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July 3, 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 No. 2
Former Risdon Facility – 15 Old Newtown Road, Danbury, CT USEPA ID CTD001168558

Dear Ms. Casey:

This *Off-Property Investigation Status Update* (*Status Update No. 2*) has been prepared to document the recently conducted off-property investigation activities. This work is being conducted as a phased approach to evaluate potential off-property impacts from the former Risdon Facility located at 15 Old Newtown Road (Site). This document 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 *Status Update No. 2* provides the results and assessment of the recent off-property investigation activities, including an updated Conceptual Site Model and proposed next steps based on this data. 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 110443

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

WOODARD &CURRAN

OFF-PROPERTY INVESTIGATION STATUS UPDATE No. 2

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CR USA Inc.
July 2013

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1. INTRODUCTION

This *2013 Off-Property Groundwater Investigation Status Update* (*Status Update No. 2*) has been prepared to document the recent off-property investigation activities conducted in May 2013. This work is being 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 No. 2* 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 recent off-property investigation activities were conducted consistent with the investigation program outlined in the February 2013 *Off-Property Investigation Status Update* and included the following activities:

- Installation of six piezometers within the Still River;
- Development of the new piezometers;
- Collection of groundwater samples from the new piezometers and surface water in the immediate vicinity of each piezometer;
- Sampling of the well couplet on the 28 Finance Drive property located along the edge of the Still River (DPMW-1 and MW-703);
- Area-wide gauging of accessible monitoring wells; and
- Survey of the new piezometers.

In addition, at the request of the United States Environmental Protection Agency (EPA), a supplemental sediment sample was collected from a depositional areal in the vicinity of the site's stormwater outfall. This document provides the results and assessment of the recent off-property investigation activities, including an updated Conceptual Site Model (CSM) and proposed next steps based on this data.

2. OFF-PROPERTY INVESTIGATION STATUS

A phased investigation approach was conducted to evaluate off-property subsurface conditions in the vicinity of the Site. The objective of this and the previous off-property investigations was to evaluate the nature and extent of potential off-property groundwater impacts and associated receptors, if any. This was accomplished by installing a series of well clusters to evaluate groundwater flow patterns, potential contaminant migration, and hydrogeological features downgradient of the former Risdon facility. Following completion of this work, it was identified that the next phase of the off-property investigation would be to focus on evaluating where groundwater discharges to the Still River and if there were any associated surface water impacts. The following provides an overview of the off-property tasks identified and conducted as part of this recently-completed phase of work:

- Installation of six piezometers within the Still River;
- Development of the new piezometers;
- Collection of groundwater samples from the new piezometers and surface water in the immediate vicinity of each piezometer;
- Sampling of the well couplet on the 28 Finance Drive property located along the edge of the Still River (DPMW-1 and MW-703);
- Area-wide gauging of accessible monitoring wells; and
- Survey of the new piezometer locations.

In addition, a supplemental sediment sample was collected from a depositional areal in the vicinity of the Site's stormwater outfall. All work was conducted consistent with the March 2013 *Off-Property Investigation Status Update* and the revised project *Quality Assurance Project Plan* (QAPP).

2.1 OFF-PROPERTY GROUNDWATER INVESTIGATION

Based on the previously presented CSM for off-property groundwater (as provided in the October 2011 *Off-Property Investigation Report)* it was presumed that groundwater flow and discharge focused on a distinct portion of the river in the vicinity of the 24 and 28 Finance Drive properties. As previously outlined in the March 2013 *Off-Property Investigation Status Update*, the D*ownstream Stretch* of the Still River (from 1,000 to 2,750 feet downstream of the Site) was identified as the focus of the next phase of the off-property investigation. The objective of this phase of the off-property investigation was to evaluate the presumed groundwater discharge zone within the river and potential impacts to surface water.

2.1.1 Piezometer Installation & Development

Woodard & Curran personnel installed five piezometers at Stations 1075, 1250, 1450, 1640, and 1860 on May 1, 2013 and one piezometer at Station 875 on May 15, 2013 along the eastern bank of the Still River. Refer to Figure 1 for the location of the piezometers in relation to surrounding site features. Piezometers were generally completed as stainless steel, 1¼-inch diameter piezometers, constructed with 2-feet of perforated screen (PZ-SR875 was constructed with a 3-ft screen section), with 1-foot of riser below the screen and 3-feet of riser above the screen. Riser below the screen was utilized as a sump to capture fines that may potentially accumulate in the screen and to help stabilize the piezometer within the river bed. The piezometers were installed using either a slide bar or a 30-pound hammer and a portable 70-cfm (cubic feet per minute) air compressor to advance the top of the screen to the desired depth, approximately 6-inches below the river bed. In the event that the sediment and river material

consisted of a loose or organic material, the piezometers were advanced to a depth where they would be more stable against rising water and floating debris. Refer to Table 1 for piezometer construction details.

Each piezometer was developed immediately following installation. Development was conducted using polyethylene tubing and a peristaltic pump, with flow rates ranging from 300 to 500 milliliters per minute (mL/minute). Improvement in water clarity was confirmed visually during development. The horizontal locations were recorded via GPS and the vertical elevations were surveyed on May 15, 2013.

2.1.2 Groundwater and Surface Water Sampling

Groundwater samples were collected from monitoring wells DPMW-1 and MW-703 on the 28 Finance Drive property on May 1, 2013 in conjunction with the off-property piezometer installation work (these wells were previously sampled in November 2012). These two off-property wells were sampled using low flow methodologies in accordance with the project QAPP and the January 2010 EPA Region 1 Low Stress (Low Flow) Purging and Sampling Procedures. Prior to groundwater sampling, the water level in each of the wells was measuring 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 water quality parameters stabilized as follows: temperature (3% degrees Celsius [°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).

Surface water samples adjacent to each piezometer and groundwater samples from the piezometers were collected on May 2 and 15, 2013. A peristaltic pump and dedicated Teflon-lined polyethylene tubing were used to collect surface water in the upstream vicinity of each piezometer from the lower 50% of the water column and monitored for water quality parameters. One set of water quality parameters were collected both prior to and after surface water sample collection. Following surface water sampling, groundwater samples were collected from each newly installed piezometer. Teflon-lined, ¼-inch inner diameter polyethylene tubing was installed inside the piezometer to the lower 6-inches of the well screen. A minimum of two standing volumes of groundwater was purged prior to sample collection. Parameters were monitored at the start of purging, after one and two well volumes had been removed, and then after sample collection. Groundwater parameters were compared to those measured in the surface water to ensure groundwater was being collected and not the surrounding surface water. The most notable difference in the groundwater and surface water samples was the dissolved oxygen levels, which clearly indicated a difference in sample origin. Refer to Table 2 for a summary of water quality parameters measurements collected just prior to sample collection.

Following sample collection, 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. All samples were analyzed for volatile organic compounds (VOCs) via Connecticut Reasonable Confidence Protocols (CT RCPs) Method 8260B in accordance with the project QAPP. Tables 3 and 4 provide a summary of VOCs detected in groundwater and surface water samples, respectively. A copy of the analytical reports is provided in Appendix A and the data quality review is provided in Appendix B.

Refer to Section 2.3 of this report for further discussion of the laboratory analytical results.

2.2 HYDROGEOLOGICAL CONDITIONS

A supplemental area-wide groundwater gauging event was performed on May 15, 2013 to incorporate the newly installed piezometers with the existing monitoring wells. Depth to water was measured at all accessible monitoring

and recovery wells at the former Risdon facility and those off-property wells, where access was allowed. A full consolidation of the water level and elevation data is presented in Appendix D.

An approximate configuration of the water table surface based on the May 2013 water gauging event is depicted on Figure 1. 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 until it discharges into the Still River in the vicinity of Station 700 to 1,000 (feet downstream from the Old Newtown Road bridge; see Figure 1). Localized flow along the bank of the river is into the river, as illustrated with the contour plan (Figure 1), specifically from Station 700 to 1700 (feet downstream from the Old Newtown Road bridge).

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.

As discussed in previous submittals, investigation activities indicate that there are relatively flat gradients northerly off of the property with a horizontal gradient of 0.002 ft/ft from the MW-701 to MW-703 (1,100 linear feet) and a vertical gradient of 0.003 ft/ft (MW-701A/B) and 0.002 ft/ft (DPMW-01/MW-703). However, the vertical gradients reverse as groundwater approaches the Still River as the gradient at MW-701A/B suggest downward flow components and at DPMW-01/MW-703, upward components are suggested, which would be consistent with a groundwater discharge area associated with the River. Furthermore, a review of the water levels at the piezometers suggests a stronger upward flow component (0.017 ft/ft average of detected upward gradients) as groundwater approaches the river bed.

2.3 SUMMARY OF ANALYTICAL RESULTS

The following provides a summary of the analytical results relative to the overall objective of this phase of work.

Groundwater

Concentrations of VOCs in groundwater on the 28 Finance Drive property were consistent with (or lower than) those previously measured in November 2012, with Trichloroethene (TCE) and Tetrachloroethene (PCE) detected at the highest concentrations. VOC concentrations in the new piezometers decreased with distance down the Still River, with the highest concentrations of VOCs measured in piezometers PZ-SR875 and PZ-SR1075. While TCE was detected at each of the piezometer locations, it is noted that additional non-chlorinated VOCs were detected within the piezometers, including tetrahydrofuran (THF), toluene, and xylenes, suggesting that there are additional sources of groundwater impacts in the area, unrelated to the former Risdon facility because these compounds are not key components of the Site's groundwater plume.

With respect to the Connecticut Department of Energy and Environmental Protection's (CTDEEP) Remediation Standard Regulations (RSRs) Surface Water Protection Criteria (SWPC), PCE was detected in deeper monitoring well MW-703 and piezometer PZ-SR875 just above the SWPC. However, as discussed below, PCE was only detected in one surface water sample (SW-SR875) and at a concentration below the Connecticut Water Quality Standard (CT WQS). Further, no VOCs were detected in surface water at any of the locations above the CT WQS, demonstrating that concentrations of VOCs in groundwater are not adversely impacting the surface water quality in this area.

