acceptance criteria; therefore, 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, MS, and LCS results.

In addition to evaluating the MS/MSD for DPMW-1, a VOC LCS/LCSD was evaluated. The LCS/LCSD met recovery and RPD acceptance criteria with the exception of trans-1,4-dichloro-2-butene. All samples containing this constituent will be qualified as UJL (not detected, biased low). The metals LCS met recovery and RPD acceptance criteria with the exception of selenium; however, since selenium was not detected in the associated sample, no qualifications were applied. Additionally, the cyanide LCS/LCSD met recovery and RPD acceptance criteria; therefore, 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 sampling event, one QED MP10 bladder pump was used to collect groundwater samples. All samples were collected on November 27, 2012.

All groundwater samples continue 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 wells installed by Woodard & Curran in November 2012. 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. With the exception of the preservation for the cyanide samples, as discussed above, the remaining 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 are considered to be of comparable quality over the entire 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 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. 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 identified that detection limits for the VOC analyses were raised in two samples due to dilutions performed because of the elevated concentrations of target compounds and/or due to sample matrix. Additionally, arsenic and beryllium detection limits were raised in two samples due to dilutions also performed.

1.2.4 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.

ANALYTICAL REPORT

Lab Number:	L1217223
Client:	Woodard & Curran 35 New England Business Center Drive Suite 180 Andover, MA 01810
ATTN:	Catharine Rockwell
Phone:	(978) 557-8150
Project Name:	RISDON
Project Number:	97001.00/14
Report Date:	10/01/12

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 (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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Project Name: RISDON
Project Number: 97001.00/14

Lab Number: L1217223
Report Date: 10/01/12

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1217223-01	MW 701A	DANBURY, CT	09/17/12 10:27
L1217223-02	MW 701B	DANBURY, CT	09/17/12 11:45
L1217223-03	MW 701C	DANBURY, CT	09/17/12 10:30
L1217223-04	MW 702B	DANBURY, CT	09/17/12 13:12

Project Name: RISDON
Project Number: 97001.00/14

Lab Number: L1217223
Report Date: 10/01/12

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?	YES
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:** L1217223
Project Number: 97001.00/14 **Report Date:** 10/01/12

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. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

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.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: RISDON **Lab Number:** L1217223
Project Number: 97001.00/14 **Report Date:** 10/01/12

Case Narrative (continued)

RCP Related Narratives

Volatile Organics

In reference to question 5b:

One or more of the target analytes did not achieve the requested regulatory limits.

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: 10/01/12

ORGANICS

VOLATILES

Project Name: RISDON **Lab Number:** L1217223

Project Number: 97001.00/14 **Report Date:** 10/01/12

SAMPLE RESULTS

Lab ID:	L1217223-01	Date Collected:	09/17/12 10:27
Client ID:	MW 701A	Date Received:	09/24/12
Sample Location:	DANBURY, CT	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	77,8260C		
Analytical Date:	09/28/12 10:45		
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	3.5		ug/l	0.75	--	1
Chloroform	1.7		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	2.6		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	21		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	5.5		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	94		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:** L1217223

Project Number: 97001.00/14 **Report Date:** 10/01/12

SAMPLE RESULTS

Lab ID: L1217223-01 Date Collected: 09/17/12 10:27

Client ID: MW 701A Date Received: 09/24/12

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
XYLENE (TOTAL)	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	13		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:** L1217223

Project Number: 97001.00/14 **Report Date:** 10/01/12

SAMPLE RESULTS

Lab ID:	L1217223-01	Date Collected:	09/17/12 10:27
Client ID:	MW 701A	Date Received:	09/24/12
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	105		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	109		70-130

Project Name: RISDON **Lab Number:** L1217223

Project Number: 97001.00/14 **Report Date:** 10/01/12

SAMPLE RESULTS

Lab ID:	L1217223-02	D	Date Collected:	09/17/12 11:45
Client ID:	MW 701B		Date Received:	09/24/12
Sample Location:	DANBURY, CT		Field Prep:	Not Specified
Matrix:	Water			
Analytical Method:	77,8260C			
Analytical Date:	09/28/12 11:17			
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	490		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	250		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	130		ug/l	25	--	50
trans-1,2-Dichloroethene	ND		ug/l	38	--	50
Trichloroethene	4400		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

Project Name: RISDON **Lab Number:** L1217223

Project Number: 97001.00/14 **Report Date:** 10/01/12

SAMPLE RESULTS

Lab ID: L1217223-02 D Date Collected: 09/17/12 11:45

Client ID: MW 701B Date Received: 09/24/12

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
XYLENE (TOTAL)	ND		ug/l	50	--	50
cis-1,2-Dichloroethene	84		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

Project Name: RISDON **Lab Number:** L1217223

Project Number: 97001.00/14 **Report Date:** 10/01/12

SAMPLE RESULTS

Lab ID:	L1217223-02	D	Date Collected:	09/17/12 11:45
Client ID:	MW 701B		Date Received:	09/24/12
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	106		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	118		70-130
Dibromofluoromethane	103		70-130

Project Name: RISDON **Lab Number:** L1217223

Project Number: 97001.00/14 **Report Date:** 10/01/12

SAMPLE RESULTS

Lab ID:	L1217223-03	Date Collected:	09/17/12 10:30
Client ID:	MW 701C	Date Received:	09/24/12
Sample Location:	DANBURY, CT	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	77,8260C		
Analytical Date:	10/01/12 11:57		
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	720		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	250		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	110		ug/l	50	--	100
trans-1,2-Dichloroethene	ND		ug/l	75	--	100
Trichloroethene	4000		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

Project Name: RISDON **Lab Number:** L1217223

Project Number: 97001.00/14 **Report Date:** 10/01/12

SAMPLE RESULTS

Lab ID: L1217223-03 Date Collected: 09/17/12 10:30

Client ID: MW 701C Date Received: 09/24/12

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
XYLENE (TOTAL)	ND		ug/l	100	--	100
cis-1,2-Dichloroethene	97		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

Project Name: RISDON **Lab Number:** L1217223

Project Number: 97001.00/14 **Report Date:** 10/01/12

SAMPLE RESULTS

Lab ID:	L1217223-03	Date Collected:	09/17/12 10:30
Client ID:	MW 701C	Date Received:	09/24/12
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	99		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	104		70-130

Project Name: RISDON **Lab Number:** L1217223

Project Number: 97001.00/14 **Report Date:** 10/01/12

SAMPLE RESULTS

Lab ID:	L1217223-04	Date Collected:	09/17/12 13:12
Client ID:	MW 702B	Date Received:	09/24/12
Sample Location:	DANBURY, CT	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	77,8260C		
Analytical Date:	09/28/12 12:22		
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	0.90		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	7.6		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	0.99		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	1.2		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	98		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:** L1217223

Project Number: 97001.00/14 **Report Date:** 10/01/12

SAMPLE RESULTS

Lab ID: L1217223-04 Date Collected: 09/17/12 13:12

Client ID: MW 702B Date Received: 09/24/12

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
XYLENE (TOTAL)	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	3.5		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	6.9		ug/l	2.0	--	1

Project Name: RISDON **Lab Number:** L1217223

Project Number: 97001.00/14 **Report Date:** 10/01/12

SAMPLE RESULTS

Lab ID:	L1217223-04	Date Collected:	09/17/12 13:12
Client ID:	MW 702B	Date Received:	09/24/12
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	106		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	119		70-130
Dibromofluoromethane	92		70-130

Project Name: RISDON **Lab Number:** L1217223

Project Number: 97001.00/14 **Report Date:** 10/01/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8260C
Analytical Date: 09/28/12 08:36
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Volatile Organics - Westborough Lab for sample(s): 01-02,04 Batch: WG564132-3					
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:** L1217223

Project Number: 97001.00/14 **Report Date:** 10/01/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8260C
Analytical Date: 09/28/12 08:36
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Volatile Organics - Westborough Lab for sample(s): 01-02,04 Batch: WG564132-3					
Methyl tert butyl ether	ND		ug/l	1.0	--
p/m-Xylene	ND		ug/l	1.0	--
o-Xylene	ND		ug/l	1.0	--
XYLENE (TOTAL)	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	--

Project Name: RISDON **Lab Number:** L1217223

Project Number: 97001.00/14 **Report Date:** 10/01/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8260C
Analytical Date: 09/28/12 08:36
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Volatile Organics - Westborough Lab for sample(s): 01-02,04 Batch: WG564132-3					
n-Propylbenzene	ND		ug/l	0.50	--
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	115		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	104		70-130

Project Name: RISDON **Lab Number:** L1217223

Project Number: 97001.00/14 **Report Date:** 10/01/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8260C
Analytical Date: 10/01/12 09:16
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Volatile Organics - Westborough Lab for sample(s): 03 Batch: WG564143-6					
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:** L1217223

Project Number: 97001.00/14 **Report Date:** 10/01/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8260C
Analytical Date: 10/01/12 09:16
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Volatile Organics - Westborough Lab for sample(s): 03 Batch: WG564143-6					
Methyl tert butyl ether	ND		ug/l	1.0	--
p/m-Xylene	ND		ug/l	1.0	--
o-Xylene	ND		ug/l	1.0	--
XYLENE (TOTAL)	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	--

Project Name: RISDON **Lab Number:** L1217223

Project Number: 97001.00/14 **Report Date:** 10/01/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8260C
Analytical Date: 10/01/12 09:16
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Volatile Organics - Westborough Lab for sample(s): 03 Batch: WG564143-6					
n-Propylbenzene	ND		ug/l	0.50	--
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	99		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	95		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.00/14

Lab Number: L1217223
Report Date: 10/01/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Volatile Organics - Westborough Lab Associated sample(s): 01-02,04 Batch: WG564132-1 WG564132-2								
Methylene chloride	92		87		70-130	6		30
1,1-Dichloroethane	94		89		70-130	5		30
Chloroform	100		97		70-130	3		30
Carbon tetrachloride	100		94		70-130	6		30
1,2-Dichloropropane	88		84		70-130	5		30
Dibromochloromethane	90		92		70-130	2		30
1,1,2-Trichloroethane	86		90		70-130	5		30
Tetrachloroethene	94		100		70-130	6		30
Chlorobenzene	90		92		70-130	2		30
Trichlorofluoromethane	100		97		70-130	3		30
1,2-Dichloroethane	108		104		70-130	4		30
1,1,1-Trichloroethane	97		96		70-130	1		30
Bromodichloromethane	86		89		70-130	3		30
trans-1,3-Dichloropropene	88		87		70-130	1		30
cis-1,3-Dichloropropene	88		87		70-130	1		30
1,1-Dichloropropene	95		90		70-130	5		30
Bromoform	90		96		54-136	6		30
1,1,2,2-Tetrachloroethane	85		88		70-130	3		30
Benzene	93		90		70-130	3		30
Toluene	87		87		70-130	0		30
Ethylbenzene	92		90		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.00/14

Lab Number: L1217223
Report Date: 10/01/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Volatile Organics - Westborough Lab Associated sample(s): 01-02,04 Batch: WG564132-1 WG564132-2								
Chloromethane	86		80		64-130	7		30
Bromomethane	84		72		39-139	15		30
Vinyl chloride	85		80		70-130	6		30
Chloroethane	89		84		70-130	6		30
1,1-Dichloroethene	99		104		70-130	5		30
trans-1,2-Dichloroethene	96		85		70-130	12		30
Trichloroethene	90		88		70-130	2		30
1,2-Dichlorobenzene	98		96		70-130	2		30
1,3-Dichlorobenzene	93		94		70-130	1		30
1,4-Dichlorobenzene	95		97		70-130	2		30
Methyl tert butyl ether	96		97		70-130	1		30
p/m-Xylene	92		92		70-130	0		30
o-Xylene	92		92		70-130	0		30
cis-1,2-Dichloroethene	92		91		70-130	1		30
Dibromomethane	89		82		70-130	8		30
1,2,3-Trichloropropane	92		96		70-130	4		30
Styrene	88		90		70-130	2		30
Dichlorodifluoromethane	93		83		36-147	11		30
Acetone	126		113		58-148	11		30
Carbon disulfide	80		81		51-130	1		30
2-Butanone	82		84		63-138	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.00/14

Lab Number: L1217223
Report Date: 10/01/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Volatile Organics - Westborough Lab Associated sample(s): 01-02,04 Batch: WG564132-1 WG564132-2								
4-Methyl-2-pentanone	97		94		59-130	3		30
2-Hexanone	88		101		57-130	14		30
Acrylonitrile	97		100		70-130	3		30
Tetrahydrofuran	100		103		70-130	3		30
2,2-Dichloropropane	99		96		63-133	3		30
1,2-Dibromoethane	94		99		70-130	5		30
1,3-Dichloropropane	86		89		70-130	3		30
1,1,1,2-Tetrachloroethane	99		99		70-130	0		30
Bromobenzene	93		96		70-130	3		30
n-Butylbenzene	93		92		70-130	1		30
sec-Butylbenzene	90		87		70-130	3		30
tert-Butylbenzene	92		93		70-130	1		30
o-Chlorotoluene	93		94		70-130	1		30
p-Chlorotoluene	94		90		70-130	4		30
1,2-Dibromo-3-chloropropane	74		86		41-144	15		30
Hexachlorobutadiene	104		103		70-130	1		30
Isopropylbenzene	90		92		70-130	2		30
p-Isopropyltoluene	91		94		70-130	3		30
Naphthalene	76		84		70-130	10		30
n-Propylbenzene	88		91		70-130	3		30
1,2,3-Trichlorobenzene	82		86		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.00/14

Lab Number: L1217223
Report Date: 10/01/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Volatile Organics - Westborough Lab Associated sample(s): 01-02,04 Batch: WG564132-1 WG564132-2								
1,2,4-Trichlorobenzene	87		94		70-130	8		30
1,3,5-Trimethylbenzene	96		89		70-130	8		30
1,2,4-Trimethylbenzene	94		97		70-130	3		30
trans-1,4-Dichloro-2-butene	102		97		70-130	5		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	89		85		70-130	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	115		113		70-130
Toluene-d8	97		97		70-130
4-Bromofluorobenzene	104		91		70-130
Dibromofluoromethane	113		105		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.00/14

Lab Number: L1217223
Report Date: 10/01/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Volatile Organics - Westborough Lab Associated sample(s): 03 Batch: WG564143-4 WG564143-5								
Methylene chloride	95		96		70-130	1		30
1,1-Dichloroethane	92		88		70-130	4		30
Chloroform	100		98		70-130	2		30
Carbon tetrachloride	87		91		70-130	4		30
1,2-Dichloropropane	91		90		70-130	1		30
Dibromochloromethane	81		93		70-130	14		30
1,1,2-Trichloroethane	91		88		70-130	3		30
Tetrachloroethene	86		83		70-130	4		30
Chlorobenzene	94		92		70-130	2		30
Trichlorofluoromethane	90		91		70-130	1		30
1,2-Dichloroethane	105		109		70-130	4		30
1,1,1-Trichloroethane	95		94		70-130	1		30
Bromodichloromethane	88		93		70-130	6		30
trans-1,3-Dichloropropene	92		84		70-130	9		30
cis-1,3-Dichloropropene	91		92		70-130	1		30
1,1-Dichloropropene	92		90		70-130	2		30
Bromoform	83		103		54-136	22		30
1,1,2,2-Tetrachloroethane	75		92		70-130	20		30
Benzene	94		91		70-130	3		30
Toluene	89		82		70-130	8		30
Ethylbenzene	86		84		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.00/14

Lab Number: L1217223
Report Date: 10/01/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Volatile Organics - Westborough Lab Associated sample(s): 03 Batch: WG564143-4 WG564143-5								
Chloromethane	82		76		64-130	8		30
Bromomethane	73		78		39-139	7		30
Vinyl chloride	84		78		70-130	7		30
Chloroethane	84		82		70-130	2		30
1,1-Dichloroethene	91		97		70-130	6		30
trans-1,2-Dichloroethene	90		89		70-130	1		30
Trichloroethene	87		85		70-130	2		30
1,2-Dichlorobenzene	93		96		70-130	3		30
1,3-Dichlorobenzene	94		94		70-130	0		30
1,4-Dichlorobenzene	97		94		70-130	3		30
Methyl tert butyl ether	98		99		70-130	1		30
p/m-Xylene	89		91		70-130	2		30
o-Xylene	94		89		70-130	5		30
cis-1,2-Dichloroethene	96		99		70-130	3		30
Dibromomethane	95		98		70-130	3		30
1,2,3-Trichloropropane	95		99		70-130	4		30
Styrene	93		92		70-130	1		30
Dichlorodifluoromethane	84		83		36-147	1		30
Acetone	121		133		58-148	9		30
Carbon disulfide	74		81		51-130	9		30
2-Butanone	79		82		63-138	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.00/14

Lab Number: L1217223
Report Date: 10/01/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Volatile Organics - Westborough Lab Associated sample(s): 03 Batch: WG564143-4 WG564143-5								
4-Methyl-2-pentanone	90		109		59-130	19		30
2-Hexanone	82		90		57-130	9		30
Acrylonitrile	91		99		70-130	8		30
Tetrahydrofuran	99		72		70-130	**32**	Q	30
2,2-Dichloropropane	90		90		63-133	0		30
1,2-Dibromoethane	97		100		70-130	3		30
1,3-Dichloropropane	90		90		70-130	0		30
1,1,1,2-Tetrachloroethane	90		94		70-130	4		30
Bromobenzene	100		98		70-130	2		30
n-Butylbenzene	85		82		70-130	4		30
sec-Butylbenzene	83		80		70-130	4		30
tert-Butylbenzene	85		82		70-130	4		30
o-Chlorotoluene	92		89		70-130	3		30
p-Chlorotoluene	91		88		70-130	3		30
1,2-Dibromo-3-chloropropane	83		93		41-144	11		30
Hexachlorobutadiene	95		84		70-130	12		30
Isopropylbenzene	85		84		70-130	1		30
p-Isopropyltoluene	87		86		70-130	1		30
Naphthalene	82		103		70-130	23		30
n-Propylbenzene	85		82		70-130	4		30
1,2,3-Trichlorobenzene	84		98		70-130	15		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.00/14