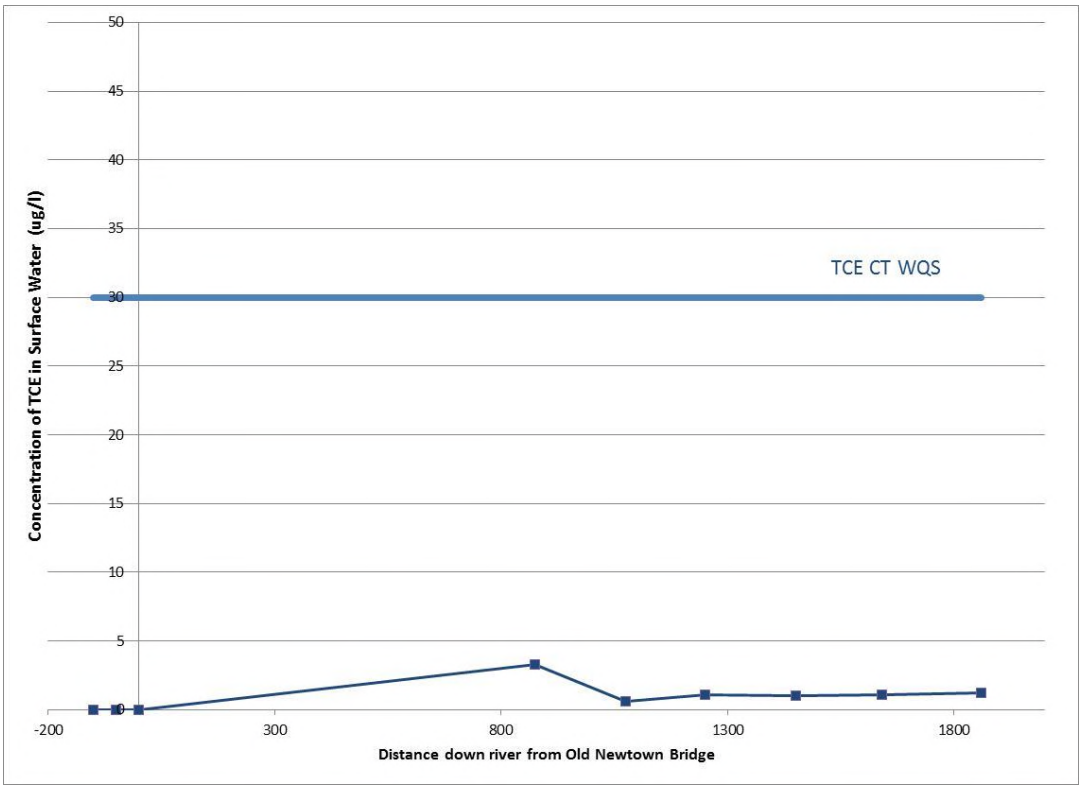
Figure 2 illustrates the concentration of total VOCs in select wells along the groundwater flow path, starting with the highest concentrations measured in the former source areas at the Site (former MFA and former Lagoon) and decreasing along the flow path down Augusta Drive (MW-701 well triplet) and subsequent discharge into the Still

River (vicinity of PZ-SR875). The outer bounds are formed by the low concentrations to the west in MW-10, MW-14 and 2ONR-MW1A and to the east in MW-113 and the MW-702 series.

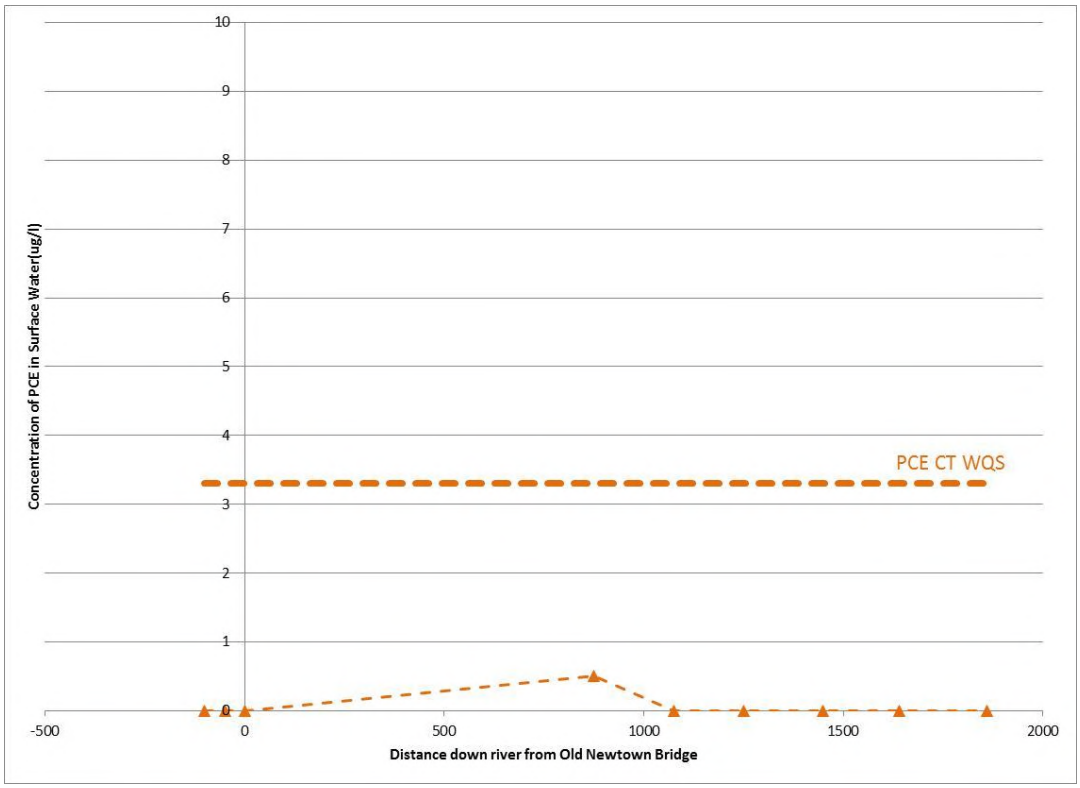
Based on the groundwater contours (discussed above) and the chemical distribution within these piezometers, the area where VOC-impacted groundwater discharge into the Still River has been identified. Refer to Figure 3 and the updated CSM for further discussion.

Surface Water

Similar to the piezometer data, TCE was detected in each of the surface water samples. However, as shown in the plot below, TCE in surface water is present at concentrations well below the CT WQS. This plot provides the concentration of TCE detected in surface water samples along the stretch of the Still River under investigation, starting up by the Site (Station -100 from the Old Newtown Road bridge, collected in July 2011) down through Station 1875.



While PCE was detected in piezometer PZ-SR875 above the SWPC, the concentration of PCE detected in surface water were also below the CT WQS, as shown in the plot below.



This recent surface water data coupled with the previously collected surface water upstream (in vicinity of the former Risdon facility outfall) demonstrates that the area of groundwater discharge has been identified within this stretch of the river and VOCs in groundwater are not adversely impacting the surface water quality in this area.

2.4 SUPPLEMENTAL SEDIMENT EVALUATION

As part of previous investigation activities, sediment and surface water sampling was conducted in July 2011 in the upstream portion of the Still River. As a follow-up to these samples, USEPA requested that an additional sediment sample be collected from a lone depositional area in the upstream stretch in the vicinity of the facility's stormwater outfall. Sediment sample SR-SED-01-1 was collected on May 2, 2013 for VOC and total metals analysis (refer to Figure 1 for the sample location). However, due to an issue with sample collection and preservation, the laboratory was unable to analyze the VOC samples from the initial sampling. A second, replacement VOC sample was collected on May 15, 2013 from the same area and analyzed for VOCs.

A tabulated summary of the inorganic results is presented in Table 5. Refer to Appendix C for copies of the laboratory analytical reports and Appendix B for a summary of the data quality review. The detected concentrations of metals in the recent sediment sample are generally consistent with, or lower than, the reference and sediment samples collected in July 2011. Detected metals within this recent sediment sample were below the USEPA Region 5 Ecological Screening Levels (USEPA R5 ESL) standards (screening level identified in the QAPP).

PCE was the only VOC detected in the recent sediment sample; however, it was detected at a concentration of 0.81 µg/kg, which is below the laboratory reporting limit. As a result, the detection was 'J' qualified (estimated). This detection was below the USEPA R5 ESL standards. These VOC results are also generally consistent with the sediment samples collected in July 2011.

3. UPDATED CONCEPTUAL SITE MODEL

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

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

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

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

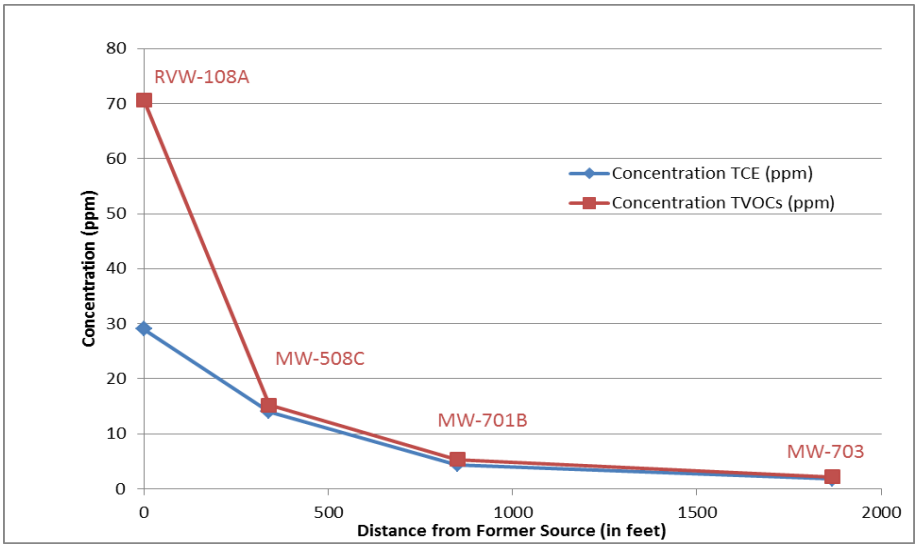
In general, there are two interconnected aquifer systems in the vicinity of the Site. An upper unconfined aquifer is comprised of glacio-lacustrine deposits and a lower aquifer occurs in the upper fractured portions of the bedrock. Overall, the gradients indicate that groundwater predominantly flows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

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

Downgradient of the facility, some limited shallow groundwater may discharge to the wetlands northeast of the facility, however, the majority of area groundwater flow is to the north/northwest down Augusta Drive until it discharges into the Still River in the vicinity of Station 700 to 1,000 (distance in feet downstream from the Old Newtown Road bridge). 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. Figure 3 provides the location of the mapped till zones and higher topographic features in the area contributing (with the bedrock valley) to the overall regional flow regime.

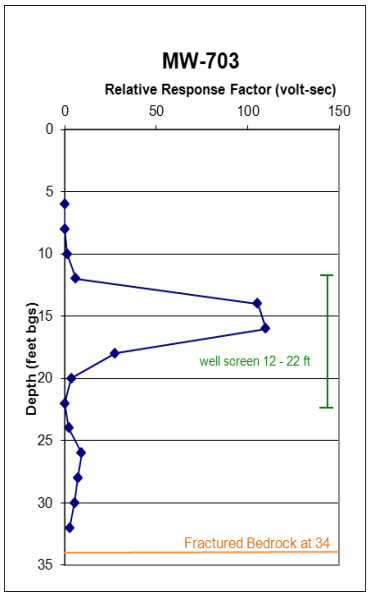
The predominant constituents of concern detected in groundwater across the Site are chlorinated VOCs and inorganics. With respect to the chlorinated VOCs, 1,1,1-Trichloroethane (1,1,1-TCA) and TCE have been detected at the greatest frequency and at the highest concentrations in groundwater. These compounds were reportedly used at the facility as degreasing agents. In addition to these two chlorinated VOCs, typical degradation and/or related products of these VOCs, including PCE, cis-1,2-Dichloroethene (cis-1,2-DCE), 1,1-Dichloroethene (1,1-DCE), and 1,1-Dichloroethane (1,1-DCA), have also been detected frequently and at higher concentrations than other VOCs.