Lab Number: L1217223
Report Date: 10/01/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Volatile Organics - Westborough Lab Associated sample(s): 03 Batch: WG564143-4 WG564143-5								
1,2,4-Trichlorobenzene	89		95		70-130	7		30
1,3,5-Trimethylbenzene	89		91		70-130	2		30
1,2,4-Trimethylbenzene	92		92		70-130	0		30
trans-1,4-Dichloro-2-butene	93		97		70-130	4		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	85		83		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		113		70-130
Toluene-d8	97		94		70-130
4-Bromofluorobenzene	101		106		70-130
Dibromofluoromethane	101		105		70-130

Project Name: RISDON
Project Number: 97001.00/14

Lab Number: L1217223
Report Date: 10/01/12

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(*)
L1217223-01A	Vial HCl preserved	A	N/A	2	Y	Absent	CT-8260(14)
L1217223-01B	Vial HCl preserved	A	N/A	2	Y	Absent	CT-8260(14)
L1217223-02A	Vial HCl preserved	A	N/A	2	Y	Absent	CT-8260(14)
L1217223-02B	Vial HCl preserved	A	N/A	2	Y	Absent	CT-8260(14)
L1217223-03A	Vial HCl preserved	A	N/A	2	Y	Absent	CT-8260(14)
L1217223-03B	Vial HCl preserved	A	N/A	2	Y	Absent	CT-8260(14)
L1217223-04A	Vial HCl preserved	A	N/A	2	Y	Absent	CT-8260(14)
L1217223-04B	Vial HCl preserved	A	N/A	2	Y	Absent	CT-8260(14)

*Values in parentheses indicate holding time in days

Project Name: RISDON **Lab Number:** L1217223

Project Number: 97001.00/14 **Report Date:** 10/01/12

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. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

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.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

Report Format: Data Usability Report

Project Name:	RISDON	**Lab Number:**	L1217223
Project Number:	97001.00/14	**Report Date:**	10/01/12

Data Qualifiers

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. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. 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 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:** L1217223
Project Number: 97001.00/14 **Report Date:** 10/01/12

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 August 16, 2012 - 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, Nickel, Selenium, Silver, Sodium, Thallium, 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) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

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, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

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, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

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, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223D, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8082, 8330, 8151A, 8260B, 8270C, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014A, 9030B, 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, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, 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, 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, SW-846 6010B, 6010C, 6020, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9030B, 9040B, 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, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260B, 8270C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082, 8082A, 8081A, 8081B, 8151A, 8330, 8270C-SIM, 8270D-SIM.)

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

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, 245.1, 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, 2340B, SM4500F-BC, EPA 200.7, 200.8, 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, 2540G, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9014, 9012A, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 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, 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, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

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

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7471A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, 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 (Inorganic Parameters: 200.7, 200.8, 245.2, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 3501., 350.2, 353.2, 420.1, 6010B, 6010C, 6020, 6020A, 7196A, 7470A, 9010B, 9030B, 9040B, Lachat 10-107-06-2-D, NJ-EPH, 2120B, 2310B, 2320B, 2340B, 2510C, 2540B, 2540C, 3500Cr-D, 436C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081A, 8081B, 8082, 8082A, 8151A, 8260B, 8270C, 8270D, 8330, 8015B,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010B, 6010C, 6020A, 7196A, 7471A, 7471B, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3630C, 5035, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
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, 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.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 2..08, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5035, 3540C, 3546, 3550, 3580, 3630C, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B 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, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 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. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

4217223

CHAIN OF CUSTODY

PAGE 2 OF 6

Date Rec'd in Lab: 9/24/12

ALPHA Job #: ~~L1217098~~ 9/26/12 KB

ALPHA TECHNICAL
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 9986
Email:

☒ These samples have been previously analyzed by Alpha

Project Information

Project Name: Risdon
Project Location: Danbury CT
Project #: 97001.00/14
Project Manager: Cathy Rockwell
ALPHA Quote #:

Turn-Around Time

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

Date Due: 10/1/12 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)

1223

	ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	CT 8260B RCP	Total Cyanide	13 Priority Pollutant Metals	Sample Specific Comments	TOTAL # BOTTLES
.01	~~1709~~ 3	MW 701A	9/17/12	1027	GW	TF	2				
.02	4	MW 701B	9/17/12	1145	GW	GR	2				
.03	5	MW 701C	9/17/12	1630	GW	GR	2				
.04	6	MW 702B	9/17/12	1312	GW	TF	2				

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Container Type	V	P	P
Preservative	B	E	C

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	9/24/12 600	[signature]	9/24/12 1350
[signature]	9/24/12 1645	[signature]	9/24/12 1645

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:10011216:11

RISDON DANBURY, CT - PROJECT SUMMARY

Alpha Laboratories Job Numbers: L1217223

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 degrees Celsius. No qualifications will be applied.

VOCs:

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

All VOC surrogates met acceptance criteria (70-130%). No qualifications will be applied.

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

No VOC field blank samples were submitted with this analytical package. 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/laboratory control sample duplicate (LCS/LCSD) met recovery (70-130%) and relative percent difference (RPD) (30%) acceptance criteria with the following exception. Tetrahydrofuran (32%-RPD) in one LCS/LCSD had an RPD above the laboratories control limit. Since this compound was not detected in the associated sample and the percent recoveries were acceptable, no qualifications will be applied.

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

No VOC field duplicate samples were submitted with this analytical package. No qualifications will be applied.

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

Gloria J. Switalski:
President

Date: 11/20/2012

Project Number 97001.00

ANALYTICAL REPORT

Lab Number:	L1217219
Client:	Woodard & Curran 35 New England Business Center Drive Suite 180 Andover, MA 01810
ATTN:	Catharine Rockwell
Phone:	(978) 557-8150
Project Name:	RISDON
Project Number:	97001.00/14
Report Date:	10/01/12

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Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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: L1217219
Report Date: 10/01/12

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1217219-01	MW 702A	DANBURY, CT	09/17/12 11:50
L1217219-02	MS-MW-2	DANBURY, CT	09/17/12 14:12

Project Name: RISDON
Project Number: 97001.00/14

Lab Number: L1217219
Report Date: 10/01/12

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:** L1217219
Project Number: 97001.00/14 **Report Date:** 10/01/12

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. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

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.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	RISDON	**Lab Number:**	L1217219
Project Number:	97001.00/14	**Report Date:**	10/01/12

Case Narrative (continued)

RCP Related Narratives

Volatile Organics

The initial calibration, associated with L1217219-01 and -02, utilized a quadratic fit for Bromoform.

L1217219-01: It should be noted that the re-analysis on 5x dilution was performed from a compromised vial with headspace.

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: Michelle M. Morris

Title: Technical Director/Representative

Date: 10/01/12

ORGANICS

VOLATILES

Project Name: RISDON **Lab Number:** L1217219

Project Number: 97001.00/14 **Report Date:** 10/01/12

SAMPLE RESULTS

Lab ID:	L1217219-01	D2	Date Collected:	09/17/12 11:50
Client ID:	MW 702A		Date Received:	09/24/12
Sample Location:	DANBURY, CT		Field Prep:	Not Specified
Matrix:	Water			
Analytical Method:	77,8260C			
Analytical Date:	10/01/12 10:20			
Analyst:	MM			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						
1,1,2-Trichloro-1,2,2-Trifluoroethane	140		ug/l	10	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	98		70-130

Project Name: RISDON **Lab Number:** L1217219

Project Number: 97001.00/14 **Report Date:** 10/01/12

SAMPLE RESULTS

Lab ID:	L1217219-01	D	Date Collected:	09/17/12 11:50
Client ID:	MW 702A		Date Received:	09/24/12
Sample Location:	DANBURY, CT		Field Prep:	Not Specified
Matrix:	Water			
Analytical Method:	77,8260C			
Analytical Date:	09/30/12 18:02			
Analyst:	MM			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	10	--	2
1,1-Dichloroethane	ND		ug/l	1.5	--	2
Chloroform	ND		ug/l	1.5	--	2
Carbon tetrachloride	ND		ug/l	1.0	--	2
1,2-Dichloropropane	ND		ug/l	3.5	--	2
Dibromochloromethane	ND		ug/l	1.0	--	2
1,1,2-Trichloroethane	ND		ug/l	1.5	--	2
Tetrachloroethene	ND		ug/l	1.0	--	2
Chlorobenzene	ND		ug/l	1.0	--	2
Trichlorofluoromethane	ND		ug/l	5.0	--	2
1,2-Dichloroethane	ND		ug/l	1.0	--	2
1,1,1-Trichloroethane	ND		ug/l	1.0	--	2
Bromodichloromethane	ND		ug/l	1.0	--	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	--	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	--	2
1,1-Dichloropropene	ND		ug/l	5.0	--	2
Bromoform	ND		ug/l	4.0	--	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	2
Benzene	ND		ug/l	1.0	--	2
Toluene	ND		ug/l	1.5	--	2
Ethylbenzene	ND		ug/l	1.0	--	2
Chloromethane	ND		ug/l	5.0	--	2
Bromomethane	ND		ug/l	2.0	--	2
Vinyl chloride	ND		ug/l	2.0	--	2
Chloroethane	ND		ug/l	2.0	--	2
1,1-Dichloroethene	ND		ug/l	1.0	--	2
trans-1,2-Dichloroethene	ND		ug/l	1.5	--	2
Trichloroethene	5.4		ug/l	1.0	--	2
1,2-Dichlorobenzene	ND		ug/l	5.0	--	2
1,3-Dichlorobenzene	ND		ug/l	5.0	--	2
1,4-Dichlorobenzene	ND		ug/l	5.0	--	2

Project Name: RISDON **Lab Number:** L1217219

Project Number: 97001.00/14 **Report Date:** 10/01/12

SAMPLE RESULTS

Lab ID: L1217219-01 D Date Collected: 09/17/12 11:50

Client ID: MW 702A Date Received: 09/24/12

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	2.0	--	2
p/m-Xylene	ND		ug/l	2.0	--	2
o-Xylene	ND		ug/l	2.0	--	2
XYLENE (TOTAL)	ND		ug/l	2.0	--	2
cis-1,2-Dichloroethene	ND		ug/l	1.0	--	2
Dibromomethane	ND		ug/l	10	--	2
1,2,3-Trichloropropane	ND		ug/l	10	--	2
Styrene	ND		ug/l	2.0	--	2
Dichlorodifluoromethane	ND		ug/l	10	--	2
Acetone	ND		ug/l	10	--	2
Carbon disulfide	ND		ug/l	10	--	2
2-Butanone	ND		ug/l	10	--	2
4-Methyl-2-pentanone	ND		ug/l	10	--	2
2-Hexanone	ND		ug/l	10	--	2
Acrylonitrile	ND		ug/l	10	--	2
Tetrahydrofuran	ND		ug/l	10	--	2
2,2-Dichloropropane	ND		ug/l	5.0	--	2
1,2-Dibromoethane	ND		ug/l	4.0	--	2
1,3-Dichloropropane	ND		ug/l	5.0	--	2
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--	2
Bromobenzene	ND		ug/l	5.0	--	2
n-Butylbenzene	ND		ug/l	1.0	--	2
sec-Butylbenzene	ND		ug/l	1.0	--	2
tert-Butylbenzene	ND		ug/l	5.0	--	2
o-Chlorotoluene	ND		ug/l	5.0	--	2
p-Chlorotoluene	ND		ug/l	5.0	--	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	--	2
Hexachlorobutadiene	ND		ug/l	1.2	--	2
Isopropylbenzene	ND		ug/l	1.0	--	2
p-Isopropyltoluene	ND		ug/l	1.0	--	2
Naphthalene	ND		ug/l	5.0	--	2
n-Propylbenzene	ND		ug/l	1.0	--	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	--	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	2
1,3,5-Trimethylbenzene	ND		ug/l	5.0	--	2
1,2,4-Trimethylbenzene	ND		ug/l	5.0	--	2
trans-1,4-Dichloro-2-butene	ND		ug/l	5.0	--	2
1,1,2-Trichloro-1,2,2-Trifluoroethane	320	E	ug/l	4.0	--	2

Project Name: RISDON **Lab Number:** L1217219

Project Number: 97001.00/14 **Report Date:** 10/01/12

SAMPLE RESULTS

Lab ID:	L1217219-01	D	Date Collected:	09/17/12 11:50
Client ID:	MW 702A		Date Received:	09/24/12
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	100		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	104		70-130

Project Name: RISDON **Lab Number:** L1217219

Project Number: 97001.00/14 **Report Date:** 10/01/12

SAMPLE RESULTS

Lab ID:	L1217219-02	Date Collected:	09/17/12 14:12
Client ID:	MS-MW-2	Date Received:	09/24/12
Sample Location:	DANBURY, CT	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	77,8260C		
Analytical Date:	09/30/12 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	11		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:** L1217219

Project Number: 97001.00/14 **Report Date:** 10/01/12

SAMPLE RESULTS

Lab ID: L1217219-02 Date Collected: 09/17/12 14:12

Client ID: MS-MW-2 Date Received: 09/24/12

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
XYLENE (TOTAL)	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	2.0		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:** L1217219

Project Number: 97001.00/14 **Report Date:** 10/01/12

SAMPLE RESULTS

Lab ID:	L1217219-02	Date Collected:	09/17/12 14:12
Client ID:	MS-MW-2	Date Received:	09/24/12
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	117		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	114		70-130

Project Name: RISDON **Lab Number:** L1217219

Project Number: 97001.00/14 **Report Date:** 10/01/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8260C
Analytical Date: 09/30/12 16:25
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Volatile Organics - Westborough Lab for sample(s): 01-02 Batch: WG564150-3					
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:** L1217219

Project Number: 97001.00/14 **Report Date:** 10/01/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8260C
Analytical Date: 09/30/12 16:25
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Volatile Organics - Westborough Lab for sample(s): 01-02 Batch: WG564150-3					
Methyl tert butyl ether	ND		ug/l	1.0	--
p/m-Xylene	ND		ug/l	1.0	--
o-Xylene	ND		ug/l	1.0	--
XYLENE (TOTAL)	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	--

Project Name: RISDON **Lab Number:** L1217219

Project Number: 97001.00/14 **Report Date:** 10/01/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8260C
Analytical Date: 09/30/12 16:25
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Volatile Organics - Westborough Lab for sample(s): 01-02 Batch: WG564150-3					
n-Propylbenzene	ND		ug/l	0.50	--
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	107		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	107		70-130

Project Name: RISDON **Lab Number:** L1217219

Project Number: 97001.00/14 **Report Date:** 10/01/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8260C
Analytical Date: 10/01/12 09:16
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Volatile Organics - Westborough Lab for sample(s): 01 Batch: WG564150-6					
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:** L1217219

Project Number: 97001.00/14 **Report Date:** 10/01/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8260C
Analytical Date: 10/01/12 09:16
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Volatile Organics - Westborough Lab for sample(s): 01 Batch: WG564150-6					
Methyl tert butyl ether	ND		ug/l	1.0	--
p/m-Xylene	ND		ug/l	1.0	--
o-Xylene	ND		ug/l	1.0	--
XYLENE (TOTAL)	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	--

Project Name: RISDON **Lab Number:** L1217219

Project Number: 97001.00/14 **Report Date:** 10/01/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8260C
Analytical Date: 10/01/12 09:16
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Volatile Organics - Westborough Lab for sample(s): 01 Batch: WG564150-6					
n-Propylbenzene	ND		ug/l	0.50	--
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	99		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	95		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.00/14

Lab Number: L1217219
Report Date: 10/01/12

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: WG564150-1 WG564150-2								
Methylene chloride	97		99		70-130	2		30
1,1-Dichloroethane	96		101		70-130	5		30
Chloroform	96		110		70-130	14		30
Carbon tetrachloride	91		116		70-130	24		30
1,2-Dichloropropane	86		94		70-130	9		30
Dibromochloromethane	96		91		70-130	5		30
1,1,2-Trichloroethane	82		79		70-130	4		30
Tetrachloroethene	103		92		70-130	11		30
Chlorobenzene	92		89		70-130	3		30
Trichlorofluoromethane	92		112		70-130	20		30
1,2-Dichloroethane	110		113		70-130	3		30
1,1,1-Trichloroethane	99		109		70-130	10		30
Bromodichloromethane	96		103		70-130	7		30
trans-1,3-Dichloropropene	91		88		70-130	3		30
cis-1,3-Dichloropropene	86		99		70-130	14		30
1,1-Dichloropropene	90		94		70-130	4		30
Bromoform	92		102		54-136	10		30
1,1,2,2-Tetrachloroethane	90		80		70-130	12		30
Benzene	92		99		70-130	7		30
Toluene	86		90		70-130	5		30
Ethylbenzene	94		88		70-130	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.00/14

Lab Number: L1217219
Report Date: 10/01/12

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: WG564150-1 WG564150-2								
Chloromethane	87		96		64-130	10		30
Bromomethane	82		80		39-139	2		30
Vinyl chloride	81		90		70-130	11		30
Chloroethane	91		93		70-130	2		30
1,1-Dichloroethene	87		99		70-130	13		30
trans-1,2-Dichloroethene	87		97		70-130	11		30
Trichloroethene	97		100		70-130	3		30
1,2-Dichlorobenzene	96		95		70-130	1		30
1,3-Dichlorobenzene	87		96		70-130	10		30
1,4-Dichlorobenzene	84		92		70-130	9		30
Methyl tert butyl ether	100		100		70-130	0		30
p/m-Xylene	94		90		70-130	4		30
o-Xylene	93		91		70-130	2		30
cis-1,2-Dichloroethene	96		104		70-130	8		30
Dibromomethane	99		95		70-130	4		30
1,2,3-Trichloropropane	106		101		70-130	5		30
Styrene	93		94		70-130	1		30
Dichlorodifluoromethane	83		94		36-147	12		30
Acetone	100		116		58-148	15		30
Carbon disulfide	79		96		51-130	19		30
2-Butanone	90		88		63-138	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.00/14

Lab Number: L1217219
Report Date: 10/01/12

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: WG564150-1 WG564150-2								
4-Methyl-2-pentanone	124		**140**	Q	59-130	12		30
2-Hexanone	89		93		57-130	4		30
Acrylonitrile	115		117		70-130	2		30
Tetrahydrofuran	**136**	Q	116		70-130	16		30
2,2-Dichloropropane	94		106		63-133	12		30
1,2-Dibromoethane	96		90		70-130	6		30
1,3-Dichloropropane	96		90		70-130	6		30
1,1,1,2-Tetrachloroethane	98		99		70-130	1		30
Bromobenzene	91		97		70-130	6		30
n-Butylbenzene	91		90		70-130	1		30
sec-Butylbenzene	86		92		70-130	7		30
tert-Butylbenzene	88		92		70-130	4		30
o-Chlorotoluene	90		97		70-130	7		30
p-Chlorotoluene	86		92		70-130	7		30
1,2-Dibromo-3-chloropropane	144		137		41-144	5		30
Hexachlorobutadiene	88		106		70-130	19		30
Isopropylbenzene	96		91		70-130	5		30
p-Isopropyltoluene	91		91		70-130	0		30
Naphthalene	92		94		70-130	2		30
n-Propylbenzene	87		92		70-130	6		30
1,2,3-Trichlorobenzene	106		113		70-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.00/14

Lab Number: L1217219
Report Date: 10/01/12

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: WG564150-1 WG564150-2								
1,2,4-Trichlorobenzene	92		89		70-130	3		30
1,3,5-Trimethylbenzene	86		92		70-130	7		30
1,2,4-Trimethylbenzene	87		97		70-130	11		30
trans-1,4-Dichloro-2-butene	96		104		70-130	8		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	88		103		70-130	16		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	120		122		70-130
Toluene-d8	101		97		70-130
4-Bromofluorobenzene	101		105		70-130
Dibromofluoromethane	105		122		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.00/14

Lab Number: L1217219
Report Date: 10/01/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Volatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG564150-4 WG564150-5								
Methylene chloride	95		96		70-130	1		30
1,1-Dichloroethane	92		88		70-130	4		30
Chloroform	100		98		70-130	2		30
Carbon tetrachloride	87		91		70-130	4		30
1,2-Dichloropropane	91		90		70-130	1		30
Dibromochloromethane	81		93		70-130	14		30
1,1,2-Trichloroethane	91		88		70-130	3		30
Tetrachloroethene	86		83		70-130	4		30
Chlorobenzene	94		92		70-130	2		30
Trichlorofluoromethane	90		91		70-130	1		30
1,2-Dichloroethane	105		109		70-130	4		30
1,1,1-Trichloroethane	95		94		70-130	1		30
Bromodichloromethane	88		93		70-130	6		30
trans-1,3-Dichloropropene	92		84		70-130	9		30
cis-1,3-Dichloropropene	91		92		70-130	1		30
1,1-Dichloropropene	92		90		70-130	2		30
Bromoform	83		103		54-136	22		30
1,1,2,2-Tetrachloroethane	75		92		70-130	20		30
Benzene	94		91		70-130	3		30
Toluene	89		82		70-130	8		30
Ethylbenzene	86		84		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.00/14

Lab Number: L1217219
Report Date: 10/01/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Volatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG564150-4 WG564150-5								
Chloromethane	82		76		64-130	8		30
Bromomethane	73		78		39-139	7		30
Vinyl chloride	84		78		70-130	7		30
Chloroethane	84		82		70-130	2		30
1,1-Dichloroethene	91		97		70-130	6		30
trans-1,2-Dichloroethene	90		89		70-130	1		30
Trichloroethene	87		85		70-130	2		30
1,2-Dichlorobenzene	93		96		70-130	3		30
1,3-Dichlorobenzene	94		94		70-130	0		30
1,4-Dichlorobenzene	97		94		70-130	3		30
Methyl tert butyl ether	98		99		70-130	1		30
p/m-Xylene	89		91		70-130	2		30
o-Xylene	94		89		70-130	5		30
cis-1,2-Dichloroethene	96		99		70-130	3		30
Dibromomethane	95		98		70-130	3		30
1,2,3-Trichloropropane	95		99		70-130	4		30
Styrene	93		92		70-130	1		30
Dichlorodifluoromethane	84		83		36-147	1		30
Acetone	121		133		58-148	9		30
Carbon disulfide	74		81		51-130	9		30
2-Butanone	79		82		63-138	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.00/14

Lab Number: L1217219
Report Date: 10/01/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Volatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG564150-4 WG564150-5								
4-Methyl-2-pentanone	90		109		59-130	19		30
2-Hexanone	82		90		57-130	9		30
Acrylonitrile	91		99		70-130	8		30
Tetrahydrofuran	99		72		70-130	**32**	Q	30
2,2-Dichloropropane	90		90		63-133	0		30
1,2-Dibromoethane	97		100		70-130	3		30
1,3-Dichloropropane	90		90		70-130	0		30
1,1,1,2-Tetrachloroethane	90		94		70-130	4		30
Bromobenzene	100		98		70-130	2		30
n-Butylbenzene	85		82		70-130	4		30
sec-Butylbenzene	83		80		70-130	4		30
tert-Butylbenzene	85		82		70-130	4		30
o-Chlorotoluene	92		89		70-130	3		30
p-Chlorotoluene	91		88		70-130	3		30
1,2-Dibromo-3-chloropropane	83		93		41-144	11		30
Hexachlorobutadiene	95		84		70-130	12		30
Isopropylbenzene	85		84		70-130	1		30
p-Isopropyltoluene	87		86		70-130	1		30
Naphthalene	82		103		70-130	23		30
n-Propylbenzene	85		82		70-130	4		30
1,2,3-Trichlorobenzene	84		98		70-130	15		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.00/14

Lab Number: L1217219
Report Date: 10/01/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Volatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG564150-4 WG564150-5								
1,2,4-Trichlorobenzene	89		95		70-130	7		30
1,3,5-Trimethylbenzene	89		91		70-130	2		30
1,2,4-Trimethylbenzene	92		92		70-130	0		30
trans-1,4-Dichloro-2-butene	93		97		70-130	4		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	85		83		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		113		70-130
Toluene-d8	97		94		70-130
4-Bromofluorobenzene	101		106		70-130
Dibromofluoromethane	101		105		70-130

METALS

Project Name:	RISDON	**Lab Number:**	L1217219
Project Number:	97001.00/14	**Report Date:**	10/01/12

SAMPLE RESULTS

Lab ID:	L1217219-01	Date Collected:	09/17/12 11:50
Client ID:	MW 702A	Date Received:	09/24/12
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	0.050	--	1	09/27/12 12:43	09/28/12 14:37	EPA 3005A	77,6010C	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	09/27/12 12:43	09/29/12 16:39	EPA 3005A	77,6020A	AK
Beryllium, Total	ND		mg/l	0.0005	--	1	09/27/12 12:43	09/29/12 16:39	EPA 3005A	77,6020A	AK
Cadmium, Total	ND		mg/l	0.0005	--	1	09/27/12 12:43	09/29/12 16:39	EPA 3005A	77,6020A	AK
Chromium, Total	ND		mg/l	0.01	--	1	09/27/12 12:43	09/28/12 14:37	EPA 3005A	77,6010C	BM
Copper, Total	0.0016		mg/l	0.0005	--	1	09/27/12 12:43	09/29/12 16:39	EPA 3005A	77,6020A	AK
Lead, Total	ND		mg/l	0.0005	--	1	09/27/12 12:43	09/29/12 16:39	EPA 3005A	77,6020A	AK
Mercury, Total	ND		mg/l	0.0002	--	1	09/28/12 11:50	09/29/12 10:57	EPA 7470A	77,7470A	KL
Nickel, Total	ND		mg/l	0.025	--	1	09/27/12 12:43	09/28/12 14:37	EPA 3005A	77,6010C	BM
Selenium, Total	ND		mg/l	0.010	--	1	09/27/12 12:43	09/28/12 14:37	EPA 3005A	77,6010C	BM
Silver, Total	ND		mg/l	0.007	--	1	09/27/12 12:43	09/28/12 14:37	EPA 3005A	77,6010C	BM
Thallium, Total	ND		mg/l	0.020	--	1	09/27/12 12:43	09/28/12 14:37	EPA 3005A	77,6010C	BM
Zinc, Total	ND		mg/l	0.050	--	1	09/27/12 12:43	09/28/12 14:37	EPA 3005A	77,6010C	BM

Project Name:	RISDON	**Lab Number:**	L1217219
Project Number:	97001.00/14	**Report Date:**	10/01/12

SAMPLE RESULTS

Lab ID:	L1217219-02	Date Collected:	09/17/12 14:12
Client ID:	MS-MW-2	Date Received:	09/24/12
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	0.050	--	1	09/27/12 12:43	09/28/12 14:40	EPA 3005A	77,6010C	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	09/27/12 12:43	09/29/12 16:45	EPA 3005A	77,6020A	AK
Beryllium, Total	ND		mg/l	0.0005	--	1	09/27/12 12:43	09/29/12 16:45	EPA 3005A	77,6020A	AK
Cadmium, Total	ND		mg/l	0.0005	--	1	09/27/12 12:43	09/29/12 16:45	EPA 3005A	77,6020A	AK
Chromium, Total	ND		mg/l	0.01	--	1	09/27/12 12:43	09/28/12 14:40	EPA 3005A	77,6010C	BM
Copper, Total	0.0009		mg/l	0.0005	--	1	09/27/12 12:43	09/29/12 16:45	EPA 3005A	77,6020A	AK
Lead, Total	ND		mg/l	0.0005	--	1	09/27/12 12:43	09/29/12 16:45	EPA 3005A	77,6020A	AK
Mercury, Total	ND		mg/l	0.0002	--	1	09/28/12 11:50	09/29/12 10:58	EPA 7470A	77,7470A	KL
Nickel, Total	ND		mg/l	0.025	--	1	09/27/12 12:43	09/28/12 14:40	EPA 3005A	77,6010C	BM
Selenium, Total	ND		mg/l	0.010	--	1	09/27/12 12:43	09/28/12 14:40	EPA 3005A	77,6010C	BM
Silver, Total	ND		mg/l	0.007	--	1	09/27/12 12:43	09/28/12 14:40	EPA 3005A	77,6010C	BM
Thallium, Total	ND		mg/l	0.020	--	1	09/27/12 12:43	09/28/12 14:40	EPA 3005A	77,6010C	BM
Zinc, Total	ND		mg/l	0.050	--	1	09/27/12 12:43	09/28/12 14:40	EPA 3005A	77,6010C	BM

Project Name: RISDON **Lab Number:** L1217219

Project Number: 97001.00/14 **Report Date:** 10/01/12

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): 01-02 Batch: WG563561-1										
Antimony, Total	ND		mg/l	0.050	--	1	09/27/12 12:43	09/28/12 00:02	77,6010C	BM
Chromium, Total	ND		mg/l	0.01	--	1	09/27/12 12:43	09/28/12 00:02	77,6010C	BM
Nickel, Total	ND		mg/l	0.025	--	1	09/27/12 12:43	09/28/12 00:02	77,6010C	BM
Selenium, Total	ND		mg/l	0.010	--	1	09/27/12 12:43	09/28/12 00:02	77,6010C	BM
Silver, Total	ND		mg/l	0.007	--	1	09/27/12 12:43	09/28/12 00:02	77,6010C	BM
Thallium, Total	ND		mg/l	0.020	--	1	09/27/12 12:43	09/28/12 00:02	77,6010C	BM
Zinc, Total	ND		mg/l	0.050	--	1	09/27/12 12:43	09/28/12 00:02	77,6010C	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): 01-02 Batch: WG563567-1										
Arsenic, Total	ND		mg/l	0.0005	--	1	09/27/12 12:43	09/29/12 14:54	77,6020A	AK
Beryllium, Total	ND		mg/l	0.0005	--	1	09/27/12 12:43	09/29/12 14:54	77,6020A	AK
Cadmium, Total	ND		mg/l	0.0005	--	1	09/27/12 12:43	09/29/12 14:54	77,6020A	AK
Copper, Total	ND		mg/l	0.0005	--	1	09/27/12 12:43	09/29/12 14:54	77,6020A	AK
Lead, Total	ND		mg/l	0.0005	--	1	09/27/12 12:43	09/29/12 14:54	77,6020A	AK

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): 01-02 Batch: WG563833-1										
Mercury, Total	ND		mg/l	0.0002	--	1	09/28/12 11:50	09/29/12 10:18	77,7470A	KL

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.00/14

Lab Number: L1217219
Report Date: 10/01/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG563561-2								
Antimony, Total	100		-		80-120	-		20
Chromium, Total	100		-		80-120	-		20
Nickel, Total	102		-		80-120	-		20
Selenium, Total	111		-		80-120	-		20
Silver, Total	97		-		80-120	-		20
Thallium, Total	103		-		80-120	-		20
Zinc, Total	103		-		80-120	-		20
CT RCP Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG563567-2								
Arsenic, Total	104		-		80-120	-		20
Beryllium, Total	101		-		80-120	-		20
Cadmium, Total	115		-		80-120	-		20
Copper, Total	100		-		80-120	-		20
Lead, Total	102		-		80-120	-		20
CT RCP Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG563833-2								
Mercury, Total	92		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.00/14
Lab Number: L1217219
Report Date: 10/01/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
CT RCP Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG563561-3 WG563561-4 QC Sample: L1217098-10 Client ID: MS Sample												
Antimony, Total	ND	0.5	0.499	100		0.501	100		75-125	0		20
Chromium, Total	0.01	0.2	0.20	94		0.21	99		75-125	5		20
Nickel, Total	ND	0.5	0.480	96		0.484	97		75-125	1		20
Selenium, Total	ND	0.12	0.129	108		0.129	108		75-125	0		20
Silver, Total	ND	0.05	0.048	95		0.049	98		75-125	2		20
Thallium, Total	ND	0.12	0.115	96		0.114	95		75-125	1		20
Zinc, Total	ND	0.5	0.512	102		0.516	103		75-125	1		20
CT RCP Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG563567-3 WG563567-4 QC Sample: L1217098-10 Client ID: MS Sample												
Arsenic, Total	ND	0.12	0.1330	111		0.1316	110		75-125	1		20
Beryllium, Total	ND	0.05	0.0542	108		0.0577	115		75-125	6		20
Cadmium, Total	ND	0.051	0.0576	113		0.0563	110		75-125	2		20
Copper, Total	0.0506	0.25	0.2832	93		0.2947	98		75-125	4		20
Lead, Total	ND	0.51	0.5241	103		0.5053	99		75-125	4		20
CT RCP Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG563833-3 WG563833-4 QC Sample: L1217098-10 Client ID: MS Sample												
Mercury, Total	ND	0.001	0.0014	**139**	Q	0.0014	**138**	Q	75-125	1		20

INORGANICS
&
MISCELLANEOUS

Project Name: RISDON
Project Number: 97001.00/14

Lab Number: L1217219
Report Date: 10/01/12

SAMPLE RESULTS

Lab ID: L1217219-01
Client ID: MW 702A
Sample Location: DANBURY, CT
Matrix: Water

Date Collected: 09/17/12 11:50
Date Received: 09/24/12
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	09/27/12 14:30	09/28/12 13:28	77,9014	JO

Project Name: RISDON
Project Number: 97001.00/14

Lab Number: L1217219
Report Date: 10/01/12

SAMPLE RESULTS

Lab ID: L1217219-02
Client ID: MS-MW-2
Sample Location: DANBURY, CT
Matrix: Water

Date Collected: 09/17/12 14:12
Date Received: 09/24/12
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	09/27/12 14:30	09/28/12 13:28	77,9014	JO

Project Name: RISDON **Lab Number:** L1217219

Project Number: 97001.00/14 **Report Date:** 10/01/12

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): 01-02 Batch: WG563588-3										
Cyanide, Total	ND		mg/l	0.005	--	1	09/27/12 14:30	09/28/12 13:08	77,9014	JO

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.00/14

Lab Number: L1217219
Report Date: 10/01/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG563588-1 WG563588-2								
Cyanide, Total	109		110		80-120	1		20

Matrix Spike Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.00/14

Lab Number: L1217219
Report Date: 10/01/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
CT RCP General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG563588-4 WG563588-5 QC Sample: L1217098-10 Client ID: MS Sample												
Cyanide, Total	ND	0.2	0.182	91		0.188	94		75-125	3		20