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



The plot to the right 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.



The highest levels of chlorinated VOCs have been detected in the deep overburden and shallow, fractured/weathered bedrock, indicating that this layer appears to be the primary pathway for VOC migration in groundwater. Groundwater impacts, primarily VOCs, have also been observed in areas hydraulically downgradient of the facility. The higher concentrations of VOCs, notably TCE, have been detected within the deep overburden / shallow bedrock zone associated with the longitudinally-trending bedrock valley along Augusta Drive. However, as the plume continues to migrate further away from the former facility and the bedrock elevation decreases, the plume is more situated within the overburden layer (see chart to the right showing the profile of the well adjacent to the Still River).

With regard to the presence of VOCs in groundwater in this downgradient area, based on regional geological and surface water drainage information, as well as data from the Toppan/Dupont Photomasks Corporation property, it would be anticipated that groundwater would flow parallel to Augusta Drive and the Still River (as shown on Figures 1 and 3). In addition, the presence of the bedrock/till topographic highs in the vicinity of the Site, notably east of the wetlands (and associated groundwater flow observed on the Toppan/Dupont Photomasks Corporation property) and west and north of the Still River, likely influence groundwater flow patterns in this area towards the Still River. It would also be anticipated that further downgradient, the overburden deposits would increase in thickness (depth to bedrock below ground surface increases), which would indicate that the dissolved VOC plume would likely be located at more increased depths below ground surface (as seen at the 28 Finance well couplet). This increased depth (with a likely "clean" water lens above) would further separate the plume from potential receptors (volatilization).

As described previously, water level measurements combined the groundwater and surface analytical results indicate that VOC-impacted groundwater discharges into the Still River (location shown on Figure 3). With regard to VOC impacts from groundwater discharging into the Still River, VOC concentrations in the new piezometers decreased with distance down the Still River, with the highest concentrations of VOCs measured in piezometers PZ-SR875 and PZ-SR1075. Other VOCs not associated with the former Risdon property were also detected in the piezometer groundwater samples and, as documented in previous submittals, this stretch of the River contains numerous outfalls and is adjacent to other industrial/commercial properties.

Although VOCs were detected in groundwater at the river, no VOCs were detected in surface water at any of the piezometer locations above the CT WQS, demonstrating that VOCs in groundwater are not adversely impacting the surface water quality in this stretch of the river.

4. INVESTIGATION CONCLUSIONS

In accordance with the objectives outlined in the July 2012 *Off Property Work Plan Addendum* and the February 2013 *Off-Property Investigation Status Update*, supplemental investigation phases have been completed and the investigation scope has been further 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 results from this recent investigation work, along with an overall conclusion for the off-property investigation.

4.1 SUMMARY OF CURRENT INVESTIGATION RESULTS

To evaluate groundwater migration, six piezometers were installed along the eastern bank of the Still River. Using a combination of groundwater and surface water samples, as well as hydrogeologic data, the conceptual plume migration pathway as identified in the CSM was further refined. The following summarizes the conclusions associated with the off-property investigation activities:

Groundwater Flow: A review of both on and off-property groundwater elevation information 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. This flow path pattern is anticipated to be similar further north beyond the recently completed investigation area.

VOC Distribution in Groundwater: The analytical data, coupled with the groundwater flow data, focuses the location where VOC-impacted groundwater discharges into the Still River. The highest levels of dissolved chlorinated VOCs in groundwater sampled from the piezometers were detected at PZ-SR1075 and PZ-SR875. Concentrations of other (non-chlorinated) VOCs were also detected in piezometer samples demonstrating that there are additional sources of groundwater impacts in the area, unrelated to the former Risdon facility. Regardless, no VOCs were detected in surface water at any of the locations above the CT WQS, demonstrating that VOCs in groundwater are not adversely impacting the surface water quality in this stretch of the river.

Sediment: The detected concentrations of metals in the recent sediment sample are generally consistent with, or lower than, the sediment samples collected in July 2011. Detected metals within this recent sediment sample were below the USEPA Region 5 Ecological Screening Levels (USEPA R5 ESL) standards. PCE was the only VOC detected in the recent sediment sample, and at a concentration below the screening level.

4.2 SUMMARY OF OFF-PROPERTY CONCLUSIONS

A series of investigation activities have been performed to evaluate off-property conditions including installation of multiple groundwater monitoring wells, installation of piezometers within the Still River, collection of groundwater, surface water and sediment samples for laboratory analyses, and multiple rounds of water level measurements to aid in determining seasonal groundwater flow patterns. After each phase of the off-property investigation, the results have been consolidated for EPA and CTDEEP review prior to initiating the subsequent phase of the investigation. As a result of this phased approach, the investigation was able to be focused on the identified data gaps.

The following provides a summary of the conclusions for each of the three main off-property areas evaluated during this work, including the on-site storm drain at the Still River, the wetlands to the north of the 4 Old Newtown Road property, and the nature and extent of potential off-property groundwater impacts. Several of these conclusions were previously documented in past submittals.

4.2.1 Storm Drain Investigation

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

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

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

For surface water in the vicinity of the storm drain, the range of detected metals was generally consistent across each of the samples; no VOCs or cyanide were detected. Arsenic was the only compound detected above the applicable WQC (for human health criteria for fish consumption) at all three sampling locations and the concentration of arsenic was consistent across all of the surface water samples collected, including the upgradient reference sample. In addition, arsenic was detected in all of the sediment sample locations, including the upgradient reference sample (which had the highest detected concentration of arsenic in sediment), further demonstrating that the presence of arsenic in the surface water is attributable to other sources (e.g. upgradient source, naturally occurring soil and bedrock composition and subsequent weathering processes, etc.).

Therefore, collectively, both sediment and surface water results do not demonstrate that concentrations of metals are directly related to past discharges from the Site's storm drain and no further action is warranted.

4.2.2 Off-property Wetlands – 4 Old Newtown Road

Overburden well cluster MW-702A/B along the eastern edge of the 4 Old Newtown Road property was installed 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 flow measured on 4 Old Newtown Road was consistent throughout the various seasonal gauging events. 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),

demonstrating that groundwater flow in this area is *not towards the wetland and the wetland area is not acting as a groundwater discharge area for shallow groundwater flow in this area*.

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 within the wetlands on and adjacent to the 4 Old Newtown Road property.

4.2.3 Off-property Groundwater – Augusta Drive, Finance Drive and the Still River

To assist in the off-property groundwater migration evaluation, three well clusters (MW-701 through MW-703) and six piezometers were installed. Groundwater and surface water samples were collected and numerous groundwater elevation gauging events were conducted to refine the CSM for off-property migration. The following summarizes the conclusions associated with the off-property groundwater migration investigation:

Bedrock Valley Confirmation: Subsurface information associated with the installation of the three new well clusters support a pronounced bedrock depression which presumably extends longitudinally along Augusta Drive, where bedrock was encountered at a depth of 40-feet bgs (MW-701). This bedrock depth is significantly deeper than the average bedrock depth of 21 feet bgs to the south and east, and a depth of approximately 17-feet bgs to the west (2ONR-MW1A), adjacent to the Still River. 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).

Groundwater Flow: A review of both on and off-property groundwater elevation information 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. This flow path pattern is anticipated to be similar further north beyond the recently completed investigation area.

VOC Distribution in Groundwater: 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.

The analytical data, coupled with the groundwater flow data, focuses the location where VOC-impacted groundwater discharges into the Still River. The highest levels of dissolved chlorinated VOCs in groundwater sampled from the piezometers were detected at PZ-SR1075 and PZ-SR875. Concentrations of other (non-chlorinated) VOCs were also detected in piezometer samples demonstrating that there are additional sources of groundwater impacts in the area, unrelated to the former Risdon facility (refer to previous Still River reconnaissance for a description of the three

main stretches of the River in the vicinity of the Site and the different river bed materials and other potential contributing sources, such as outfalls, dumping debris, etc.). Irrespective of the VOCs in groundwater, no VOCs were detected in surface water at any of the locations above the CT WQS, demonstrating that VOCs in groundwater are not adversely impacting the surface water quality in this stretch of the river.

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 PCE was the only VOC detected in the piezometers (at PZ-SR875 just above the SWPC). However, PCE was only detected in one surface water sample (SW-SR875) and at a concentration below the CT WQS. Further, no VOCs were detected in surface water at any of the locations above the CT WQS, *demonstrating that concentrations of VOCs in groundwater are not adversely impacting the surface water quality in this area.* 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, sufficient data has been collected to refine the stretch of the Still River where VOC-impacted groundwater discharges and more importantly it has been shown that VOCs in groundwater are not adversely impacting the surface water quality in this stretch of the river. As such, no further off-property groundwater investigation is warranted. Further discussion on continued monitoring is provided below.

4.3 NEXT STEPS

Based on the results of this off-property investigation, there is a better understanding of groundwater flow and VOC distribution in the downgradient area of the Site. The stretch of the Still River where VOC-impacted groundwater discharges has been refined and more importantly it has been shown that VOCs in groundwater are not adversely impacting the surface water quality in this stretch of the river. As such, no further off-property investigation activities are proposed.

Given these findings, implementation of an active off-property remedy component does not appear warranted. With the continued operation of the property line groundwater migration control treatment system and sub-slab vapor extraction system beneath the building, concentrations of VOCs in off-property groundwater are expected to continue to decrease overtime. Monitoring of the plume stability (and ultimately concentration decrease) will be performed in accordance with the RSRs and incorporated into the Operation and Maintenance (O&M) program as part of the approved on-site Remedial Action Plan.

The *Post Closure O&M Plan* for the Site will be updated to incorporate inclusion of surface water collection and select off-property monitoring wells into the annual groundwater sampling event. The data will be utilized to evaluate plume stability and trends, as well as to demonstrate that there are no adverse impacts to surface water over time. Upon EPA review of this *Status Update No. 2*, the *Post Closure O&M Plan* will be updated and submitted for review.