Project Name: RISDON
Project Number: 97001.00/14

Lab Number: L1217219
Report Date: 10/01/12

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(*)
L1217219-01A	Vial HCl preserved	A	N/A	2	Y	Absent	CT-8260(14)
L1217219-01B	Vial HCl preserved	A	N/A	2	Y	Absent	CT-8260(14)
L1217219-01C	Plastic 250ml NaOH preserved	A	>12	2	Y	Absent	CT-TCN-9014(14)
L1217219-01D	Plastic 250ml HNO3 preserved	A	<2	2	Y	Absent	CT-AG-6010T(180),CT-AS-6020T(180),CT-NI-6010S(180),CT-SE-6010S(180),CT-TL-6020S(180),CT-AS-6020S(180),CT-BE-6020S(180),CT-CR-6010S(180),CT-CU-6010S(180),CT-HG-7470S(28),CT-SB-6010T(180),CT-SE-6010T(180),CT-HG-7470T(28),CT-PB-6010S(180),CT-BE-6020T(180),CT-CD-6020T(180),CT-CU-6020T(180),CT-NI-6010T(180),CT-PB-6020T(180),CT-ZN-6010S(180),CT-AG-6010S(180),CT-CD-6010S(180),CT-CR-6010T(180),CT-ZN-6010T(180),CT-SB-6020S(180),CT-TL-6010T(180)
L1217219-02A	Vial HCl preserved	A	N/A	2	Y	Absent	CT-8260(14)
L1217219-02B	Vial HCl preserved	A	N/A	2	Y	Absent	CT-8260(14)
L1217219-02C	Plastic 250ml NaOH preserved	A	>12	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: L1217219
Report Date: 10/01/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1217219-02D	Plastic 250ml HNO3 preserved	A	<2	2	Y	Absent	CT-AG-6010T(180),CT-AS-6020T(180),CT-NI-6010S(180),CT-SE-6010S(180),CT-TL-6020S(180),CT-AS-6020S(180),CT-BE-6020S(180),CT-CR-6010S(180),CT-CU-6010S(180),CT-HG-7470S(28),CT-SB-6010T(180),CT-SE-6010T(180),CT-HG-7470T(28),CT-PB-6010S(180),CT-BE-6020T(180),CT-CD-6020T(180),CT-CU-6020T(180),CT-NI-6010T(180),CT-PB-6020T(180),CT-ZN-6010S(180),CT-AG-6010S(180),CT-CD-6010S(180),CT-CR-6010T(180),CT-ZN-6010T(180),CT-SB-6020S(180),CT-TL-6010T(180)

*Values in parentheses indicate holding time in days

Project Name:	RISDON	**Lab Number:**	L1217219
Project Number:	97001.00/14	**Report Date:**	10/01/12

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. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
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.
NJ	- Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

Report Format: Data Usability Report

Project Name:	RISDON	**Lab Number:**	L1217219
Project Number:	97001.00/14	**Report Date:**	10/01/12

Data Qualifiers

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. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. 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 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:**	L1217219
Project Number:	97001.00/14	**Report Date:**	10/01/12

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 August 16, 2012 - 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, Nickel, Selenium, Silver, Sodium, Thallium, 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) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

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, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

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, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

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, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223D, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8082, 8330, 8151A, 8260B, 8270C, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014A, 9030B, 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, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, 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, 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, SW-846 6010B, 6010C, 6020, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9030B, 9040B, 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, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260B, 8270C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082, 8082A, 8081A, 8081B, 8151A, 8330, 8270C-SIM, 8270D-SIM.)

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

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, 245.1, 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, 2340B, SM4500F-BC, EPA 200.7, 200.8, 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, 2540G, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9014, 9012A, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 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, 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, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

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

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7471A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, 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 (Inorganic Parameters: 200.7, 200.8, 245.2, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 3501., 350.2, 353.2, 420.1, 6010B, 6010C, 6020, 6020A, 7196A, 7470A, 9010B, 9030B, 9040B, Lachat 10-107-06-2-D, NJ-EPH, 2120B, 2310B, 2320B, 2340B, 2510C, 2540B, 2540C, 3500Cr-D, 436C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081A, 8081B, 8082, 8082A, 8151A, 8260B, 8270C, 8270D, 8330, 8015B,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010B, 6010C, 6020A, 7196A, 7471A, 7471B, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3630C, 5035, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
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, 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.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 2..08, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5035, 3540C, 3546, 3550, 3580, 3630C, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B 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, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 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. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

L1217219

CHAIN OF CUSTODY

PAGE 1 OF 6

Date Rec'd in Lab: 9/24/12

ALPHA Job #: L1217096 9/24/12 KB

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: 15 New England Business Center, Andover MA 01810
Phone: 978 557 8150
Fax: 978 557 9846
Email:

☒ These samples have been previously analyzed by Alpha

Project Information

Project Name: Risdon
Project Location: Danbury CT
Project #: 97001.00 /14
Project Manager: Cathy Rockwell
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: 10/1/12 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 Metrix 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 RCP	Total Cyanide	13 Priority Pollutant Metals	Sample Specific Comments	TOTAL # BOTTLES
17219.01 L17098-1	MW 702A	9/17/12	1150	GW	TF	2	1	1		
.02 -2	MS-MW-2	9/17/12	1412	GW	TF	2	1	1		

Container Type	V	P	P
Preservative	B	E	C

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	9/24/12 6:00	T. Hardel	9/24/12 1352
T. Hardel	9/24/12 1645	[illegible]	9/24/12 1645

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:10011216:29

Serial_No:10011216:29

4217219
~~4217098~~

TABLE 1
GROUNDWATER NEAR WETLANDS
- INORGANICS

Analytes	CAS Number	USEPA Analytical Method	CTDEEP WQS (Feb 2011) OR SWPC	Laboratory IDL (µg/l)	Laboratory QL (µg/l)
Antimony	7440-36-0	6010B	86,000	25	50
Arsenic	7440-38-2	6020A	150	0.25	0.5
Beryllium	7440-41-7	6020A	4	3	5
Cadmium	7440-43-9	6020A	0.125	0.25 3	0.5
Chromium[2]	7440-47-3	6010B	--	5	10
Hexavalent Chromium	18540-29-9	7196A	11	5	10
Trivalent Chromium		--	42	NA - calculation	10
Copper	7440-50-8	6020A	4.8	0.5	1
Cyanide, amenable	57-12-5	9014	--	NA - calculation	10
Cyanide, total	57-12-5	9014	5.2	2.5	5
Lead	7439-92-1	6020A	1.2	0.25	1
Mercury	7439-97-6	7470A	0.4	0.1	0.2
Nickel	7440-02-0	6010B	28.9	13	25
Selenium	7782-49-2	6010B	5	5	10
Silver	7440-22-4	6010B	12	4	7
Thallium	7440-28-0	6010B	63	10	20
Zinc	7440-66-8	6010B	55	25	50

Notes:

1. The proposed screening levels are based on the lower of the Surface Water Protection Criteria (SWPC) of CTDEEP Remediation Standard Regulations or CTDEEP Water Quality Criteria (Feb 2011) - Chronic freshwater values.

2. Screening levels for Chromium are based on the SWPC for Hexavalent and Trivalent Chromium. A value for Trivalent Chromium is developed by subtracting Hexavalent Chromium from the total Chromium result

3. 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.
NA = Not applicable
NE = Not established

Table 6-2 a and b groundwater REV

RISDON DANBURY, CT - PROJECT SUMMARY

Alpha Laboratories Job Number: L1217219

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 degrees Celsius. No qualifications will be applied.

VOCs:

All volatile organic compound (VOC) samples were properly preserved and analyzed within technical holding time. No qualifications will be applied. The 5-fold dilution of sample MW-702A (L1217219-1) was analyzed from a compromised vial with headspace. Only 1,1,2-trichloro-1,2,2-trifluoroethane was reported from this analysis. The 1,1,2-trichloro-1,2,2-trifluoroethane result from the 5-fold dilution is estimated (JL) since the vial used for analysis had headspace.

All VOC surrogates met acceptance criteria (70-130%). No qualifications will be applied.

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

No VOC field blank samples were submitted with this analytical package. 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/laboratory control sample duplicate (LCS/LCSD) met recovery and relative percent difference (RPD) acceptance criteria with the following exceptions:

DATE	COMPOUND	%R/%R/RPD	QC LIMIT	AFFECTED SAMPLES	QUALIFIER FLAG
9/30/2012	4-Methyl-2-pentanone Tetrahydrofuran	OK/140/OK 136/OK/OK	59-130%/30 70-130%/30	L1217219-1 (2-fold dilution) and -2	None, samples ND None, samples ND
10/1/2012	Tetrahydrofuran	OK/OK/32	70-130%/30	L1217219-1 (5-fold dilution)	None, not reported from this analysis

No VOC field duplicate samples were submitted with this analytical package. No qualifications will be applied.

The 1,1,2-trichloro-1,2,2-trifluoroethane result in the 2-fold dilution of sample MW-702A (L1217219-1) was qualified "E" by the laboratory to indicate that the compound concentration exceeded the upper calibration limit. The sample was re-analyzed at a 5-fold dilution, and the result for this compound was within the calibration range but the vial analyzed was compromised due to headspace. The results from the less dilute analysis should be used in decision making. The results flagged "E" by the laboratory should be considered an estimate and are qualified "JK".

Detection limits were raised sample MW-702A (L1217219-1) due to dilutions performed because of the elevated concentrations of target compounds and/or due to sample matrix.

Metals:

All metals samples were properly preserved and 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.

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

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

Alpha Laboratories Job Number: L1217219

The metals LCS met acceptance criteria (80-120%). No qualifications will be applied.

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

Cyanide:

All cyanide (CN) samples were properly preserved and 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 sample was 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 field duplicate samples were submitted with this analytical package. No qualifications will be applied.

The CN LCS/LCSD met recovery (80-120%) and RPD (≤20%) acceptance criteria. No qualifications will be applied.

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

QUALIFIER EXPLANATION

QUALIFIER	EXPLANATION
UJL	Not detected, biased low
UJK	Not detected, bias unknown
JL	Estimated, biased low
JH	Estimated, biased high
JK	Estimated, bias unknown
R	Rejected, data not useable

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

Gloria J. Switalski:
President

Date: 11/20/2012

ANALYTICAL REPORT

Lab Number:	L1221408
Client:	Woodard & Curran 35 New England Business Center Drive Suite 180 Andover, MA 01810
ATTN:	Catharine Rockwell
Phone:	(978) 557-8150
Project Name:	RISDON
Project Number:	97001.01
Report Date:	12/05/12

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Project Name: RISDON
Project Number: 97001.01

Lab Number: L1221408
Report Date: 12/05/12

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1221408-01	MW-703	DANBURY, CT	11/27/12 12:00
L1221408-02	DPMW-1	DANBURY, CT	11/27/12 13:20
L1221408-03	DUPLICATE	DANBURY, CT	11/27/12 08:00
L1221408-04	EB-01	DANBURY, CT	11/27/12 15:30
L1221408-05	TRIP BLANK	DANBURY, CT	11/27/12 00:00

Project Name: RISDON
Project Number: 97001.01

Lab Number: L1221408
Report Date: 12/05/12

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:** L1221408
Project Number: 97001.01 **Report Date:** 12/05/12

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. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

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.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: RISDON **Lab Number:** L1221408
Project Number: 97001.01 **Report Date:** 12/05/12

Case Narrative (continued)

RCP Related Narratives

Sample Receipt

The samples were received below the appropriate pH for the Cyanide analysis. The laboratory added additional NaOH to a pH >12.

Volatile Organics

The initial calibration, associated with L1221408-01 through -05, utilized a quadratic fit for 2-Butanone and 1,2,3-Trichlorobenzene.

In reference to question 4:

The WG576849-4/-5 MS/MSD recoveries, performed on L1221408-02, were outside the acceptance criteria for several compounds; however, the associated LCS/LCSD recoveries were within criteria. The results of the sample utilized for the MS/MSD are considered to have a potentially high bias for Trichlorofluoromethane (MSD at 133%), Vinyl chloride (133%/138%), 1,1-Dichloroethene (133%/136%), Dichlorodifluoromethane (MSD at 151%), and 1,1,2-Trichloro-1,2,2-trifluoroethane (134%/140%) and a potentially low bias for trans-1,4-Dichloro-2-butene (MS at 68%).

The WG576849-4/-5 MS/MSD recoveries, performed on L1221408-02, are outside the acceptance criteria for cis-1,2-Dichloroethene (261%/243%) and should be considered estimated due to the concentrations of these compounds exceeding the calibration range.

In reference to question 5b:

One or more of the target analytes did not achieve the requested regulatory limits.

Metals

L1221408-01 and -03 have elevated detection limits for Arsenic and Beryllium due to the dilution required by matrix interferences encountered during the 6020 analysis.

In reference to question 4:

The WG576304-2 LCS recovery, associated with L1221408-01 through -04, was above the acceptance criteria for Selenium (123%); however, the associated samples were non-detect for this target compound. The results of the original analysis are reported.

Project Name: RISDON **Lab Number:** L1221408
Project Number: 97001.01 **Report Date:** 12/05/12

Case Narrative (continued)

The WG576625-3/-4 MS/MSD recoveries, performed on L1221408-02, are outside the acceptance criteria for Mercury (135%/134%); however, the associated LCS recovery is within criteria. No further action was required.
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: 12/05/12

ORGANICS

VOLATILES

Project Name: RISDON **Lab Number:** L1221408

Project Number: 97001.01 **Report Date:** 12/05/12

SAMPLE RESULTS

Lab ID:	L1221408-01	D	Date Collected:	11/27/12 12:00
Client ID:	MW-703		Date Received:	11/28/12
Sample Location:	DANBURY, CT		Field Prep:	Not Specified
Matrix:	Water			
Analytical Method:	77,8260C			
Analytical Date:	11/30/12 16:15			
Analyst:	MM			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	120	--	25
1,1-Dichloroethane	ND		ug/l	19	--	25
Chloroform	ND		ug/l	19	--	25
Carbon tetrachloride	ND		ug/l	12	--	25
1,2-Dichloropropane	ND		ug/l	44	--	25
Dibromochloromethane	ND		ug/l	12	--	25
1,1,2-Trichloroethane	ND		ug/l	19	--	25
Tetrachloroethene	180		ug/l	12	--	25
Chlorobenzene	ND		ug/l	12	--	25
Trichlorofluoromethane	ND		ug/l	62	--	25
1,2-Dichloroethane	ND		ug/l	12	--	25
1,1,1-Trichloroethane	81		ug/l	12	--	25
Bromodichloromethane	ND		ug/l	12	--	25
trans-1,3-Dichloropropene	ND		ug/l	12	--	25
cis-1,3-Dichloropropene	ND		ug/l	12	--	25
1,1-Dichloropropene	ND		ug/l	62	--	25
Bromoform	ND		ug/l	50	--	25
1,1,2,2-Tetrachloroethane	ND		ug/l	12	--	25
Benzene	ND		ug/l	12	--	25
Toluene	ND		ug/l	19	--	25
Ethylbenzene	ND		ug/l	12	--	25
Chloromethane	ND		ug/l	62	--	25
Bromomethane	ND		ug/l	25	--	25
Vinyl chloride	ND		ug/l	25	--	25
Chloroethane	ND		ug/l	25	--	25
1,1-Dichloroethene	75		ug/l	12	--	25
trans-1,2-Dichloroethene	ND		ug/l	19	--	25
Trichloroethene	1800		ug/l	12	--	25
1,2-Dichlorobenzene	ND		ug/l	62	--	25
1,3-Dichlorobenzene	ND		ug/l	62	--	25
1,4-Dichlorobenzene	ND		ug/l	62	--	25

Project Name: RISDON **Lab Number:** L1221408

Project Number: 97001.01 **Report Date:** 12/05/12

SAMPLE RESULTS

Lab ID: L1221408-01 D Date Collected: 11/27/12 12:00

Client ID: MW-703 Date Received: 11/28/12

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	25	--	25
p/m-Xylene	ND		ug/l	25	--	25
o-Xylene	ND		ug/l	25	--	25
XYLENE (TOTAL)	ND		ug/l	25	--	25
cis-1,2-Dichloroethene	66		ug/l	12	--	25
Dibromomethane	ND		ug/l	120	--	25
1,2,3-Trichloropropane	ND		ug/l	120	--	25
Styrene	ND		ug/l	25	--	25
Dichlorodifluoromethane	ND		ug/l	120	--	25
Acetone	ND		ug/l	120	--	25
Carbon disulfide	ND		ug/l	120	--	25
2-Butanone	ND		ug/l	120	--	25
4-Methyl-2-pentanone	ND		ug/l	120	--	25
2-Hexanone	ND		ug/l	120	--	25
Acrylonitrile	ND		ug/l	120	--	25
Tetrahydrofuran	ND		ug/l	120	--	25
2,2-Dichloropropane	ND		ug/l	62	--	25
1,2-Dibromoethane	ND		ug/l	50	--	25
1,3-Dichloropropane	ND		ug/l	62	--	25
1,1,1,2-Tetrachloroethane	ND		ug/l	12	--	25
Bromobenzene	ND		ug/l	62	--	25
n-Butylbenzene	ND		ug/l	12	--	25
sec-Butylbenzene	ND		ug/l	12	--	25
tert-Butylbenzene	ND		ug/l	62	--	25
o-Chlorotoluene	ND		ug/l	62	--	25
p-Chlorotoluene	ND		ug/l	62	--	25
1,2-Dibromo-3-chloropropane	ND		ug/l	62	--	25
Hexachlorobutadiene	ND		ug/l	15	--	25
Isopropylbenzene	ND		ug/l	12	--	25
p-Isopropyltoluene	ND		ug/l	12	--	25
Naphthalene	ND		ug/l	62	--	25
n-Propylbenzene	ND		ug/l	12	--	25
1,2,3-Trichlorobenzene	ND		ug/l	62	--	25
1,2,4-Trichlorobenzene	ND		ug/l	62	--	25
1,3,5-Trimethylbenzene	ND		ug/l	62	--	25
1,2,4-Trimethylbenzene	ND		ug/l	62	--	25
trans-1,4-Dichloro-2-butene	ND		ug/l	62	--	25
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	50	--	25

Project Name: RISDON **Lab Number:** L1221408

Project Number: 97001.01 **Report Date:** 12/05/12

SAMPLE RESULTS

Lab ID: L1221408-01 D Date Collected: 11/27/12 12:00

Client ID: MW-703 Date Received: 11/28/12

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	88		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	104		70-130

Project Name: RISDON
Project Number: 97001.01
Lab Number: L1221408
Report Date: 12/05/12

SAMPLE RESULTS

Lab ID: L1221408-02
Client ID: DPMW-1
Sample Location: DANBURY, CT
Matrix: Water
Analytical Method: 77,8260C
Analytical Date: 11/30/12 13:00
Analyst: MM

Date Collected: 11/27/12 13:20
Date Received: 11/28/12
Field Prep: Not Specified

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	2.2		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	2.0		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	5.9		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	4.7		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:** L1221408

Project Number: 97001.01 **Report Date:** 12/05/12

SAMPLE RESULTS

Lab ID: L1221408-02 Date Collected: 11/27/12 13:20

Client ID: DPMW-1 Date Received: 11/28/12

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
XYLENE (TOTAL)	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	100		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:** L1221408

Project Number: 97001.01 **Report Date:** 12/05/12

SAMPLE RESULTS

Lab ID:	L1221408-02	Date Collected:	11/27/12 13:20
Client ID:	DPMW-1	Date Received:	11/28/12
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	84		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	103		70-130

Project Name: RISDON **Lab Number:** L1221408

Project Number: 97001.01 **Report Date:** 12/05/12

SAMPLE RESULTS

Lab ID:	L1221408-03	D	Date Collected:	11/27/12 08:00
Client ID:	DUPLICATE		Date Received:	11/28/12
Sample Location:	DANBURY, CT		Field Prep:	Not Specified
Matrix:	Water			
Analytical Method:	77,8260C			
Analytical Date:	11/30/12 16:48			
Analyst:	MM			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	120	--	25
1,1-Dichloroethane	ND		ug/l	19	--	25
Chloroform	ND		ug/l	19	--	25
Carbon tetrachloride	ND		ug/l	12	--	25
1,2-Dichloropropane	ND		ug/l	44	--	25
Dibromochloromethane	ND		ug/l	12	--	25
1,1,2-Trichloroethane	ND		ug/l	19	--	25
Tetrachloroethene	180		ug/l	12	--	25
Chlorobenzene	ND		ug/l	12	--	25
Trichlorofluoromethane	ND		ug/l	62	--	25
1,2-Dichloroethane	ND		ug/l	12	--	25
1,1,1-Trichloroethane	82		ug/l	12	--	25
Bromodichloromethane	ND		ug/l	12	--	25
trans-1,3-Dichloropropene	ND		ug/l	12	--	25
cis-1,3-Dichloropropene	ND		ug/l	12	--	25
1,1-Dichloropropene	ND		ug/l	62	--	25
Bromoform	ND		ug/l	50	--	25
1,1,2,2-Tetrachloroethane	ND		ug/l	12	--	25
Benzene	ND		ug/l	12	--	25
Toluene	ND		ug/l	19	--	25
Ethylbenzene	ND		ug/l	12	--	25
Chloromethane	ND		ug/l	62	--	25
Bromomethane	ND		ug/l	25	--	25
Vinyl chloride	ND		ug/l	25	--	25
Chloroethane	ND		ug/l	25	--	25
1,1-Dichloroethene	75		ug/l	12	--	25
trans-1,2-Dichloroethene	ND		ug/l	19	--	25
Trichloroethene	1800		ug/l	12	--	25
1,2-Dichlorobenzene	ND		ug/l	62	--	25
1,3-Dichlorobenzene	ND		ug/l	62	--	25
1,4-Dichlorobenzene	ND		ug/l	62	--	25

Project Name: RISDON **Lab Number:** L1221408

Project Number: 97001.01 **Report Date:** 12/05/12

SAMPLE RESULTS

Lab ID: L1221408-03 D Date Collected: 11/27/12 08:00

Client ID: DUPLICATE Date Received: 11/28/12

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	25	--	25
p/m-Xylene	ND		ug/l	25	--	25
o-Xylene	ND		ug/l	25	--	25
XYLENE (TOTAL)	ND		ug/l	25	--	25
cis-1,2-Dichloroethene	66		ug/l	12	--	25
Dibromomethane	ND		ug/l	120	--	25
1,2,3-Trichloropropane	ND		ug/l	120	--	25
Styrene	ND		ug/l	25	--	25
Dichlorodifluoromethane	ND		ug/l	120	--	25
Acetone	ND		ug/l	120	--	25
Carbon disulfide	ND		ug/l	120	--	25
2-Butanone	ND		ug/l	120	--	25
4-Methyl-2-pentanone	ND		ug/l	120	--	25
2-Hexanone	ND		ug/l	120	--	25
Acrylonitrile	ND		ug/l	120	--	25
Tetrahydrofuran	ND		ug/l	120	--	25
2,2-Dichloropropane	ND		ug/l	62	--	25
1,2-Dibromoethane	ND		ug/l	50	--	25
1,3-Dichloropropane	ND		ug/l	62	--	25
1,1,1,2-Tetrachloroethane	ND		ug/l	12	--	25
Bromobenzene	ND		ug/l	62	--	25
n-Butylbenzene	ND		ug/l	12	--	25
sec-Butylbenzene	ND		ug/l	12	--	25
tert-Butylbenzene	ND		ug/l	62	--	25
o-Chlorotoluene	ND		ug/l	62	--	25
p-Chlorotoluene	ND		ug/l	62	--	25
1,2-Dibromo-3-chloropropane	ND		ug/l	62	--	25
Hexachlorobutadiene	ND		ug/l	15	--	25
Isopropylbenzene	ND		ug/l	12	--	25
p-Isopropyltoluene	ND		ug/l	12	--	25
Naphthalene	ND		ug/l	62	--	25
n-Propylbenzene	ND		ug/l	12	--	25
1,2,3-Trichlorobenzene	ND		ug/l	62	--	25
1,2,4-Trichlorobenzene	ND		ug/l	62	--	25
1,3,5-Trimethylbenzene	ND		ug/l	62	--	25
1,2,4-Trimethylbenzene	ND		ug/l	62	--	25
trans-1,4-Dichloro-2-butene	ND		ug/l	62	--	25
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	50	--	25

Project Name: RISDON **Lab Number:** L1221408

Project Number: 97001.01 **Report Date:** 12/05/12

SAMPLE RESULTS

Lab ID: L1221408-03 D Date Collected: 11/27/12 08:00

Client ID: DUPLICATE Date Received: 11/28/12

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	88		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	108		70-130

Project Name: RISDON
Project Number: 97001.01
Lab Number: L1221408
Report Date: 12/05/12

SAMPLE RESULTS

Lab ID:	L1221408-04	Date Collected:	11/27/12 15:30
Client ID:	EB-01	Date Received:	11/28/12
Sample Location:	DANBURY, CT	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	77,8260C		
Analytical Date:	11/30/12 15:43		
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:** L1221408

Project Number: 97001.01 **Report Date:** 12/05/12

SAMPLE RESULTS

Lab ID: L1221408-04 Date Collected: 11/27/12 15:30

Client ID: EB-01 Date Received: 11/28/12

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
XYLENE (TOTAL)	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:** L1221408

Project Number: 97001.01 **Report Date:** 12/05/12

SAMPLE RESULTS

Lab ID:	L1221408-04	Date Collected:	11/27/12 15:30
Client ID:	EB-01	Date Received:	11/28/12
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	87		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	100		70-130

Project Name: RISDON
Project Number: 97001.01
Lab Number: L1221408
Report Date: 12/05/12

SAMPLE RESULTS

Lab ID:	L1221408-05	Date Collected:	11/27/12 00:00
Client ID:	TRIP BLANK	Date Received:	11/28/12
Sample Location:	DANBURY, CT	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	77,8260C		
Analytical Date:	11/30/12 12:28		
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:** L1221408

Project Number: 97001.01 **Report Date:** 12/05/12

SAMPLE RESULTS

Lab ID: L1221408-05 Date Collected: 11/27/12 00:00

Client ID: TRIP BLANK Date Received: 11/28/12

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
XYLENE (TOTAL)	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:** L1221408

Project Number: 97001.01 **Report Date:** 12/05/12

SAMPLE RESULTS

Lab ID:	L1221408-05	Date Collected:	11/27/12 00:00
Client ID:	TRIP BLANK	Date Received:	11/28/12
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	83		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	98		70-130

Project Name: RISDON **Lab Number:** L1221408

Project Number: 97001.01 **Report Date:** 12/05/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8260C
Analytical Date: 11/30/12 10:50
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Volatile Organics - Westborough Lab for sample(s): 01-05 Batch: WG576849-3					
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:** L1221408

Project Number: 97001.01 **Report Date:** 12/05/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8260C
Analytical Date: 11/30/12 10:50
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Volatile Organics - Westborough Lab for sample(s): 01-05 Batch: WG576849-3					
Methyl tert butyl ether	ND		ug/l	1.0	--
p/m-Xylene	ND		ug/l	1.0	--
o-Xylene	ND		ug/l	1.0	--
XYLENE (TOTAL)	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	--

Project Name: RISDON
Project Number: 97001.01

Lab Number: L1221408
Report Date: 12/05/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8260C
Analytical Date: 11/30/12 10:50
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Volatile Organics - Westborough Lab for sample(s): 01-05 Batch: WG576849-3					
n-Propylbenzene	ND		ug/l	0.50	--
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	85		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON

Project Number: 97001.01

Lab Number:

Report Date:

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD
CT RCP Volatile Organics - Westborough Lab Associated sample(s): 01-05 Batch: WG576849-1 WG576849-2						
Methylene chloride	107		104		70-130	3
1,1-Dichloroethane	96		91		70-130	5
Chloroform	102		99		70-130	3
Carbon tetrachloride	100		92		70-130	8
1,2-Dichloropropane	96		92		70-130	4
Dibromochloromethane	88		90		70-130	2
1,1,2-Trichloroethane	87		88		70-130	1
Tetrachloroethene	95		89		70-130	7
Chlorobenzene	89		88		70-130	1
Trichlorofluoromethane	113		102		70-130	10
1,2-Dichloroethane	95		94		70-130	1
1,1,1-Trichloroethane	100		93		70-130	7
Bromodichloromethane	97		94		70-130	3
trans-1,3-Dichloropropene	79		79		70-130	0
cis-1,3-Dichloropropene	93		92		70-130	1
1,1-Dichloropropene	103		93		70-130	10
Bromoform	76		77		54-136	1
1,1,2,2-Tetrachloroethane	77		80		70-130	4
Benzene	101		97		70-130	4
Toluene	87		86		70-130	1
Ethylbenzene	87		85		70-130	2

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON

Project Number: 97001.01

Lab Number:

Report Date:

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD
CT RCP Volatile Organics - Westborough Lab Associated sample(s): 01-05 Batch: WG576849-1 WG576849-2						
Chloromethane	113		108		64-130	5
Bromomethane	101		97		39-139	4
Vinyl chloride	113		104		70-130	8
Chloroethane	100		97		70-130	3
1,1-Dichloroethene	110		103		70-130	7
trans-1,2-Dichloroethene	109		102		70-130	7
Trichloroethene	106		99		70-130	7
1,2-Dichlorobenzene	83		82		70-130	1
1,3-Dichlorobenzene	83		81		70-130	2
1,4-Dichlorobenzene	83		81		70-130	2
Methyl tert butyl ether	95		94		70-130	1
p/m-Xylene	90		88		70-130	2
o-Xylene	90		89		70-130	1
cis-1,2-Dichloroethene	105		101		70-130	4
Dibromomethane	103		100		70-130	3
1,2,3-Trichloropropane	77		75		70-130	3
Styrene	92		90		70-130	2
Dichlorodifluoromethane	129		114		36-147	12
Acetone	96		98		58-148	2
Carbon disulfide	103		95		51-130	8
2-Butanone	103		104		63-138	1

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON

Project Number: 97001.01

Lab Number:

Report Date:

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD
CT RCP Volatile Organics - Westborough Lab Associated sample(s): 01-05 Batch: WG576849-1 WG576849-2						
4-Methyl-2-pentanone	98		99		59-130	1
2-Hexanone	85		84		57-130	1
Acrylonitrile	90		90		70-130	0
Tetrahydrofuran	97		100		70-130	3
2,2-Dichloropropane	94		87		63-133	8
1,2-Dibromoethane	88		88		70-130	0
1,3-Dichloropropane	86		88		70-130	2
1,1,1,2-Tetrachloroethane	87		87		70-130	0
Bromobenzene	84		81		70-130	4
n-Butylbenzene	75		72		70-130	4
sec-Butylbenzene	74		70		70-130	6
tert-Butylbenzene	77		73		70-130	5
o-Chlorotoluene	78		74		70-130	5
p-Chlorotoluene	76		75		70-130	1
1,2-Dibromo-3-chloropropane	76		73		41-144	4
Hexachlorobutadiene	77		74		70-130	4
Isopropylbenzene	84		84		70-130	0
p-Isopropyltoluene	76		72		70-130	5
Naphthalene	87		87		70-130	0
n-Propylbenzene	76		71		70-130	7
1,2,3-Trichlorobenzene	89		86		70-130	3

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON

Project Number: 97001.01

Lab Number:

Report Date:

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD
CT RCP Volatile Organics - Westborough Lab Associated sample(s): 01-05 Batch: WG576849-1 WG576849-2						
1,2,4-Trichlorobenzene	82		79		70-130	4
1,3,5-Trimethylbenzene	76		74		70-130	3
1,2,4-Trimethylbenzene	78		77		70-130	1
trans-1,4-Dichloro-2-butene	**66**	Q	**68**	Q	70-130	3
1,1,2-Trichloro-1,2,2-Trifluoroethane	121		106		70-130	13

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	89		89		70-130
Toluene-d8	89		91		70-130
4-Bromofluorobenzene	88		90		70-130
Dibromofluoromethane	108		104		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.01

Lab Number:
Report Date:

CT RCP Volatile Organics - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG576849-4 WG576849-5 QC Sample: L12214 DPMW-1

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits
Methylene chloride	ND	10	11	111		12	116		70-130
1,1-Dichloroethane	2.2	10	13	106		13	107		70-130
Chloroform	ND	10	11	107		11	113		70-130
Carbon tetrachloride	ND	10	11	112		11	114		70-130
1,2-Dichloropropane	ND	10	9.6	96		10	100		70-130
Dibromochloromethane	ND	10	8.6	86		10	100		70-130
1,1,2-Trichloroethane	ND	10	8.8	88		10	102		70-130
Tetrachloroethene	ND	10	11	107		11	109		70-130
Chlorobenzene	ND	10	9.2	92		10	101		70-130
Trichlorofluoromethane	ND	10	13	129		13	**133**	Q	70-130
1,2-Dichloroethane	ND	10	9.8	98		10	103		70-130
1,1,1-Trichloroethane	2.0	10	13	112		14	116		70-130
Bromodichloromethane	ND	10	9.7	97		11	108		70-130
trans-1,3-Dichloropropene	ND	10	7.5	75		8.5	85		70-130
cis-1,3-Dichloropropene	ND	10	8.9	89		9.8	98		70-130
1,1-Dichloropropene	ND	10	11	109		12	117		70-130
Bromoform	ND	10	7.3	73		9.6	96		54-136
1,1,2,2-Tetrachloroethane	ND	10	8.2	82		9.8	98		70-130
Benzene	ND	10	11	107		11	111		70-130
Toluene	ND	10	9.2	92		9.7	98		70-130
Ethylbenzene	ND	10	9.1	91		9.7	97		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.01

Lab Number:
Report Date:

CT RCP Volatile Organics - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG576849-4 WG576849-5 QC Sample: L12214 DPMW-1

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits
Chloromethane	ND	10	12	122		13	128		64-130
Bromomethane	ND	10	10	100		12	118		39-139
Vinyl chloride	5.9	10	19	**133**	Q	20	**138**	Q	70-130
Chloroethane	ND	10	11	106		11	114		70-130
1,1-Dichloroethene	4.7	10	18	**133**	Q	18	**136**	Q	70-130
trans-1,2-Dichloroethene	ND	10	12	122		13	129		70-130
Trichloroethene	3.0	10	15	116		16	126		70-130
1,2-Dichlorobenzene	ND	10	9.2	92		10	100		70-130
1,3-Dichlorobenzene	ND	10	9.2	92		9.8	98		70-130
1,4-Dichlorobenzene	ND	10	9.1	91		9.7	97		70-130
Methyl tert butyl ether	ND	10	9.8	98		10	103		70-130
p/m-Xylene	ND	20	18	92		20	100		70-130
o-Xylene	ND	20	18	92		20	100		70-130
cis-1,2-Dichloroethene	100	10	130E	**261**	QE	120E	**243**	QE	70-130
Dibromomethane	ND	10	10	102		11	113		70-130
1,2,3-Trichloropropane	ND	10	8.1	81		9.4	94		70-130
Styrene	ND	20	18	92		21	104		70-130
Dichlorodifluoromethane	ND	10	14	145		15	**151**	Q	36-147
Acetone	ND	10	5.9	59		5.9	59		58-148
Carbon disulfide	ND	10	12	117		12	121		51-130
2-Butanone	ND	10	7.5	75		8.7	87		63-138