TABLE 1
PIEZOMETER CONSTRUCTION DETAILS
Off Property Investigation Status Update
Danbury, Connecticut

Location ID	Installation Date	Elevation	Channel Centerline Distance Downstream from Old Newtown Road Bridge *(feet)*	Screened Interval *(inches below channel bed)*	Construction	Piezometer Levels after Construction *(feet below top of casing)*
						Depth to Bottom
PZ-SR875	5/15/2013	282.34	875	6" - 42"	1.25"-diameter stainless steel casing with a 36" slotted screen and no sump.	7.90
PZ-SR1075	5/1/2013	281.94	1075	10" - 34"	1.25"-diameter stainless steel casing with a 24" slotted screen and a 12" sump	7.94
PZ-SR1250	5/1/2013	282.98	1250	6" - 30"	1.25"-diameter stainless steel casing with a 24" slotted screen and a 12" sump	8.21
PZ-SR1450	5/1/2013	281.69	1450	6" - 30"	1.25"-diameter stainless steel casing with a 24" slotted screen and a 12" sump	6.18
PZ-SR1640	5/1/2013	282.19	1640	6" - 30"	1.25"-diameter stainless steel casing with a 24" slotted screen and a 12" sump	7.28
PZ-SR1860	5/1/2013	280.79	1860	6" - 30"	1.25"-diameter stainless steel casing with a 24" slotted screen and a 12" sump	6.18

TABLE 2
SUMMARY OF GROUNDWATER FIELD CHEMISTRY PARAMETERS - OFF-PROPERTY LOCATIONS
Off-Property Investigation Status Update
Danbury, Connecticut

Monitoring Well ID	Sample Type	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-703	Groundwater	11/27/2012	16.6	180	11.8	3.161	0.5	7.0	40	2.4
		5/1/2013	16.6	200	12.4	2.973	0.4	6.8	-133	4.8
DPMW-1	Groundwater	11/27/2012	9.0	210	13.4	0.716	0.06	5.7	25	3.7
		5/1/2013	9.0	250	10.8	0.495	0.02	5.8	-91	3.7
PZ-SR875	Groundwater	5/15/2013	18"	200	13.7	0.858	0.43	6.6	23	5.9
SW-SR875	Surface Water	5/15/2013	NA	250	13.7	0.510	10.86	7.3	84	12.7
PZ-SR1075	Groundwater	5/1/2013	2.3	120	15.1	0.589	0.00	6.9	-270	6.3
SW-SR1075	Surface Water	5/1/2013	NA	400	14.6	0.522	11.50	8.5	-229	0.6
PZ-SR1250	Groundwater	5/1/2013	NA	140	14.1	1.111	2.13	7.0	-244	1.2
SW-SR1250	Surface Water	5/1/2013	NM	220	13.4	0.510	10.25	8.3	-226	0.0
PZ-SR1450	Groundwater	5/1/2013	NM	225	14.3	0.498	1.71	7.6	-251	0.0
SW-SR1450	Surface Water	5/1/2013	NA	375	13.3	0.511	11.90	8.3	-220	0.2
PZ-SR1640	Groundwater	5/1/2013	NM	150	13.7	0.511	1.37	7.6	-247	0.2
SW-SR1640	Surface Water	5/1/2013	NA	300	12.9	0.513	9.00	8.1	-202	4.1
PZ-SR1860	Groundwater	5/1/2013	2.0	NM	12.7	0.540	0.17	7.5	-74	6.2
SW-SR1860	Surface Water	5/1/2013	NA	200	12.2	0.583	9.43	8.0	-57	3.4

Notes/Abbreviations:

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

Surface water & groundwater parameters collected from piezometers were collected before sample collection and after 2 well volumes had been removed, respectively.

Pump/tubing intake for piezometer samples set at indicated depth below river bed.

°C = degrees Celsius

ml = milliliters

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.

mg/l = milligrams per liter

mV = millivolts

NTU = nephelometric Turbidity Units

NS = Not sampled

NM - Not measured

NA - Not Applicable

TABLE 3
SUMMARY OF VOC RESULTS - OFF PROPERTY GROUNDWATER MONITORING
Off Property Investigation Status Update
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**	***Vinyl Chloride (Other VOCs)***	**Total VOCs**
SWPC	--	--	--	NE	96	NE	88	62,000	2,340	15,750 (VC)	--
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	--
28 Finance Drive											
MW-703	12 - 22	Overburden	27-Nov-12	<19	**75**	**66**	**180**	**81**	**1,800**	<25	2,202
			1-May-13	<15	**43**	**64**	**110**	**44**	**1,300**	<20	1,561
DPMW-1 *	? - 13	Overburden	27-Nov-12	**2.2**	**4.7**	**100**	<0.5	**2**	**3**	5.9	112
			1-May-13	<0.75	<0.5	**10**	<0.5	<0.5	**0.58**	**3.1**	14
Still River											
PZ-SR875	0.5 - 3.5	Piezometer	15-May-13	<15	**45**	**38**	**100**	**86**	**1300**	<20	1569
PZ-SR1075	0.8 - 2.8	Piezometer	2-May-13	<3.8	**10**	**44**	**7.9**	**2.7**	**250**	**5.4** **170** (tetrahydrofuran) **7.3** (toluene)	497.3
PZ-SR1250	0.5 - 2.5	Piezometer	2-May-13	<0.75	**0.61**	**0.97**	**1.6**	<0.5	**23**	<1 **0.9** (toluene)	27.1
PZ-SR1450	0.5 - 2.5	Piezometer	2-May-13	<0.75	<0.5	<0.5	<0.5	<0.5	**1.2**	<1	1.2
PZ-SR1640	0.5 - 2.5	Piezometer	2-May-13	<0.75	<0.5	<0.5	<0.5	<0.5	**0.75**	<1 **1.4** (o-xylene) **2.4** (total xylene)	4.6
PZ-SR1860	0.5 - 2.5	Piezometer	2-May-13	<0.75	<0.5	<0.5	<0.5	<0.5	**0.75**	<1	0.75

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) - 1996, except cis-1,2-DCE (Proposed Revisions, March 2003) since no 1996 promulgated standard.

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

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

[1] The CT WQS - Aquatic includes the December 2009 Proposed Aquatic Freshwater Chronic values as 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.

E = Analyzed compound exceeded the instrument linear calibration range

JK = Estimated, bias unknown

Samples analyzed via USEPA Method 8260B. Only compounds detected above the laboratory reporting limits (LRLs) are reported.

< = less than the LRL

VOC = Volatile Organic Compounds

TABLE 4
SUMMARY OF VOC RESULTS - OFF PROPERTY SURFACE WATER MONITORING

Off Property Investigation Status Update

Danbury, Connecticut

Monitoring Well ID	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	*Vinyl Chloride (Other VOCs)*	Total VOCs
2011 CT WQS HH		NA	3.2	NA	3.3	NA	30	2.4	--
SR-SW-01	29-Jul-11	<0.75	<0.5	<0.5	<0.5	<0.5	<0.5	<1	0.0
SR-SW-02	29-Jul-11	<0.75	<0.5	<0.5	<0.5	<0.5	<0.5	<1	0.0
SR-SW-REF-01	29-Jul-11	<0.75	<0.5	<0.5	<0.5	<0.5	<0.5	<1	0.0
SW-SR875	15-May-13	<0.75	<0.5	<0.5	**0.51**	<0.5	**3.3**	<1	3.8
SW-SR1075	2-May-13	<0.75	<0.5	<0.5	<0.5	<0.5	**0.62**	<1	0.6
SW-SR1250	2-May-13	<0.75	<0.5	**0.5**	<0.5	<0.5	**1.1**	<1	1.6
SW-SR1450	2-May-13	<0.75	<0.5	<0.5	<0.5	<0.5	**1.0**	<1	1.0
SW-SR1640	2-May-13	<0.75	<0.5	<0.5	<0.5	<0.5	**1.1**	<1	1.1
SW-SR1860	2-May-13	<0.75	<0.5	<0.5	<0.5	<0.5	**1.2**	<1	1.2

Notes:

Standards acquired from the 2011 Connecticut Department of Energy & Environmental Protection Water Quality Standards Human Health Criteria for the consumption of fish.

Samples analyzed via USEPA Method 8260B. Only compounds detected above the laboratory reporting limits (LRLs) are reported.

< = less than the LRL

ug/L - micrograms per liter

NA - Not applicable

TABLE 5
SUMMARY OF SEDIMENT ANALYTICAL DATA - INORGANICS

Off Property Investigation Status Update
Danbury, Connecticut

	LOCATION	SR-SED-01-1	SR-SED-01	SR-SED-02	SR-SED-REF-01
	SAMPLE DATE	2-May-13	29-Jul-11	29-Jul-11	29-Jul-11
13 Priority Pollutant Metals (mg/kg)	Proposed Screening Level[1] Consensus TEC (mg/kg)	Result in mg/kg			
Antimony, Total	NE	**0.34**	**0.091 JL**	**0.044 JL**	**0.605 JL**
Arsenic, Total	9.79	**2.0**	**1.87 JK**	**0.84 JK**	**1.97 JK**
Beryllium, Total	NE	**0.16 J**	**0.207**	**0.125**	**0.179**
Cadmium, Total	0.99	**0.08 J**	**0.124**	**0.063**	**0.064**
Chromium, Total	NE	**8.8**	**7.22**	**7.69**	**6.2**
Copper, Total	31.6	**19**	**11.5 JK**	**9.76 JK**	**15.5 JK**
Cyanide, Total	NE	<1.2	<1.2	<1.1	<1.2
Lead, Total	35.8	**11**	**7.73 JK**	**10.2 JK**	**26.4 JK**
Mercury, Total	0.18	**0.17**	**0.205 JK**	**0.117 JK**	**0.069 JK**
Nickel, Total	22.7	**8.7**	**7.35 JK**	**5.35 JK**	**7.08 JK**
Selenium, Total	NE	**0.17 J**	**0.437 JK**	**0.141 JK**	**0.136 JK**
Silver, Total	NE	**0.19 J**	**0.052**	**0.058**	**0.058**
Thallium, Total	NE	<0.50	<0.092	**0.059**	<0.043
Zinc, Total	121	**64**	**55.9**	**44.4**	**51.6**

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

NE = Not Established
Detected results shown in bold; exceedance of the screening level is highlighted.

Legend

- Active Recovery Well, Overburden
- Monitoring Well, Overburden
- Monitoring Well, Weathered Bedrock
- Monitoring Well, Bedrock
- Monitoring Well, Abandoned
- Recovery Well, Overburden
- Recovery Well, Weathered Bedrock
- Recovery Well, Bedrock
- Piezometer, Installed May 2013
- Piezometer, Destroyed
- Sediment
- Groundwater Elevation Contours April 26,2005 (See Note 3)
- Groundwater Elevation Contours May 15, 2013
- Inferred Groundwater Flow Direction

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 contours are from "Overburden Groundwater Elevation Contour Map - April 26, 2005" prepared by Corporate Remediation Group, dated July 21, 2005.