Matrix Spike Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.01

Lab Number:
Report Date:

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits
CT RCP Volatile Organics - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG576849-4 WG576849-5 QC Sample: L12214 DPMW-1									
4-Methyl-2-pentanone	ND	10	9.4	94		11	113		59-130
2-Hexanone	ND	10	6.8	68		7.9	79		57-130
Acrylonitrile	ND	10	9.0	90		10	100		70-130
Tetrahydrofuran	ND	10	10	103		11	111		70-130
2,2-Dichloropropane	ND	10	8.8	88		9.2	92		63-133
1,2-Dibromoethane	ND	10	8.5	85		9.8	98		70-130
1,3-Dichloropropane	ND	10	8.7	87		9.8	98		70-130
1,1,1,2-Tetrachloroethane	ND	10	9.0	90		10	100		70-130
Bromobenzene	ND	10	9.2	92		9.8	99		70-130
n-Butylbenzene	ND	10	8.5	85		8.8	88		70-130
sec-Butylbenzene	ND	10	8.5	85		8.9	89		70-130
tert-Butylbenzene	ND	10	8.8	88		9.6	96		70-130
o-Chlorotoluene	ND	10	8.6	86		9.2	92		70-130
p-Chlorotoluene	ND	10	8.3	83		9.1	91		70-130
1,2-Dibromo-3-chloropropane	ND	10	7.3	73		9.3	93		41-144
Hexachlorobutadiene	ND	10	8.1	81		8.9	89		70-130
Isopropylbenzene	ND	10	9.1	91		9.8	98		70-130
p-Isopropyltoluene	ND	10	8.6	86		9.2	92		70-130
Naphthalene	ND	10	8.0	80		10	100		70-130
n-Propylbenzene	ND	10	8.5	85		9.2	92		70-130
1,2,3-Trichlorobenzene	ND	10	8.8	88		10	100		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: RISDON

Project Number: 97001.01

Lab Number:

Report Date:

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits
CT RCP Volatile Organics - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG576849-4 WG576849-5 QC Sample: L12214 DPMW-1									
1,2,4-Trichlorobenzene	ND	10	8.2	82		9.4	94		70-130
1,3,5-Trimethylbenzene	ND	10	8.4	84		9.0	90		70-130
1,2,4-Trimethylbenzene	ND	10	8.6	86		9.4	94		70-130
trans-1,4-Dichloro-2-butene	ND	10	6.8	**68**	Q	8.0	80		70-130
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	13	**134**	Q	14	**140**	Q	70-130

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		88		70-130
4-Bromofluorobenzene	93		95		70-130
Dibromofluoromethane	109		109		70-130
Toluene-d8	87		87		70-130

METALS

Project Name: RISDON
Project Number: 97001.01
Lab Number: L1221408
Report Date: 12/05/12

SAMPLE RESULTS

Lab ID: L1221408-01
Client ID: MW-703
Sample Location: DANBURY, CT
Matrix: Water

Date Collected: 11/27/12 12:00
Date Received: 11/28/12
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	0.050	--	1	11/29/12 10:16	11/29/12 17:49	EPA 3005A	77,6010C	BM
Arsenic, Total	ND		mg/l	0.0010	--	2	11/29/12 10:16	12/03/12 21:36	EPA 3005A	77,6020A	BM
Beryllium, Total	ND		mg/l	0.0010	--	2	11/29/12 10:16	12/03/12 21:36	EPA 3005A	77,6020A	BM
Cadmium, Total	ND		mg/l	0.005	--	1	11/29/12 10:16	11/29/12 17:49	EPA 3005A	77,6010C	BM
Chromium, Total	ND		mg/l	0.01	--	1	11/29/12 10:16	11/29/12 17:49	EPA 3005A	77,6010C	BM
Copper, Total	ND		mg/l	0.010	--	1	11/29/12 10:16	11/29/12 17:49	EPA 3005A	77,6010C	BM
Lead, Total	ND		mg/l	0.010	--	1	11/29/12 10:16	11/29/12 17:49	EPA 3005A	77,6010C	BM
Mercury, Total	ND		mg/l	0.0002	--	1	11/30/12 15:40	12/03/12 21:23	EPA 7470A	77,7470A	JH
Nickel, Total	ND		mg/l	0.025	--	1	11/29/12 10:16	11/29/12 17:49	EPA 3005A	77,6010C	BM
Selenium, Total	ND		mg/l	0.010	--	1	11/29/12 10:16	11/29/12 17:49	EPA 3005A	77,6010C	BM
Silver, Total	ND		mg/l	0.007	--	1	11/29/12 10:16	11/29/12 17:49	EPA 3005A	77,6010C	BM
Thallium, Total	ND		mg/l	0.020	--	1	11/29/12 10:16	11/29/12 17:49	EPA 3005A	77,6010C	BM
Zinc, Total	ND		mg/l	0.050	--	1	11/29/12 10:16	11/29/12 17:49	EPA 3005A	77,6010C	BM

Project Name: RISDON
Project Number: 97001.01
Lab Number: L1221408
Report Date: 12/05/12

SAMPLE RESULTS

Lab ID: L1221408-02
Client ID: DPMW-1
Sample Location: DANBURY, CT
Matrix: Water

Date Collected: 11/27/12 13:20
Date Received: 11/28/12
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	0.050	--	1	11/29/12 10:16	11/29/12 17:28	EPA 3005A	77,6010C	BM
Arsenic, Total	0.0015		mg/l	0.0005	--	1	11/29/12 10:16	12/03/12 21:12	EPA 3005A	77,6020A	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	11/29/12 10:16	12/03/12 21:12	EPA 3005A	77,6020A	BM
Cadmium, Total	ND		mg/l	0.005	--	1	11/29/12 10:16	11/29/12 17:28	EPA 3005A	77,6010C	BM
Chromium, Total	ND		mg/l	0.01	--	1	11/29/12 10:16	11/29/12 17:28	EPA 3005A	77,6010C	BM
Copper, Total	ND		mg/l	0.010	--	1	11/29/12 10:16	11/29/12 17:28	EPA 3005A	77,6010C	BM
Lead, Total	ND		mg/l	0.010	--	1	11/29/12 10:16	11/29/12 17:28	EPA 3005A	77,6010C	BM
Mercury, Total	ND		mg/l	0.0002	--	1	11/30/12 15:40	12/03/12 21:24	EPA 7470A	77,7470A	JH
Nickel, Total	ND		mg/l	0.025	--	1	11/29/12 10:16	11/29/12 17:28	EPA 3005A	77,6010C	BM
Selenium, Total	ND		mg/l	0.010	--	1	11/29/12 10:16	11/29/12 17:28	EPA 3005A	77,6010C	BM
Silver, Total	ND		mg/l	0.007	--	1	11/29/12 10:16	11/29/12 17:28	EPA 3005A	77,6010C	BM
Thallium, Total	ND		mg/l	0.020	--	1	11/29/12 10:16	11/29/12 17:28	EPA 3005A	77,6010C	BM
Zinc, Total	ND		mg/l	0.050	--	1	11/29/12 10:16	11/29/12 17:28	EPA 3005A	77,6010C	BM

Project Name: RISDON
Project Number: 97001.01
Lab Number: L1221408
Report Date: 12/05/12

SAMPLE RESULTS

Lab ID: L1221408-03
Client ID: DUPLICATE
Sample Location: DANBURY, CT
Matrix: Water

Date Collected: 11/27/12 08:00
Date Received: 11/28/12
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	0.050	--	1	11/29/12 10:16	11/29/12 17:53	EPA 3005A	77,6010C	BM
Arsenic, Total	ND		mg/l	0.0010	--	2	11/29/12 10:16	12/03/12 21:43	EPA 3005A	77,6020A	BM
Beryllium, Total	ND		mg/l	0.0010	--	2	11/29/12 10:16	12/03/12 21:43	EPA 3005A	77,6020A	BM
Cadmium, Total	ND		mg/l	0.005	--	1	11/29/12 10:16	11/29/12 17:53	EPA 3005A	77,6010C	BM
Chromium, Total	ND		mg/l	0.01	--	1	11/29/12 10:16	11/29/12 17:53	EPA 3005A	77,6010C	BM
Copper, Total	ND		mg/l	0.010	--	1	11/29/12 10:16	11/29/12 17:53	EPA 3005A	77,6010C	BM
Lead, Total	ND		mg/l	0.010	--	1	11/29/12 10:16	11/29/12 17:53	EPA 3005A	77,6010C	BM
Mercury, Total	ND		mg/l	0.0002	--	1	11/30/12 15:40	12/03/12 21:30	EPA 7470A	77,7470A	JH
Nickel, Total	ND		mg/l	0.025	--	1	11/29/12 10:16	11/29/12 17:53	EPA 3005A	77,6010C	BM
Selenium, Total	ND		mg/l	0.010	--	1	11/29/12 10:16	11/29/12 17:53	EPA 3005A	77,6010C	BM
Silver, Total	ND		mg/l	0.007	--	1	11/29/12 10:16	11/29/12 17:53	EPA 3005A	77,6010C	BM
Thallium, Total	ND		mg/l	0.020	--	1	11/29/12 10:16	11/29/12 17:53	EPA 3005A	77,6010C	BM
Zinc, Total	ND		mg/l	0.050	--	1	11/29/12 10:16	11/29/12 17:53	EPA 3005A	77,6010C	BM

Project Name: RISDON
Project Number: 97001.01
Lab Number: L1221408
Report Date: 12/05/12

SAMPLE RESULTS

Lab ID: L1221408-04
Client ID: EB-01
Sample Location: DANBURY, CT
Matrix: Water

Date Collected: 11/27/12 15:30
Date Received: 11/28/12
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	0.050	--	1	11/29/12 10:16	11/29/12 17:56	EPA 3005A	77,6010C	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	11/29/12 10:16	12/03/12 21:05	EPA 3005A	77,6020A	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	11/29/12 10:16	12/03/12 21:05	EPA 3005A	77,6020A	BM
Cadmium, Total	ND		mg/l	0.005	--	1	11/29/12 10:16	11/29/12 17:56	EPA 3005A	77,6010C	BM
Chromium, Total	ND		mg/l	0.01	--	1	11/29/12 10:16	11/29/12 17:56	EPA 3005A	77,6010C	BM
Copper, Total	ND		mg/l	0.010	--	1	11/29/12 10:16	11/29/12 17:56	EPA 3005A	77,6010C	BM
Lead, Total	ND		mg/l	0.010	--	1	11/29/12 10:16	11/29/12 17:56	EPA 3005A	77,6010C	BM
Mercury, Total	ND		mg/l	0.0002	--	1	11/30/12 15:40	12/03/12 21:32	EPA 7470A	77,7470A	JH
Nickel, Total	ND		mg/l	0.025	--	1	11/29/12 10:16	11/29/12 17:56	EPA 3005A	77,6010C	BM
Selenium, Total	ND		mg/l	0.010	--	1	11/29/12 10:16	11/29/12 17:56	EPA 3005A	77,6010C	BM
Silver, Total	ND		mg/l	0.007	--	1	11/29/12 10:16	11/29/12 17:56	EPA 3005A	77,6010C	BM
Thallium, Total	ND		mg/l	0.020	--	1	11/29/12 10:16	11/29/12 17:56	EPA 3005A	77,6010C	BM
Zinc, Total	ND		mg/l	0.050	--	1	11/29/12 10:16	11/29/12 17:56	EPA 3005A	77,6010C	BM

Project Name: RISDON **Lab Number:** L1221408

Project Number: 97001.01 **Report Date:** 12/05/12

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): 01-04 Batch: WG576304-1										
Antimony, Total	ND		mg/l	0.050	--	1	11/29/12 10:16	11/29/12 17:22	77,6010C	BM
Cadmium, Total	ND		mg/l	0.005	--	1	11/29/12 10:16	11/29/12 17:22	77,6010C	BM
Chromium, Total	ND		mg/l	0.01	--	1	11/29/12 10:16	11/29/12 17:22	77,6010C	BM
Copper, Total	ND		mg/l	0.010	--	1	11/29/12 10:16	11/29/12 17:22	77,6010C	BM
Lead, Total	ND		mg/l	0.010	--	1	11/29/12 10:16	11/29/12 17:22	77,6010C	BM
Nickel, Total	ND		mg/l	0.025	--	1	11/29/12 10:16	11/29/12 17:22	77,6010C	BM
Selenium, Total	ND		mg/l	0.010	--	1	11/29/12 10:16	11/29/12 17:22	77,6010C	BM
Silver, Total	ND		mg/l	0.007	--	1	11/29/12 10:16	11/29/12 17:22	77,6010C	BM
Thallium, Total	ND		mg/l	0.020	--	1	11/29/12 10:16	11/29/12 17:22	77,6010C	BM
Zinc, Total	ND		mg/l	0.050	--	1	11/29/12 10:16	11/29/12 17:22	77,6010C	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): 01-04 Batch: WG576306-1										
Arsenic, Total	ND		mg/l	0.0005	--	1	11/29/12 10:16	12/03/12 20:40	77,6020A	BM
Beryllium, Total	ND		mg/l	0.0005	--	1	11/29/12 10:16	12/03/12 20:40	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): 01-04 Batch: WG576625-1										
Mercury, Total	ND		mg/l	0.0002	--	1	11/30/12 15:40	12/03/12 21:16	77,7470A	JH

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON

Project Number: 97001.01

Lab Number:

Report Date:

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual
CT RCP Total Metals - Westborough Lab Associated sample(s): 01-04 Batch: WG576304-2							
Antimony, Total	114		-		80-120	-	
Cadmium, Total	120		-		80-120	-	
Chromium, Total	115		-		80-120	-	
Copper, Total	112		-		80-120	-	
Lead, Total	116		-		80-120	-	
Nickel, Total	107		-		80-120	-	
Selenium, Total	**123**	Q	-		80-120	-	
Silver, Total	112		-		80-120	-	
Thallium, Total	118		-		80-120	-	
Zinc, Total	110		-		80-120	-	
CT RCP Total Metals - Westborough Lab Associated sample(s): 01-04 Batch: WG576306-2							
Arsenic, Total	113		-		80-120	-	
Beryllium, Total	101		-		80-120	-	
CT RCP Total Metals - Westborough Lab Associated sample(s): 01-04 Batch: WG576625-2							
Mercury, Total	94		-		80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.01

Lab Number:
Report Date:

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits
CT RCP Total Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG576304-3 WG576304-4 QC Sample: L1221408-02 DPMW-1									
Antimony, Total	ND	0.5	0.594	119		0.593	119		75-125
Cadmium, Total	ND	0.051	0.060	117		0.060	118		75-125
Chromium, Total	ND	0.2	0.22	110		0.22	110		75-125
Copper, Total	ND	0.25	0.274	110		0.274	110		75-125
Lead, Total	ND	0.51	0.559	110		0.564	110		75-125
Nickel, Total	ND	0.5	0.514	103		0.517	103		75-125
Selenium, Total	ND	0.12	0.145	121		0.148	123		75-125
Silver, Total	ND	0.05	0.055	110		0.055	111		75-125
Thallium, Total	ND	0.12	0.127	106		0.128	107		75-125
Zinc, Total	ND	0.5	0.556	111		0.559	112		75-125
CT RCP Total Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG576306-3 WG576306-4 QC Sample: L1221408-02 DPMW-1									
Arsenic, Total	0.0015	0.12	0.1379	114		0.1387	114		75-125
Beryllium, Total	ND	0.05	0.0506	101		0.0510	102		75-125
CT RCP Total Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG576625-3 WG576625-4 QC Sample: L1221408-02 DPMW-1									
Mercury, Total	ND	0.001	0.0013	**135**	Q	0.0013	**134**	Q	75-125

INORGANICS
&
MISCELLANEOUS

Project Name: RISDON
Project Number: 97001.01

Lab Number: L1221408
Report Date: 12/05/12

SAMPLE RESULTS

Lab ID: L1221408-01
Client ID: MW-703
Sample Location: DANBURY, CT
Matrix: Water

Date Collected: 11/27/12 12:00
Date Received: 11/28/12
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	11/29/12 11:02	11/30/12 13:25	77,9014	JO

Project Name: RISDON
Project Number: 97001.01

Lab Number: L1221408
Report Date: 12/05/12

SAMPLE RESULTS

Lab ID: L1221408-02
Client ID: DPMW-1
Sample Location: DANBURY, CT
Matrix: Water

Date Collected: 11/27/12 13:20
Date Received: 11/28/12
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	11/29/12 11:02	11/30/12 13:26	77,9014	JO

Project Name: RISDON
Project Number: 97001.01

Lab Number: L1221408
Report Date: 12/05/12

SAMPLE RESULTS

Lab ID: L1221408-03
Client ID: DUPLICATE
Sample Location: DANBURY, CT
Matrix: Water

Date Collected: 11/27/12 08:00
Date Received: 11/28/12
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	11/29/12 11:02	11/30/12 13:28	77,9014	JO

Project Name: RISDON
Project Number: 97001.01

Lab Number: L1221408
Report Date: 12/05/12

SAMPLE RESULTS

Lab ID: L1221408-04
Client ID: EB-01
Sample Location: DANBURY, CT
Matrix: Water

Date Collected: 11/27/12 15:30
Date Received: 11/28/12
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	11/29/12 11:02	11/30/12 13:29	77,9014	JO

Project Name: RISDON **Lab Number:** L1221408

Project Number: 97001.01 **Report Date:** 12/05/12

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: WG576297-1										
Cyanide, Total	ND		mg/l	0.005	--	1	11/29/12 11:02	11/30/12 13:17	77,9014	JO

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON

Project Number: 97001.01

Lab Number:

Report Date:

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual
CT RCP General Chemistry - Westborough Lab Associated sample(s): 01-04 Batch: WG576297-2 WG576297-3							
Cyanide, Total	108		112		80-120	4	

Matrix Spike Analysis
Batch Quality Control

Project Name: RISDON

Project Number: 97001.01

Lab Number:

Report Date:

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits
CT RCP General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG576297-4 WG576297-5 QC Sample: L12214 ID: DPMW-1									
Cyanide, Total	ND	0.2	0.222	111		0.217	108		75-125

Project Name: RISDON
Project Number: 97001.01

Lab Number: L1221408
Report Date: 12/05/12

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(*)
L1221408-01A	Vial HCl preserved	A	N/A	3.4	Y	Absent	CT-8260(14)
L1221408-01B	Vial HCl preserved	A	N/A	3.4	Y	Absent	CT-8260(14)
L1221408-01C	Vial HCl preserved	A	N/A	3.4	Y	Absent	CT-8260(14)
L1221408-01D	Plastic 250ml NaOH preserved	A	>12	3.4	Y	Absent	CT-TCN-9014(14)
L1221408-01E	Plastic 250ml HNO3 preserved	A	<2	3.4	Y	Absent	CT-AG-6010T(180),CT-AS-6020T(180),CT-CU-6010T(180),CT-SB-6010T(180),CT-SE-6010T(180),CT-HG-7470T(28),CT-BE-6020T(180),CT-NI-6010T(180),CT-PB-6010T(180),CT-CR-6010T(180),CT-ZN-6010T(180),CT-CD-6010T(180),CT-TL-6010T(180)
L1221408-02A	Vial HCl preserved	A	N/A	3.4	Y	Absent	CT-8260(14)
L1221408-02B	Vial HCl preserved	A	N/A	3.4	Y	Absent	CT-8260(14)
L1221408-02C	Vial HCl preserved	A	N/A	3.4	Y	Absent	CT-8260(14)
L1221408-02D	Vial HCl preserved	A	N/A	3.4	Y	Absent	CT-8260(14)
L1221408-02E	Vial HCl preserved	A	N/A	3.4	Y	Absent	CT-8260(14),CT-SB-6010T(180),CT-TL-6010T(180)
L1221408-02F	Vial HCl preserved	A	N/A	3.4	Y	Absent	CT-8260(14)
L1221408-02G	Vial HCl preserved	A	N/A	3.4	Y	Absent	CT-8260(14)
L1221408-02H	Vial HCl preserved	A	N/A	3.4	Y	Absent	CT-8260(14)
L1221408-02I	Vial HCl preserved	A	N/A	3.4	Y	Absent	CT-8260(14)
L1221408-02J	Plastic 250ml NaOH preserved	A	>12	3.4	Y	Absent	CT-TCN-9014(14)
L1221408-02K	Plastic 250ml NaOH preserved	A	>12	3.4	Y	Absent	CT-TCN-9014(14)
L1221408-02L	Plastic 250ml NaOH preserved	A	>12	3.4	Y	Absent	CT-TCN-9014(14)

*Values in parentheses indicate holding time in days

Project Name: RISDON
Project Number: 97001.01

Lab Number: L1221408
Report Date: 12/05/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1221408-02M	Plastic 250ml HNO3 preserved	A	<2	3.4	Y	Absent	CT-AG-6010T(180),CT-AS-6020T(180),CT-CU-6010T(180),CT-SE-6010T(180),CT-HG-7470T(28),CT-BE-6020T(180),CT-NI-6010T(180),CT-PB-6010T(180),CT-CR-6010T(180),CT-ZN-6010T(180),CT-CD-6010T(180)
L1221408-02N	Plastic 250ml HNO3 preserved	A	<2	3.4	Y	Absent	CT-AG-6010T(180),CT-AS-6020T(180),CT-CU-6010T(180),CT-SE-6010T(180),CT-HG-7470T(28),CT-BE-6020T(180),CT-NI-6010T(180),CT-PB-6010T(180),CT-CR-6010T(180),CT-ZN-6010T(180),CT-CD-6010T(180)
L1221408-02O	Plastic 250ml HNO3 preserved	A	<2	3.4	Y	Absent	CT-AG-6010T(180),CT-AS-6020T(180),CT-CU-6010T(180),CT-SE-6010T(180),CT-HG-7470T(28),CT-BE-6020T(180),CT-NI-6010T(180),CT-PB-6010T(180),CT-CR-6010T(180),CT-ZN-6010T(180),CT-CD-6010T(180)
L1221408-03A	Vial HCl preserved	A	N/A	3.4	Y	Absent	CT-8260(14)
L1221408-03B	Vial HCl preserved	A	N/A	3.4	Y	Absent	CT-8260(14)
L1221408-03C	Vial HCl preserved	A	N/A	3.4	Y	Absent	CT-8260(14)
L1221408-03D	Plastic 250ml NaOH preserved	A	>12	3.4	Y	Absent	CT-TCN-9014(14)
L1221408-03E	Plastic 250ml HNO3 preserved	A	<2	3.4	Y	Absent	CT-AG-6010T(180),CT-AS-6020T(180),CT-CU-6010T(180),CT-SB-6010T(180),CT-SE-6010T(180),CT-HG-7470T(28),CT-BE-6020T(180),CT-NI-6010T(180),CT-PB-6010T(180),CT-CR-6010T(180),CT-ZN-6010T(180),CT-CD-6010T(180),CT-TL-6010T(180)
L1221408-04A	Vial HCl preserved	A	N/A	3.4	Y	Absent	CT-8260(14)
L1221408-04B	Vial HCl preserved	A	N/A	3.4	Y	Absent	CT-8260(14)
L1221408-04C	Vial HCl preserved	A	N/A	3.4	Y	Absent	CT-8260(14)
L1221408-04D	Plastic 250ml NaOH preserved	A	>12	3.4	Y	Absent	CT-TCN-9014(14)

*Values in parentheses indicate holding time in days

Project Name: RISDON
Project Number: 97001.01

Lab Number: L1221408
Report Date: 12/05/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1221408-04E	Plastic 250ml HNO3 preserved	A	<2	3.4	Y	Absent	CT-AG-6010T(180),CT-AS-6020T(180),CT-CU-6010T(180),CT-SB-6010T(180),CT-SE-6010T(180),CT-HG-7470T(28),CT-BE-6020T(180),CT-NI-6010T(180),CT-PB-6010T(180),CT-CR-6010T(180),CT-ZN-6010T(180),CT-CD-6010T(180),CT-TL-6010T(180)
L1221408-05A	Vial HCl preserved	A	N/A	3.4	Y	Absent	CT-8260(14)

*Values in parentheses indicate holding time in days

Project Name: RISDON **Lab Number:** L1221408

Project Number: 97001.01 **Report Date:** 12/05/12

GLOSSARY

Acronyms

EDL - Estimated 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 EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

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. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

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

Report Format: Data Usability Report

Project Name: RISDON **Lab Number:** L1221408

Project Number: 97001.01 **Report Date:** 12/05/12

Data Qualifiers

due to obvious interference.

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

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

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. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. 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 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:** L1221408
Project Number: 97001.01 **Report Date:** 12/05/12

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 August 16, 2012 - 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, Nickel, Selenium, Silver, Sodium, Thallium, 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) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

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, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

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, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

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, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223D, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8082, 8330, 8151A, 8260B, 8270C, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014A, 9030B, 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, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, 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, 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, SW-846 6010B, 6010C, 6020, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9030B, 9040B, 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, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260B, 8270C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082, 8082A, 8081A, 8081B, 8151A, 8330, 8270C-SIM, 8270D-SIM.)

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

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, 245.1, 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, 2340B, SM4500F-BC, EPA 200.7, 200.8, 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, 2540G, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9014, 9012A, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 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, 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, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

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

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7471A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, 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 (Inorganic Parameters: 200.7, 200.8, 245.2, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 3501., 350.2, 353.2, 420.1, 6010B, 6010C, 6020, 6020A, 7196A, 7470A, 9010B, 9030B, 9040B, Lachat 10-107-06-2-D, NJ-EPH, 2120B, 2310B, 2320B, 2340B, 2510C, 2540B, 2540C, 3500Cr-D, 436C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081A, 8081B, 8082, 8082A, 8151A, 8260B, 8270C, 8270D, 8330, 8015B,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010B, 6010C, 6020A, 7196A, 7471A, 7471B, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3630C, 5035, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
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, 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.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 2..08, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5035, 3540C, 3546, 3550, 3580, 3630C, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B 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, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 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. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-8193

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

Date Rec'd in Lab: 11-28-12

ALPHA Job #: L1221408

Client Information

Client: Woodard & Curran

Address: 35 new england business center drive Suite 180, Andover MA 01810

Phone: 978-557-8150

Fax: 978-557-7948

Email: CRockwell@woodardcurran.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Ridgton

Project Location: Danbury CT

Project #: 97001.01

Project Manager: Cathrine Rockwell

ALPHA Quote #:

Turn-Around Time

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

Date Due: 12-5-12 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 | Criteria See attached table

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)

See Attached for test methods / limits

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	VOCs (8260)	Total Cyanide	13 priority pollutant metals	Sample Specific Comments	Total # Bottles
21408-01	MW-703	11/27/12	1200	GW	GSR	X	X	X	* See attached	5
-02	DPMW-1 *	11/27/12	1320	GW	GSR	X	X	X	table for preferred	15
-03	Duplicate	11/27/12	800	GW	GSR	X	X	X	metals analysis	5
-04	EB-01	11/27/12	1530	DI H_2O	GSR	X	X	X		5
-05	Trip Blank	Lab provided.				X			* Extra volume for MS/MSD	1

Container Type																
Preservative						HCl	NaOH	HNO_3								

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	11/28/12 1750	[illegible]	11/28/12 1740
[illegible]		[illegible]	11-28-12 1740

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:12051212:46

Serial_No:12051212:46

TABLE 6-2b: GROUNDWATER CONTAMINANTS OF CONCERN - INORGANICS

Analytes	CAS Number	USEPA Analytical Method	Proposed Screening Level[1] (µg/L)	Laboratory IDL (µg/l)	Laboratory QL (µg/l)
Antimony	7440-36-0	6010B	86,000	25	50
Arsenic	7440-38-2	6020A	4	0.25	0.5
Beryllium	7440-41-7	6020A	4	3	5
Cadmium	7440-43-9	6010B	6	3	5
Chromium [2]	7440-47-3	6010B	--	5	10
Hexavalent Chromium	18540-29-9	7196A	110	5	10
Trivalent Chromium		--	1,200	NA - calculation	10
Copper	7440-50-8	6010B	48	5	10
Cyanide, amenable	57-12-5	9014	--	NA - calculation	10
Cyanide, total	57-12-5	9014	52	2.5	5
Lead	7439-92-1	6010B	13	5	10
Mercury	7439-97-6	7470A	0.4	0.1	0.2
Nickel	7440-02-0	6010B	880	13	25
Selenium	7782-49-2	6010B	50	5	10
Silver	7440-22-4	6010B	12	4	7
Thallium	7440-28-0	6010B	63	10	20
Zinc	7440-66-6	6010B	123	25	50

Notes:

1. The proposed screening levels are based on the Surface Water Protection Criteria (SWPC) of CTDEP Remediation Standard Regulations.
2. Screening levels for Chromium are based on the SWPC for Hexavalent and Trivalent Chromium. A value for Trivalent Chromium is developed by subtracting Hexavalent Chromium from the total Chromium result

IDL = Instrument Detection Limit

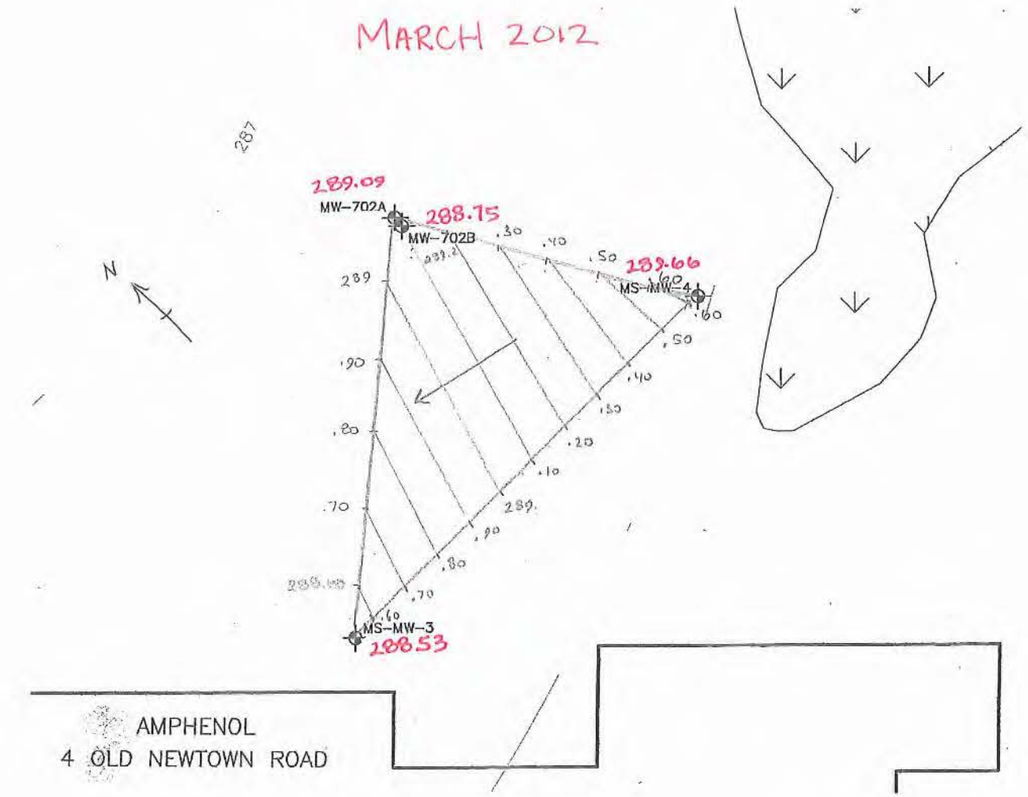
QLs = Laboratory's standard Quantitation Limits - unless otherwise noted, this is the reporting limit for the laboratory reports.

NA = Not applicable

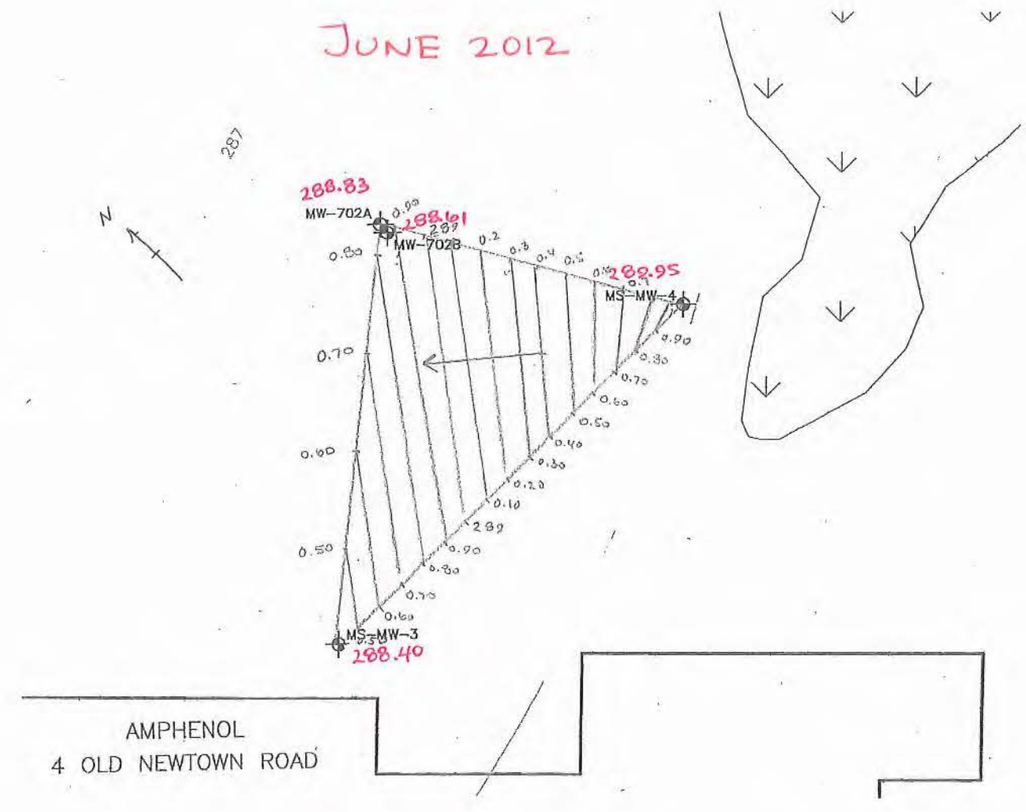
Parameter Tested	Test Method Preferred	Test Method Used
Total Metals (mg/kg)		
Arsenic	EPA 7060	EPA 6010 B
Barium	NE	EPA 6010
Cadmium	EPA 7060	EPA 6010 B
Chromium	EPA 6010B	EPA 6010 B
Cyanide	NE	EPA 9010 B
Lead	EPA 7241	EPA 6010 B
Mercury	EPA 7470A	EPA 7471 A
Selenium	NE	EPA 6010 B
Silver	NE	EPA 6010 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