4. Groundwater elevation contours prepared from data collected on May 15, 2013.

Still River

0 50 100 200 Feet

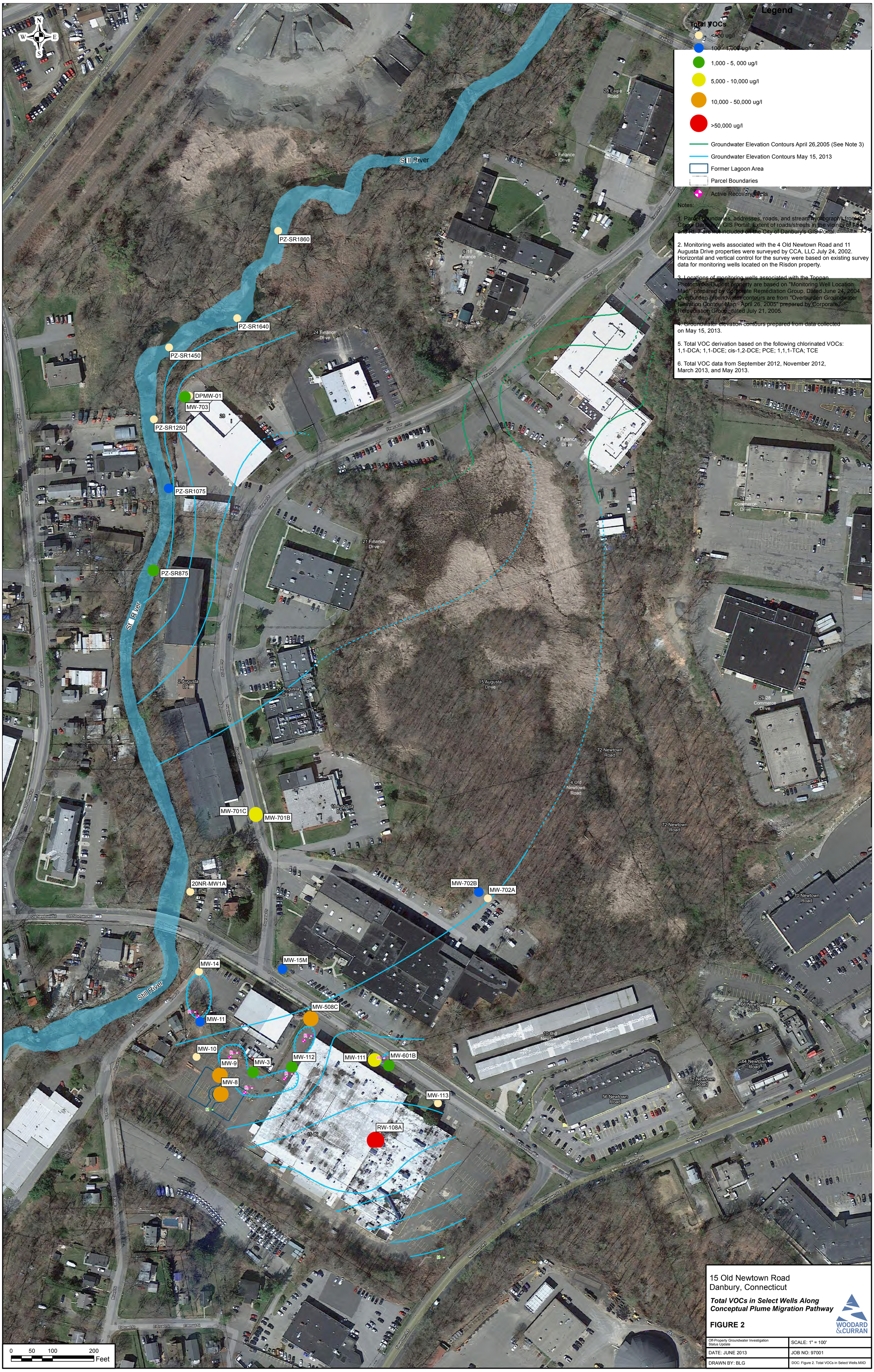
15 Old Newtown Road
Danbury, Connecticut

Groundwater Contour Plan and Investigation Locations

FIGURE 1

WOODARD &CURRAN

Off-Property Groundwater Investigation Status Update	SCALE: 1" = 100'
DATE: JUNE 2013	JOB NO: 97001
DRAWN BY: BLG	DOC: Figure 1. Groundwater Contours.MXD


Legend
Total VOCs
<100 ug/l
100 - 1,000 ug/l
1,000 - 5, 000 ug/l
5,000 - 10,000 ug/l
10,000 - 50,000 ug/l
>50,000 ug/l
Groundwater Elevation Contours April 26,2005 (See Note 3)
Groundwater Elevation Contours May 15, 2013
Former Lagoon Area
Parcel Boundaries
Active Recovery Wells
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 contours are from "Overburden Groundwater Elevation Contour Map - April 26, 2005" prepared by Corporate Remediation Group, dated July 21, 2005.
4. Groundwater elevation contours prepared from data collected on May 15, 2013.
5. Total VOC derivation based on the following chlorinated VOCs: 1,1-DCA; 1,1-DCE; cis-1,2-DCE; PCE; 1,1,1-TCA; TCE
6. Total VOC data from September 2012, November 2012, March 2013, and May 2013.
N
S
E
W
Still River
Federal Rd
Eagle Rd
28 Eagle Road
4 Finance Drive
6-16 Finance Drive
24 Finance Drive
9 Finance Drive
14-20 Commerce Drive
21 Finance Drive
Finance Dr
Beaver Brook Rd
Zion Pentecostal Church
2 Augusta Drive
27 Augusta Drive
15 Augusta Drive
26-28 Commerce Drive
72 Newtown Road
4 Old Newtown Road
11 Augusta Drive
70 Newtown Road
Old Newtown Rd
Augusta Dr
Broad St
10 Old Newtown Road
66 Newtown Road
64 Newtown Road
62 Newtown Road
56 Newtown Road
15 Old Newtown Road
Newtown Rd
E Broad St
PZ-SR1860
PZ-SR1640
PZ-SR1450
DPMW-01
MW-703
PZ-SR1250
PZ-SR1075
PZ-SR875
MW-701C
MW-701B
20NR-MW1A
MW-702B
MW-702A
MW-14
MW-15M
MW-11
MW-508C
MW-10
MW-9
MW-3
MW-112
MW-111
MW-601B
MW-8
MW-113
RW-108A
0 50 100 200 Feet
15 Old Newtown Road
Danbury, Connecticut
Total VOCs in Select Wells Along Conceptual Plume Migration Pathway
FIGURE 2
WOODARD &CURRAN
Off-Property Groundwater Investigation Status Update
SCALE: 1" = 100'
DATE: JUNE 2013
JOB NO: 97001
DRAWN BY: BLG
DOC: Figure 2. Total VOCs in Select Wells.MXD

Legend

- Active Recovery Well, Overburden
- Monitoring Well, Overburden
- Monitoring Well, Weathered Bedrock
- Monitoring Well, Bedrock
- Monitoring Well, Abandoned
- Recovery Well, Overburden
- Recovery Well, Weathered Bedrock
- Recovery Well, Bedrock
- Piezometer, Installed May 2013
- Piezometer, Destroyed
- Hydrography
- Wetland
- Parcel Boundaries
- Railroad
- Till
- Topographic Contours (feet)
- Inferred Groundwater Flow Direction

Notes:

1. Locations of till deposits are shown based on those presented in the Surficial Aquifer Texture Map of Connecticut (January, 2009).

2. Topographic highs interpreted from Connecticut 10-ft Contours (CTDEP, May 2011).

3. Hydrography data from Connecticut Hydrography Polygon (2005) and City of Danbury's GIS Portal.

4. Parcel Boundaries, addresses, and roads from the City of Danbury's GIS Portal. Extent of features in the vicinity of I-84 and Rt. 7 are not availible from the City of Danbury's GIS Portal.

5. 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.

6. 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.

0 300 600 1,200 Feet

38 Commerce Drive
Eagle Rd
Still River
28 Eagle Road
4 Finance Drive
Groundwater Plume Discharge Area
6-16 Finance Drive
24 Finance Drive
28 Finance Drive
28 Finance Drive
3 Finance Drive
4 Commerce Drive
3 Commerce Drive
Eagle Rd
Finance Dr
9 Finance Drive
7 Commerce Drive
14-20 Commerce Drive
Commerce Dr
2 Augusta Drive
21 Finance Drive
17 Commerce Drive
21 Commerce Drive
Topographic High Max Elev: 380 ft
27 Augusta Drive
15 Augusta Drive
Augusta Dr
11 Augusta Drive
72 Newtown Road
70 Newtown Road
4 Old Newtown Road
Newtown Rd
Topographic High Max Elev: 450 ft
Still River
Old Newtown Rd
10 Old Newtown Road
66 Newtown Road
56 Newtown Road
15 Old Newtown Road Elevation: 300 ft
Plumtrees Rd
Newtown Rd
Topographic High Max Elev: 350 ft

15 Old Newtown Road
Danbury, Connecticut

Updated Conceptual Site Model

FIGURE 3

WOODARD &CURRAN

Off-Property Groundwater Investigation Status Update	SCALE: 1" = 200'
DATE: JUNE 2013	JOB NO.: 97001
DRAWN BY: BLG	DOC: UPDATED CSM.MXD

APPENDIX A: LABORATORY ANALYTICAL REPORTS – GROUNDWATER & SURFACE WATER

ANALYTICAL REPORT

Lab Number:	L1307920
Client:	Woodard & Curran 40 Shattuck Road Suite 110 Andover, MA 01810
ATTN:	Catharine Rockwell
Phone:	(978) 557-8150
Project Name:	RISDON
Project Number:	97001
Report Date:	05/13/13

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

Lab Number: L1307920
Report Date: 05/13/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1307920-01	DPMW-1	DANBURY, CT	05/01/13 09:10
L1307920-02	MW-703	DANBURY, CT	05/01/13 11:10
L1307920-03	SW-SR1860	DANBURY, CT	05/02/13 08:50
L1307920-04	GW-SR1860	DANBURY, CT	05/02/13 09:15
L1307920-05	SW-SR1640	DANBURY, CT	05/02/13 09:41
L1307920-06	GW-SR1640	DANBURY, CT	05/02/13 10:01
L1307920-07	SW-SR1450	DANBURY, CT	05/02/13 10:19
L1307920-08	GW-SR1450	DANBURY, CT	05/02/13 10:37
L1307920-09	SW-SR1250	DANBURY, CT	05/02/13 11:00
L1307920-10	SW-SR1250 DUP	DANBURY, CT	05/02/13 11:00
L1307920-11	GW-SR1250	DANBURY, CT	05/02/13 11:34
L1307920-12	GW-SR1250 DUP	DANBURY, CT	05/02/13 11:34
L1307920-13	SW-SR1075	DANBURY, CT	05/02/13 11:58
L1307920-14	GW-SR1075	DANBURY, CT	05/02/13 12:22

Project Name: RISDON
Project Number: 97001

Lab Number: L1307920
Report Date: 05/13/13

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
Project Number: 97001

Lab Number: L1307920
Report Date: 05/13/13

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
Project Number: 97001

Lab Number: L1307920
Report Date: 05/13/13

Case Narrative (continued)

Report Submission

This report replaces the report issued on May 10, 2013. At the client's request, MDL values and J-qualifiers have been removed.