ATTACHMENT E: 4 OLD NEWTOWN ROAD QUARTERLY GAUGING PLOTS

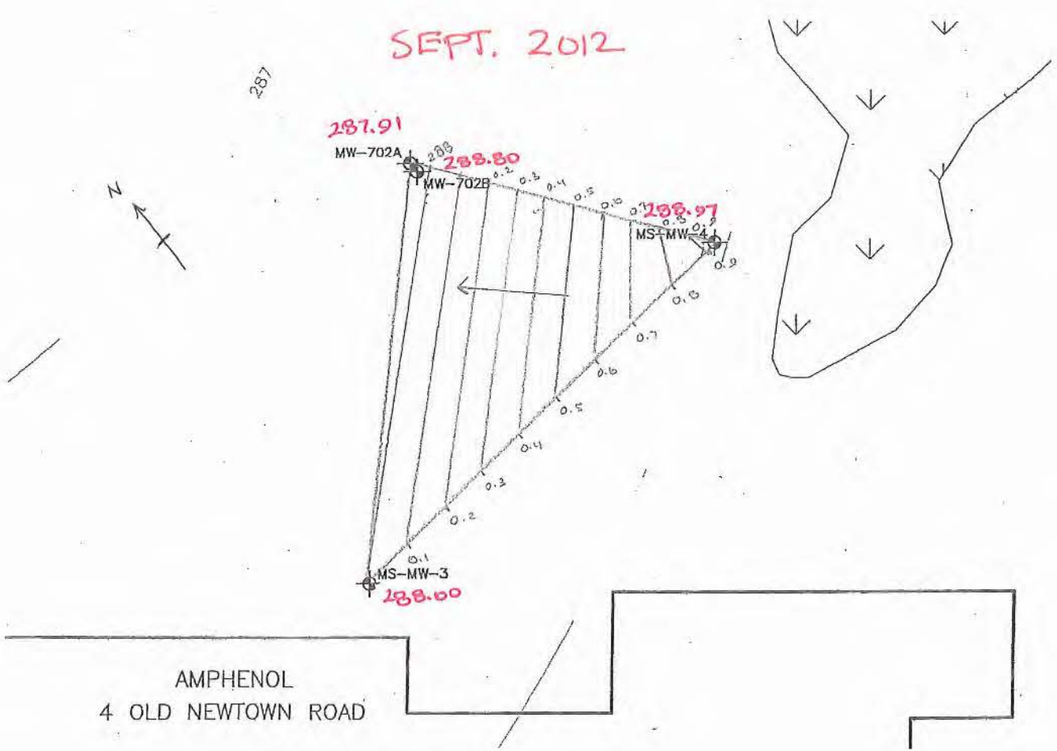
MARCH 2012



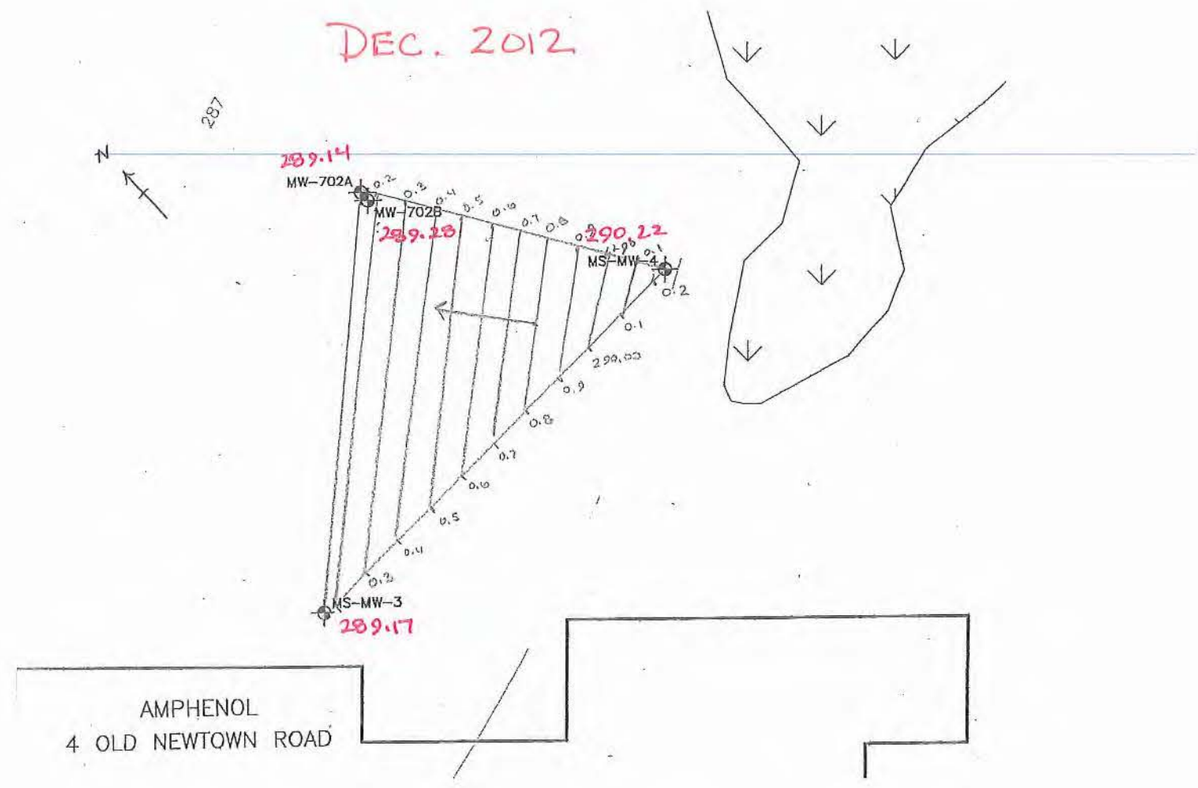
JUNE 2012



SEPT. 2012



DEC. 2012



ATTACHMENT F: SUMMARY OF GROUNDWATER LEVEL MEASUREMENTS – 2002 THROUGH 2012

ATTACHMENT F
SUMMARY OF GROUNDWATER LEVEL MEASUREMENTS - 2002 through 2012
Off-Property Status Update
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*	4/24/2002	3.48	303.50
		(prior to 8/27/07)	7/24/2002	3.51	303.47
		310.51	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
			3/21/2012	6.08	304.43
			9/17/2012	7.31	303.20
			12/10/2012	7.18	303.33
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
			3/21/2012	12.89	290.45
			9/17/2012	13.73	289.61
			12/10/2012	13.26	290.08

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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-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
			3/21/2012	12.04	289.85
			9/17/2012	13.06	288.83
			12/10/2012	14.30	287.59
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
			3/21/2012	12.98	290.53
			9/17/2012	14.22	289.29
			12/10/2012	14.40	289.11

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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-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
			3/21/2012	11.96	289.16
			9/17/2012	13.22	287.90
			12/10/2012	13.48	287.64
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
			3/21/2012	12.51	291.47
			9/17/2012	13.46	290.52
			12/10/2012	14.44	289.54

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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	NA
			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
			3/21/2012	11.75	292.40
			9/17/2012	13.00	291.15
			12/10/2012	13.36	290.79
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
			3/21/2012	13.70	290.40
			9/17/2012	15.30	288.80
			12/10/2012	15.50	288.60

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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-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	
			3/21/2012	13.30	288.75
			9/17/2012	14.40	287.65
			12/10/2012	14.68	287.37
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
			3/21/2012	11.95	289.19
			9/17/2012	13.20	287.94
			12/10/2012	11.34	289.80

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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-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
			3/21/2012	12.20	288.85
			9/17/2012	13.42	287.63
			12/10/2012	14.05	287.00
MW-12	267 - 287	303.13	4/24/2002	12.76	290.37
		(prior to 12/2/2011)	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	
		303.35	3/21/2012	14.41	288.94
			9/17/2012	15.45	287.90
			12/10/2012	15.57	287.78

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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
			3/21/2012	11.95	292.40
			12/10/2012	14.04	290.31
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
			3/21/2012	8.97	291.37
			9/17/2012	DRY	NA
			12/10/2012	Dry @9.95	NA
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
			3/21/2012	10.94	294.18
			12/10/2012	12.45	292.67

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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
			3/21/2012	8.60	295.87
			9/17/2012	9.83	294.64
			12/10/2012	11.76	292.71
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
			3/21/2012	11.66	291.77
			9/17/2012	12.61	290.82
			12/10/2012	12.75	290.68
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
			3/21/2012	11.35	291.04
			9/17/2012	12.32	290.07
			12/10/2012	12.36	290.03

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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
			3/21/2012	11.53	290.41
			9/17/2012	12.61	289.33
			12/10/2012	12.88	289.06
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
			3/21/2012	9.98	292.12
			9/17/2012	10.77	291.33
			12/10/2012	10.71	291.39

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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-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
			3/21/2012	13.21	290.37
			9/17/2012	14.09	289.49
			12/10/2012	14.25	289.33
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
			3/21/2012	8.08	296.67
			9/17/2012	8.80	295.95
			12/10/2012	9.72	295.03

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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-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
			3/21/2012	10.62	294.18
			9/17/2012	11.67	293.13
			12/10/2012	11.76	293.04
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
			3/21/2012	10.68	294.22
			9/17/2012	11.72	293.18
			12/10/2012	12.69	292.21

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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
			3/21/2012	11.27	293.13
			9/17/2012	11.20	293.20
			12/10/2012	12.08	292.32
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
			3/21/2012	13.02	291.48
			9/17/2012	13.49	291.01
			12/10/2012	Dry @ 13.72	NA

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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-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
			3/21/2012	11.84	293.16
			9/17/2012	12.47	292.53
			12/10/2012	13.31	291.69
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
			3/21/2012	10.11	294.39
			9/17/2012	10.67	293.83
			12/10/2012	11.88	292.62
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
			3/21/2012	7.01	298.19
			9/17/2012	8.94	296.26
			12/10/2012	9.05	296.15

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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-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
			3/21/2012	7.91	289.94
			9/17/2012	8.72	289.13
			12/10/2012	8.82	289.03
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
			3/21/2012	8.34	289.84
			9/17/2012	9.16	289.02
			12/10/2012	9.22	288.96

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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-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
			3/21/2012	12.37	290.27
			9/17/2012	13.19	289.45
			12/10/2012	13.81	288.83
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
			3/21/2012	11.70	290.58
			9/17/2012	12.73	289.55
			12/10/2012	12.73	289.55

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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
			3/21/2012	8.03	288.49
			9/17/2012	8.85	287.67
			12/10/2012	8.63	287.89
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	287.86
			3/21/2012	7.74	288.75
			9/17/2012	8.42	288.07
			12/10/2012	8.28	288.21
MS-MW-1A	283 - 288	294.05	7/24/2002	7.95	286.10
			10/14/2002	6.87	287.18
			9/4/2003	NM	NA
			9/10/2004	Well Not Located	
			9/27/2005	NM	NA
			8/1/2006	NM	NA
			8/13/2008	Well Not Located	
			9/15/2009	Well Not Located	
			8/3/2011	7.33	286.72
			3/21/2012	6.25	287.80
			9/17/2012	6.69	287.36
			12/10/2012	6.30	287.75

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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-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
			9/27/2005	NM	NA
			8/1/2006	NM	NA
			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
			3/21/2012	4.72	287.30
			9/17/2012	5.18	286.84
			12/10/2012	4.69	287.33
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
			9/27/2005	NM	NA
			8/1/2006	NM	NA
			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
			3/21/2012	5.68	288.53
			9/17/2012	6.21	288.00
			12/10/2012	5.04	289.17
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
			9/27/2005	NM	NA
			8/1/2006	NM	NA
			8/6/2007	NM	NA
			8/3/2011	3.64	288.59
			3/21/2012	2.57	289.66
			9/17/2012	3.26	288.97
			12/10/2012	2.01	290.22

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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-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
			9/10/2004	NM	NA
			9/27/2005	NM	NA
			8/1/2006	NM	NA
			8/6/2007	NM	NA
			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	NA
			3/21/2012	7.28	291.62
			9/17/2012	8.49	290.41
			12/10/2012	Covered	
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
			3/21/2012	8.33	290.45
			9/17/2012	9.20	289.58
			12/10/2012	9.15	289.63
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
			9/27/2005	NM	NA
			8/1/2006	NM	NA
			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
			3/21/2012	5.06	287.62
			9/17/2012	5.55	287.13
			12/10/2012	5.67	287.01

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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
			3/21/2012	5.97	287.97
			9/17/2012	6.51	287.43
			12/10/2012	6.63	287.31
MW-701A		292.88	8/3/2011	6.22	286.66
			3/21/2012	5.31	287.57
			9/17/2012	5.73	287.15
			12/10/2012	5.44	287.44
MW-701B		292.92	8/3/2011	6.19	286.73
			3/21/2012	5.38	287.54
			9/17/2012	5.89	287.03
			12/10/2012	5.40	287.52
MW-701C		292.85	8/3/2011	6.34	286.51
			3/21/2012	5.40	287.45
			9/17/2012	5.84	287.01
			12/10/2012	5.34	287.51
MW-702A		291.13	8/3/2011	2.80	288.33
			3/21/2012	2.04	289.09
			9/17/2012	3.22	287.91
			12/10/2012	1.99	289.14
MW-702B		291.37	8/3/2011	3.67	287.70
			3/21/2012	2.62	288.75
			9/17/2012	2.57	288.80
			12/10/2012	2.09	289.28
GAR-MW-1A		295.37	3/21/2012	6.40	288.97
			9/17/2012	6.87	288.50
			12/10/2012	6.45	288.92
GAR-MW-2A			3/21/2012	3.67	--
			9/17/2012	5.05	--
			12/10/2012	4.11	--
GAR-MW-3A		292.83	3/21/2012	4.10	288.73
			9/17/2012	4.60	288.23
			12/10/2012	4.00	288.83
GAR-MW-4		295.00	3/21/2012	6.05	288.95
			9/17/2012	6.51	288.49
			12/10/2012	5.97	289.03
GAR-MW-5		293.09	3/21/2012	5.14	287.95
			9/17/2012	5.68	287.41
			12/10/2012	5.07	288.02

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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)*
GAR-MW-6		294.02	3/21/2012	6.05	287.97
			9/17/2012	6.53	287.49
			12/10/2012	5.99	288.03
GAR-MW-7		292.75	3/21/2012	4.91	287.84
			9/17/2012	5.39	287.36
			12/10/2012	4.82	287.93
DPMW-01		290.23	12/10/2012	4.91	285.32
DPMW-02		290.67	12/10/2012	destroyed - filled in	
DPMW-03		292.29	12/10/2012	6.47	285.82
DPMW-04		293.48	12/10/2012	7.84	285.64
MW-703		289.99	12/10/2012	4.66	285.33
MW-7S			12/10/2012	Abandoned	
MW-7D			12/10/2012	Abandoned	
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
			8/13/2008	NM	NA
			9/15/2009	NM	NA
		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
			3/21/2012	30.62	268.22
			9/17/2012	30.59	268.25
			12/10/2012	30.61	268.23

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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-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
			3/21/2012	18.68	279.84
			9/17/2012	21.08	277.44
			12/10/2012	24.68	273.84
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
			3/21/2012	16.21	279.83
			9/17/2012	22.32	273.72
			12/10/2013	31.46	264.58
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
			3/21/2012	24.82	278.48
			9/17/2012	24.70	278.60
			12/10/2013	24.72	278.58

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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-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	23.61	274.39
			3/21/2012	23.64	274.36
			9/17/2012	23.67	274.33
			12/10/2012	23.66	274.34
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	33.70	268.60
			3/21/2012	33.26	269.04
			9/17/2012	33.58	268.72
			12/10/2013	33.55	268.75
RVW-101	--	--	9/15/2009	DRY	--
			9/20/2010	DRY	--
			12/10/2012	DRY @ 6.40	--
RW-101C	--	--	9/20/2010	11.39	--
			3/21/2012	10.17	--
			12/10/2012	11.25	--
RVW-103	--	--	9/15/2009	DRY	--
			9/20/2010	DRY	--
			8/3/2011	5.59	--
			3/21/2012	DRY	--
			9/17/2012	6.31	--
			12/10/2012	DRY@ 5.37	--

ATTACHMENT F
SUMMARY OF GROUNDWATER LEVEL MEASUREMENTS - 2002 through 2012
Off-Property Status Update
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-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	--
			3/21/2012	8.40	--
			9/17/2012	9.26	--
			12/10/2012	9.46	--
RVW-105Q	--	--	8/6/2007	10.36	--
			9/15/2009	10.12	--
			9/20/2010	DRY	--
			12/10/2012	11.20	--
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	--
			3/21/2012	10.56	--
			12/10/2012	11.32	--
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
			3/21/2012	11.24	293.59
			9/17/2012	11.70	293.13
			12/10/2012	11.59	293.24
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

ATTACHMENT F
SUMMARY OF GROUNDWATER LEVEL MEASUREMENTS - 2002 through 2012
Off-Property Status Update
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-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
			3/21/2012	DRY	NA
			9/17/2012	9.91	295.05
			12/10/2012	10.69	294.27
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
			3/21/2012	9.79	294.71
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
			3/21/2012	10.33	294.27
			12/10/2012	11.83	292.77
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
			3/21/2012	10.37	294.23
			12/10/2012	11.88	292.72

ATTACHMENT F

SUMMARY OF GROUNDWATER LEVEL MEASUREMENTS - 2002 through 2012

Off-Property Status Update

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-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
			3/21/2012	10.58	294.12
			9/17/2012	11.00	293.70
			12/10/2012	10.79	293.91

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. There were subsequently destroyed by Tropical Storm Irene in August 2011.

ABBREVIATIONS:

ft = feet

NM = not measured

NA = not applicable since DTW not measured