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: Cynthia McQueen

Title: Technical Director/Representative Date: 05/13/13

ORGANICS

VOLATILES

Project Name: RISDON **Lab Number:** L1307920

Project Number: 97001 **Report Date:** 05/13/13

SAMPLE RESULTS

Lab ID: L1307920-01
Client ID: DPMW-1
Sample Location: DANBURY, CT
Matrix: Water
Analytical Method: 77,8260C
Analytical Date: 05/08/13 17:19
Analyst: PD

Date Collected: 05/01/13 09:10
Date Received: 05/03/13
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	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	3.1		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	0.58		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:** L1307920

Project Number: 97001 **Report Date:** 05/13/13

SAMPLE RESULTS

Lab ID: L1307920-01 Date Collected: 05/01/13 09:10

Client ID: DPMW-1 Date Received: 05/03/13

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	10		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:** L1307920

Project Number: 97001 **Report Date:** 05/13/13

SAMPLE RESULTS

Lab ID: L1307920-01 Date Collected: 05/01/13 09:10

Client ID: DPMW-1 Date Received: 05/03/13

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	102		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	103		70-130

Project Name: RISDON **Lab Number:** L1307920

Project Number: 97001 **Report Date:** 05/13/13

SAMPLE RESULTS

Lab ID: L1307920-02 D
Client ID: MW-703
Sample Location: DANBURY, CT
Matrix: Water
Analytical Method: 77,8260C
Analytical Date: 05/08/13 17:51
Analyst: PD

Date Collected: 05/01/13 11:10
Date Received: 05/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	100	--	20
1,1-Dichloroethane	ND		ug/l	15	--	20
Chloroform	ND		ug/l	15	--	20
Carbon tetrachloride	ND		ug/l	10	--	20
1,2-Dichloropropane	ND		ug/l	35	--	20
Dibromochloromethane	ND		ug/l	10	--	20
1,1,2-Trichloroethane	ND		ug/l	15	--	20
Tetrachloroethene	110		ug/l	10	--	20
Chlorobenzene	ND		ug/l	10	--	20
Trichlorofluoromethane	ND		ug/l	50	--	20
1,2-Dichloroethane	ND		ug/l	10	--	20
1,1,1-Trichloroethane	44		ug/l	10	--	20
Bromodichloromethane	ND		ug/l	10	--	20
trans-1,3-Dichloropropene	ND		ug/l	10	--	20
cis-1,3-Dichloropropene	ND		ug/l	10	--	20
1,1-Dichloropropene	ND		ug/l	50	--	20
Bromoform	ND		ug/l	40	--	20
1,1,2,2-Tetrachloroethane	ND		ug/l	10	--	20
Benzene	ND		ug/l	10	--	20
Toluene	ND		ug/l	15	--	20
Ethylbenzene	ND		ug/l	10	--	20
Chloromethane	ND		ug/l	50	--	20
Bromomethane	ND		ug/l	20	--	20
Vinyl chloride	ND		ug/l	20	--	20
Chloroethane	ND		ug/l	20	--	20
1,1-Dichloroethene	43		ug/l	10	--	20
trans-1,2-Dichloroethene	ND		ug/l	15	--	20
Trichloroethene	1300		ug/l	10	--	20
1,2-Dichlorobenzene	ND		ug/l	50	--	20
1,3-Dichlorobenzene	ND		ug/l	50	--	20
1,4-Dichlorobenzene	ND		ug/l	50	--	20

Project Name: RISDON **Lab Number:** L1307920

Project Number: 97001 **Report Date:** 05/13/13

SAMPLE RESULTS

Lab ID: L1307920-02 D Date Collected: 05/01/13 11:10

Client ID: MW-703 Date Received: 05/03/13

Sample Location: DANBURY, CT Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	20	--	20
p/m-Xylene	ND		ug/l	20	--	20
o-Xylene	ND		ug/l	20	--	20
Xylene (Total)	ND		ug/l	20	--	20
cis-1,2-Dichloroethene	64		ug/l	10	--	20
Dibromomethane	ND		ug/l	100	--	20
1,2,3-Trichloropropane	ND		ug/l	100	--	20
Styrene	ND		ug/l	20	--	20
Dichlorodifluoromethane	ND		ug/l	100	--	20
Acetone	ND		ug/l	100	--	20
Carbon disulfide	ND		ug/l	100	--	20
2-Butanone	ND		ug/l	100	--	20
4-Methyl-2-pentanone	ND		ug/l	100	--	20
2-Hexanone	ND		ug/l	100	--	20
Acrylonitrile	ND		ug/l	100	--	20
Tetrahydrofuran	ND		ug/l	100	--	20
2,2-Dichloropropane	ND		ug/l	50	--	20
1,2-Dibromoethane	ND		ug/l	40	--	20
1,3-Dichloropropane	ND		ug/l	50	--	20
1,1,1,2-Tetrachloroethane	ND		ug/l	10	--	20
Bromobenzene	ND		ug/l	50	--	20
n-Butylbenzene	ND		ug/l	10	--	20
sec-Butylbenzene	ND		ug/l	10	--	20
tert-Butylbenzene	ND		ug/l	50	--	20
o-Chlorotoluene	ND		ug/l	50	--	20
p-Chlorotoluene	ND		ug/l	50	--	20
1,2-Dibromo-3-chloropropane	ND		ug/l	50	--	20
Hexachlorobutadiene	ND		ug/l	12	--	20
Isopropylbenzene	ND		ug/l	10	--	20
p-Isopropyltoluene	ND		ug/l	10	--	20
Naphthalene	ND		ug/l	50	--	20
n-Propylbenzene	ND		ug/l	10	--	20
1,2,3-Trichlorobenzene	ND		ug/l	50	--	20
1,2,4-Trichlorobenzene	ND		ug/l	50	--	20
1,3,5-Trimethylbenzene	ND		ug/l	50	--	20
1,2,4-Trimethylbenzene	ND		ug/l	50	--	20
trans-1,4-Dichloro-2-butene	ND		ug/l	50	--	20
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	40	--	20

Project Name: RISDON **Lab Number:** L1307920

Project Number: 97001 **Report Date:** 05/13/13

SAMPLE RESULTS

Lab ID: L1307920-02 D Date Collected: 05/01/13 11:10

Client ID: MW-703 Date Received: 05/03/13

Sample Location: DANBURY, CT Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

CT RCP Volatile Organics - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	98		70-130

Project Name: RISDON **Lab Number:** L1307920

Project Number: 97001 **Report Date:** 05/13/13

SAMPLE RESULTS

Lab ID: L1307920-03
Client ID: SW-SR1860
Sample Location: DANBURY, CT
Matrix: Water
Analytical Method: 77,8260C
Analytical Date: 05/08/13 18:22
Analyst: PD

Date Collected: 05/02/13 08:50
Date Received: 05/03/13
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	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	1.2		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:** L1307920

Project Number: 97001 **Report Date:** 05/13/13

SAMPLE RESULTS

Lab ID: L1307920-03 Date Collected: 05/02/13 08:50

Client ID: SW-SR1860 Date Received: 05/03/13

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:** L1307920

Project Number: 97001 **Report Date:** 05/13/13

SAMPLE RESULTS

Lab ID: L1307920-03 Date Collected: 05/02/13 08:50

Client ID: SW-SR1860 Date Received: 05/03/13

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	110		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	99		70-130

Project Name: RISDON **Lab Number:** L1307920

Project Number: 97001 **Report Date:** 05/13/13

SAMPLE RESULTS

Lab ID:	L1307920-04	Date Collected:	05/02/13 09:15
Client ID:	GW-SR1860	Date Received:	05/03/13
Sample Location:	DANBURY, CT	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	77,8260C		
Analytical Date:	05/08/13 18:53		
Analyst:	PD		

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	0.75		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:** L1307920

Project Number: 97001 **Report Date:** 05/13/13

SAMPLE RESULTS

Lab ID: L1307920-04 Date Collected: 05/02/13 09:15

Client ID: GW-SR1860 Date Received: 05/03/13

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:** L1307920

Project Number: 97001 **Report Date:** 05/13/13

SAMPLE RESULTS

Lab ID: L1307920-04 Date Collected: 05/02/13 09:15

Client ID: GW-SR1860 Date Received: 05/03/13

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	110		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	99		70-130

Project Name: RISDON **Lab Number:** L1307920

Project Number: 97001 **Report Date:** 05/13/13

SAMPLE RESULTS

Lab ID: L1307920-05
Client ID: SW-SR1640
Sample Location: DANBURY, CT
Matrix: Water
Analytical Method: 77,8260C
Analytical Date: 05/08/13 19:25
Analyst: PD

Date Collected: 05/02/13 09:41
Date Received: 05/03/13
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	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	1.1		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:** L1307920

Project Number: 97001 **Report Date:** 05/13/13

SAMPLE RESULTS

Lab ID: L1307920-05 Date Collected: 05/02/13 09:41

Client ID: SW-SR1640 Date Received: 05/03/13

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:** L1307920

Project Number: 97001 **Report Date:** 05/13/13

SAMPLE RESULTS

Lab ID: L1307920-05 Date Collected: 05/02/13 09:41

Client ID: SW-SR1640 Date Received: 05/03/13

Sample Location: DANBURY, CT Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

CT RCP Volatile Organics - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	100		70-130

Project Name: RISDON **Lab Number:** L1307920

Project Number: 97001 **Report Date:** 05/13/13

SAMPLE RESULTS

Lab ID:	L1307920-06	Date Collected:	05/02/13 10:01
Client ID:	GW-SR1640	Date Received:	05/03/13
Sample Location:	DANBURY, CT	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	77,8260C		
Analytical Date:	05/08/13 19:56		
Analyst:	PD		

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	0.75		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:** L1307920

Project Number: 97001 **Report Date:** 05/13/13

SAMPLE RESULTS

Lab ID: L1307920-06 Date Collected: 05/02/13 10:01

Client ID: GW-SR1640 Date Received: 05/03/13

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	1.4		ug/l	1.0	--	1
Xylene (Total)	2.4		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:** L1307920

Project Number: 97001 **Report Date:** 05/13/13

SAMPLE RESULTS

Lab ID: L1307920-06 Date Collected: 05/02/13 10:01

Client ID: GW-SR1640 Date Received: 05/03/13

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	110		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	99		70-130

Project Name: RISDON **Lab Number:** L1307920

Project Number: 97001 **Report Date:** 05/13/13

SAMPLE RESULTS

Lab ID:	L1307920-07	Date Collected:	05/02/13 10:19
Client ID:	SW-SR1450	Date Received:	05/03/13
Sample Location:	DANBURY, CT	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	77,8260C		
Analytical Date:	05/08/13 20:28		
Analyst:	PD		

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	1.0		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:** L1307920

Project Number: 97001 **Report Date:** 05/13/13

SAMPLE RESULTS

Lab ID: L1307920-07 Date Collected: 05/02/13 10:19

Client ID: SW-SR1450 Date Received: 05/03/13

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:** L1307920

Project Number: 97001 **Report Date:** 05/13/13

SAMPLE RESULTS

Lab ID: L1307920-07 Date Collected: 05/02/13 10:19

Client ID: SW-SR1450 Date Received: 05/03/13

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	110		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	100		70-130

Project Name: RISDON **Lab Number:** L1307920

Project Number: 97001 **Report Date:** 05/13/13

SAMPLE RESULTS

Lab ID:	L1307920-08	Date Collected:	05/02/13 10:37
Client ID:	GW-SR1450	Date Received:	05/03/13
Sample Location:	DANBURY, CT	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	77,8260C		
Analytical Date:	05/08/13 20:59		
Analyst:	PD		

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	1.2		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:** L1307920

Project Number: 97001 **Report Date:** 05/13/13

SAMPLE RESULTS

Lab ID: L1307920-08 Date Collected: 05/02/13 10:37

Client ID: GW-SR1450 Date Received: 05/03/13

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:** L1307920

Project Number: 97001 **Report Date:** 05/13/13

SAMPLE RESULTS

Lab ID: L1307920-08 Date Collected: 05/02/13 10:37

Client ID: GW-SR1450 Date Received: 05/03/13

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	110		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	99		70-130

Project Name: RISDON **Lab Number:** L1307920

Project Number: 97001 **Report Date:** 05/13/13

SAMPLE RESULTS

Lab ID:	L1307920-09	Date Collected:	05/02/13 11:00
Client ID:	SW-SR1250	Date Received:	05/03/13
Sample Location:	DANBURY, CT	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	77,8260C		
Analytical Date:	05/08/13 21:30		
Analyst:	PD		

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	1.1		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:** L1307920

Project Number: 97001 **Report Date:** 05/13/13

SAMPLE RESULTS

Lab ID: L1307920-09 Date Collected: 05/02/13 11:00

Client ID: SW-SR1250 Date Received: 05/03/13

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	0.50		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:** L1307920

Project Number: 97001 **Report Date:** 05/13/13

SAMPLE RESULTS

Lab ID: L1307920-09 Date Collected: 05/02/13 11:00

Client ID: SW-SR1250 Date Received: 05/03/13

Sample Location: DANBURY, CT Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

CT RCP Volatile Organics - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	100		70-130

Project Name: RISDON **Lab Number:** L1307920

Project Number: 97001 **Report Date:** 05/13/13

SAMPLE RESULTS

Lab ID:	L1307920-10	Date Collected:	05/02/13 11:00
Client ID:	SW-SR1250 DUP	Date Received:	05/03/13
Sample Location:	DANBURY, CT	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	77,8260C		
Analytical Date:	05/08/13 22:02		
Analyst:	PD		

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	1.1		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:** L1307920

Project Number: 97001 **Report Date:** 05/13/13

SAMPLE RESULTS

Lab ID: L1307920-10 Date Collected: 05/02/13 11:00

Client ID: SW-SR1250 DUP Date Received: 05/03/13

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	0.51		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:** L1307920

Project Number: 97001 **Report Date:** 05/13/13

SAMPLE RESULTS

Lab ID: L1307920-10 Date Collected: 05/02/13 11:00

Client ID: SW-SR1250 DUP Date Received: 05/03/13

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	110		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	98		70-130

Project Name: RISDON **Lab Number:** L1307920

Project Number: 97001 **Report Date:** 05/13/13

SAMPLE RESULTS

Lab ID:	L1307920-11	Date Collected:	05/02/13 11:34
Client ID:	GW-SR1250	Date Received:	05/03/13
Sample Location:	DANBURY, CT	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	77,8260C		
Analytical Date:	05/08/13 22:33		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	1.6		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	0.90		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	0.61		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	23		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:** L1307920

Project Number: 97001 **Report Date:** 05/13/13

SAMPLE RESULTS

Lab ID: L1307920-11 Date Collected: 05/02/13 11:34

Client ID: GW-SR1250 Date Received: 05/03/13

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	0.97		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:** L1307920

Project Number: 97001 **Report Date:** 05/13/13

SAMPLE RESULTS

Lab ID: L1307920-11 Date Collected: 05/02/13 11:34

Client ID: GW-SR1250 Date Received: 05/03/13

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	113		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	99		70-130

Project Name: RISDON **Lab Number:** L1307920

Project Number: 97001 **Report Date:** 05/13/13

SAMPLE RESULTS

Lab ID:	L1307920-12	Date Collected:	05/02/13 11:34
Client ID:	GW-SR1250 DUP	Date Received:	05/03/13
Sample Location:	DANBURY, CT	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	77,8260C		
Analytical Date:	05/08/13 23:04		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	1.6		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	0.99		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	0.60		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	23		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:** L1307920

Project Number: 97001 **Report Date:** 05/13/13

SAMPLE RESULTS

Lab ID: L1307920-12 Date Collected: 05/02/13 11:34

Client ID: GW-SR1250 DUP Date Received: 05/03/13

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	1.0		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:** L1307920

Project Number: 97001 **Report Date:** 05/13/13

SAMPLE RESULTS

Lab ID: L1307920-12 Date Collected: 05/02/13 11:34

Client ID: GW-SR1250 DUP Date Received: 05/03/13

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	113		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	100		70-130

Project Name: RISDON **Lab Number:** L1307920

Project Number: 97001 **Report Date:** 05/13/13

SAMPLE RESULTS

Lab ID:	L1307920-13	Date Collected:	05/02/13 11:58
Client ID:	SW-SR1075	Date Received:	05/03/13
Sample Location:	DANBURY, CT	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	77,8260C		
Analytical Date:	05/08/13 23:36		
Analyst:	PD		

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	0.62		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:** L1307920

Project Number: 97001 **Report Date:** 05/13/13

SAMPLE RESULTS

Lab ID: L1307920-13 Date Collected: 05/02/13 11:58

Client ID: SW-SR1075 Date Received: 05/03/13

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:** L1307920

Project Number: 97001 **Report Date:** 05/13/13

SAMPLE RESULTS

Lab ID: L1307920-13 Date Collected: 05/02/13 11:58

Client ID: SW-SR1075 Date Received: 05/03/13

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	103		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	100		70-130

Project Name: RISDON **Lab Number:** L1307920

Project Number: 97001 **Report Date:** 05/13/13

SAMPLE RESULTS

Lab ID: L1307920-14 D
Client ID: GW-SR1075
Sample Location: DANBURY, CT
Matrix: Water
Analytical Method: 77,8260C
Analytical Date: 05/09/13 00:07
Analyst: PD

Date Collected: 05/02/13 12:22
Date Received: 05/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	25	--	5
1,1-Dichloroethane	ND		ug/l	3.8	--	5
Chloroform	ND		ug/l	3.8	--	5
Carbon tetrachloride	ND		ug/l	2.5	--	5
1,2-Dichloropropane	ND		ug/l	8.8	--	5
Dibromochloromethane	ND		ug/l	2.5	--	5
1,1,2-Trichloroethane	ND		ug/l	3.8	--	5
Tetrachloroethene	7.9		ug/l	2.5	--	5
Chlorobenzene	ND		ug/l	2.5	--	5
Trichlorofluoromethane	ND		ug/l	12	--	5
1,2-Dichloroethane	ND		ug/l	2.5	--	5
1,1,1-Trichloroethane	2.7		ug/l	2.5	--	5
Bromodichloromethane	ND		ug/l	2.5	--	5
trans-1,3-Dichloropropene	ND		ug/l	2.5	--	5
cis-1,3-Dichloropropene	ND		ug/l	2.5	--	5
1,1-Dichloropropene	ND		ug/l	12	--	5
Bromoform	ND		ug/l	10	--	5
1,1,2,2-Tetrachloroethane	ND		ug/l	2.5	--	5
Benzene	ND		ug/l	2.5	--	5
Toluene	7.3		ug/l	3.8	--	5
Ethylbenzene	ND		ug/l	2.5	--	5
Chloromethane	ND		ug/l	12	--	5
Bromomethane	ND		ug/l	5.0	--	5
Vinyl chloride	5.4		ug/l	5.0	--	5
Chloroethane	ND		ug/l	5.0	--	5
1,1-Dichloroethene	10		ug/l	2.5	--	5
trans-1,2-Dichloroethene	ND		ug/l	3.8	--	5
Trichloroethene	250		ug/l	2.5	--	5
1,2-Dichlorobenzene	ND		ug/l	12	--	5
1,3-Dichlorobenzene	ND		ug/l	12	--	5
1,4-Dichlorobenzene	ND		ug/l	12	--	5

Project Name: RISDON **Lab Number:** L1307920

Project Number: 97001 **Report Date:** 05/13/13

SAMPLE RESULTS

Lab ID: L1307920-14 D Date Collected: 05/02/13 12:22

Client ID: GW-SR1075 Date Received: 05/03/13

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	5.0	--	5
p/m-Xylene	ND		ug/l	5.0	--	5
o-Xylene	ND		ug/l	5.0	--	5
Xylene (Total)	ND		ug/l	5.0	--	5
cis-1,2-Dichloroethene	44		ug/l	2.5	--	5
Dibromomethane	ND		ug/l	25	--	5
1,2,3-Trichloropropane	ND		ug/l	25	--	5
Styrene	ND		ug/l	5.0	--	5
Dichlorodifluoromethane	ND		ug/l	25	--	5
Acetone	ND		ug/l	25	--	5
Carbon disulfide	ND		ug/l	25	--	5
2-Butanone	ND		ug/l	25	--	5
4-Methyl-2-pentanone	ND		ug/l	25	--	5
2-Hexanone	ND		ug/l	25	--	5
Acrylonitrile	ND		ug/l	25	--	5
Tetrahydrofuran	170		ug/l	25	--	5
2,2-Dichloropropane	ND		ug/l	12	--	5
1,2-Dibromoethane	ND		ug/l	10	--	5
1,3-Dichloropropane	ND		ug/l	12	--	5
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	--	5
Bromobenzene	ND		ug/l	12	--	5
n-Butylbenzene	ND		ug/l	2.5	--	5
sec-Butylbenzene	ND		ug/l	2.5	--	5
tert-Butylbenzene	ND		ug/l	12	--	5
o-Chlorotoluene	ND		ug/l	12	--	5
p-Chlorotoluene	ND		ug/l	12	--	5
1,2-Dibromo-3-chloropropane	ND		ug/l	12	--	5
Hexachlorobutadiene	ND		ug/l	3.0	--	5
Isopropylbenzene	ND		ug/l	2.5	--	5
p-Isopropyltoluene	ND		ug/l	2.5	--	5
Naphthalene	ND		ug/l	12	--	5
n-Propylbenzene	ND		ug/l	2.5	--	5
1,2,3-Trichlorobenzene	ND		ug/l	12	--	5
1,2,4-Trichlorobenzene	ND		ug/l	12	--	5
1,3,5-Trimethylbenzene	ND		ug/l	12	--	5
1,2,4-Trimethylbenzene	ND		ug/l	12	--	5
trans-1,4-Dichloro-2-butene	ND		ug/l	12	--	5
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	10	--	5

Project Name: RISDON **Lab Number:** L1307920

Project Number: 97001 **Report Date:** 05/13/13

SAMPLE RESULTS

Lab ID: L1307920-14 D Date Collected: 05/02/13 12:22

Client ID: GW-SR1075 Date Received: 05/03/13

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	103		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	100		70-130

Project Name: RISDON
Project Number: 97001

Lab Number: L1307920
Report Date: 05/13/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8260C
Analytical Date: 05/08/13 15:45
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Volatile Organics - Westborough Lab for sample(s): 01-14 Batch: WG606834-3					
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
Project Number: 97001

Lab Number: L1307920
Report Date: 05/13/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8260C
Analytical Date: 05/08/13 15:45
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Volatile Organics - Westborough Lab for sample(s): 01-14 Batch: WG606834-3					
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

Lab Number: L1307920
Report Date: 05/13/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8260C
Analytical Date: 05/08/13 15:45
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Volatile Organics - Westborough Lab for sample(s): 01-14 Batch: WG606834-3					
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	109		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001

Lab Number: L1307920
Report Date: 05/13/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Volatile Organics - Westborough Lab Associated sample(s): 01-14 Batch: WG606834-1 WG606834-2								
Methylene chloride	92		102		70-130	10		30
1,1-Dichloroethane	91		103		70-130	12		30
Chloroform	92		104		70-130	12		30
Carbon tetrachloride	73		87		70-130	18		30
1,2-Dichloropropane	94		104		70-130	10		30
Dibromochloromethane	80		89		70-130	11		30
1,1,2-Trichloroethane	102		108		70-130	6		30
Tetrachloroethene	75		85		70-130	13		30
Chlorobenzene	87		97		70-130	11		30
Trichlorofluoromethane	93		107		70-130	14		30
1,2-Dichloroethane	109		116		70-130	6		30
1,1,1-Trichloroethane	82		95		70-130	15		30
Bromodichloromethane	86		98		70-130	13		30
trans-1,3-Dichloropropene	93		99		70-130	6		30
cis-1,3-Dichloropropene	90		100		70-130	11		30
1,1-Dichloropropene	86		98		70-130	13		30
Bromoform	63		69		54-136	9		30
1,1,2,2-Tetrachloroethane	104		107		70-130	3		30
Benzene	89		100		70-130	12		30
Toluene	86		96		70-130	11		30
Ethylbenzene	87		98		70-130	12		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RISDON
Project Number: 97001

Lab Number: L1307920
Report Date: 05/13/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Volatile Organics - Westborough Lab Associated sample(s): 01-14 Batch: WG606834-1 WG606834-2								
Chloromethane	113		129		64-130	13		30
Bromomethane	91		99		39-139	8		30
Vinyl chloride	117		**135**	Q	70-130	14		30
Chloroethane	108		121		70-130	11		30
1,1-Dichloroethene	84		97		70-130	14		30
trans-1,2-Dichloroethene	86		96		70-130	11		30
Trichloroethene	86		97		70-130	12		30
1,2-Dichlorobenzene	90		98		70-130	9		30
1,3-Dichlorobenzene	85		93		70-130	9		30
1,4-Dichlorobenzene	86		95		70-130	10		30
Methyl tert butyl ether	104		110		70-130	6		30
p/m-Xylene	85		96		70-130	12		30
o-Xylene	87		97		70-130	11		30
cis-1,2-Dichloroethene	89		97		70-130	9		30
Dibromomethane	103		107		70-130	4		30
1,2,3-Trichloropropane	109		112		70-130	3		30
Styrene	92		103		70-130	11		30
Dichlorodifluoromethane	97		110		36-147	13		30
Acetone	113		100		58-148	12		30
Carbon disulfide	87		98		51-130	12		30
2-Butanone	98		88		63-138	11		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RISDON
Project Number: 97001

Lab Number: L1307920
Report Date: 05/13/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Volatile Organics - Westborough Lab Associated sample(s): 01-14 Batch: WG606834-1 WG606834-2								
4-Methyl-2-pentanone	112		113		59-130	1		30
2-Hexanone	100		96		57-130	4		30
Acrylonitrile	122		121		70-130	1		30
Tetrahydrofuran	121		119		70-130	2		30
2,2-Dichloropropane	86		97		63-133	12		30
1,2-Dibromoethane	102		106		70-130	4		30
1,3-Dichloropropane	104		110		70-130	6		30
1,1,1,2-Tetrachloroethane	76		87		70-130	13		30
Bromobenzene	84		93		70-130	10		30
n-Butylbenzene	81		95		70-130	16		30
sec-Butylbenzene	79		91		70-130	14		30
tert-Butylbenzene	78		90		70-130	14		30
o-Chlorotoluene	87		98		70-130	12		30
p-Chlorotoluene	88		99		70-130	12		30
1,2-Dibromo-3-chloropropane	93		96		41-144	3		30
Hexachlorobutadiene	**69**	Q	81		70-130	16		30
Isopropylbenzene	85		96		70-130	12		30
p-Isopropyltoluene	79		90		70-130	13		30
Naphthalene	104		110		70-130	6		30
n-Propylbenzene	84		96		70-130	13		30
1,2,3-Trichlorobenzene	89		98		70-130	10		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RISDON
Project Number: 97001

Lab Number: L1307920
Report Date: 05/13/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Volatile Organics - Westborough Lab Associated sample(s): 01-14 Batch: WG606834-1 WG606834-2								
1,2,4-Trichlorobenzene	83		93		70-130	11		30
1,3,5-Trimethylbenzene	84		96		70-130	13		30
1,2,4-Trimethylbenzene	86		98		70-130	13		30
trans-1,4-Dichloro-2-butene	95		102		70-130	7		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	87		99		70-130	13		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	114		112		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	102		100		70-130
Dibromofluoromethane	102		102		70-130

Project Name: RISDON
Project Number: 97001

Lab Number: L1307920
Report Date: 05/13/13

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(*)
L1307920-01A	Vial HCl preserved	A	N/A	3.1	Y	Absent	CT-8260(14)
L1307920-01B	Vial HCl preserved	A	N/A	3.1	Y	Absent	CT-8260(14)
L1307920-01C	Vial HCl preserved	A	N/A	3.1	Y	Absent	CT-8260(14)
L1307920-02A	Vial HCl preserved	A	N/A	3.1	Y	Absent	CT-8260(14)
L1307920-02B	Vial HCl preserved	A	N/A	3.1	Y	Absent	CT-8260(14)
L1307920-02C	Vial HCl preserved	A	N/A	3.1	Y	Absent	CT-8260(14)
L1307920-03A	Vial HCl preserved	A	N/A	3.1	Y	Absent	CT-8260(14)
L1307920-03B	Vial HCl preserved	A	N/A	3.1	Y	Absent	CT-8260(14)
L1307920-03C	Vial HCl preserved	A	N/A	3.1	Y	Absent	CT-8260(14)
L1307920-04A	Vial HCl preserved	A	N/A	3.1	Y	Absent	CT-8260(14)
L1307920-04B	Vial HCl preserved	A	N/A	3.1	Y	Absent	CT-8260(14)
L1307920-04C	Vial HCl preserved	A	N/A	3.1	Y	Absent	CT-8260(14)
L1307920-05A	Vial HCl preserved	A	N/A	3.1	Y	Absent	CT-8260(14)
L1307920-05B	Vial HCl preserved	A	N/A	3.1	Y	Absent	CT-8260(14)
L1307920-05C	Vial HCl preserved	A	N/A	3.1	Y	Absent	CT-8260(14)
L1307920-06A	Vial HCl preserved	A	N/A	3.1	Y	Absent	CT-8260(14)
L1307920-06B	Vial HCl preserved	A	N/A	3.1	Y	Absent	CT-8260(14)
L1307920-06C	Vial HCl preserved	A	N/A	3.1	Y	Absent	CT-8260(14)
L1307920-07A	Vial HCl preserved	A	N/A	3.1	Y	Absent	CT-8260(14)
L1307920-07B	Vial HCl preserved	A	N/A	3.1	Y	Absent	CT-8260(14)
L1307920-07C	Vial HCl preserved	A	N/A	3.1	Y	Absent	CT-8260(14)
L1307920-08A	Vial HCl preserved	A	N/A	3.1	Y	Absent	CT-8260(14)
L1307920-08B	Vial HCl preserved	A	N/A	3.1	Y	Absent	CT-8260(14)
L1307920-08C	Vial HCl preserved	A	N/A	3.1	Y	Absent	CT-8260(14)
L1307920-09A	Vial HCl preserved	A	N/A	3.1	Y	Absent	CT-8260(14)
L1307920-09B	Vial HCl preserved	A	N/A	3.1	Y	Absent	CT-8260(14)
L1307920-09C	Vial HCl preserved	A	N/A	3.1	Y	Absent	CT-8260(14)

*Values in parentheses indicate holding time in days

Project Name: RISDON
Project Number: 97001

Lab Number: L1307920
Report Date: 05/13/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1307920-10A	Vial HCl preserved	A	N/A	3.1	Y	Absent	CT-8260(14)
L1307920-10B	Vial HCl preserved	A	N/A	3.1	Y	Absent	CT-8260(14)
L1307920-10C	Vial HCl preserved	A	N/A	3.1	Y	Absent	CT-8260(14)
L1307920-11A	Vial HCl preserved	A	N/A	3.1	Y	Absent	CT-8260(14)
L1307920-11B	Vial HCl preserved	A	N/A	3.1	Y	Absent	CT-8260(14)
L1307920-11C	Vial HCl preserved	A	N/A	3.1	Y	Absent	CT-8260(14)
L1307920-12A	Vial HCl preserved	A	N/A	3.1	Y	Absent	CT-8260(14)
L1307920-12B	Vial HCl preserved	A	N/A	3.1	Y	Absent	CT-8260(14)
L1307920-12C	Vial HCl preserved	A	N/A	3.1	Y	Absent	CT-8260(14)
L1307920-13A	Vial HCl preserved	A	N/A	3.1	Y	Absent	CT-8260(14)
L1307920-13B	Vial HCl preserved	A	N/A	3.1	Y	Absent	CT-8260(14)
L1307920-13C	Vial HCl preserved	A	N/A	3.1	Y	Absent	CT-8260(14)
L1307920-14A	Vial HCl preserved	A	N/A	3.1	Y	Absent	CT-8260(14)
L1307920-14B	Vial HCl preserved	A	N/A	3.1	Y	Absent	CT-8260(14)
L1307920-14C	Vial HCl preserved	A	N/A	3.1	Y	Absent	CT-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	RISDON	**Lab Number:**	L1307920
Project Number:	97001	**Report Date:**	05/13/13

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:**	L1307920
Project Number:	97001	**Report Date:**	05/13/13

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:**	L1307920
Project Number:	97001	**Report Date:**	05/13/13

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 December 19, 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, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 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; ColilertOT 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 6010C, 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, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 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, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 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, 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, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 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, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 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, 3620C, 3630C, 5030B, 5035L, 5035H, 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, 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, 9010C, 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 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 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, 7470A, 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, 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, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 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. ***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, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 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 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 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, 7196A, 3500-Cr-D. 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. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

MANSFIELD CHAIN OF CUSTODY

PAGE 1 OF 2

Date Rec'd in Lab: 5/3/13

ALPHA Job #: L1307920

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: 40 Shattuck Road Suite 110 Andover, MA
Phone: 978 557 8150
Fax:
Email: crockwell@woodardcurran.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Risdon
Project Location: Danbury, CT
Project #: 97001
Project Manager: Cathy Rockwell
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 5/10/13 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
Connecticut	See QAPP

Other Project Specific Requirements/Comments/Detection Limits:

PLEASE NOTE
MS/MSD (at unit cost) will be omitted unless you check here: ☐

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Sample Specific Comments
07920 1	DPMW-1 *	5/1/13	910	GW	BLG	
2	MW-703 *	5/1/13	1110	GW	BLG	Please See
3	SW-SR1860	5/2/13	8:50	SW	BLG	Attached Tables
4	GW-SR1860	5/2/13	9:15	GW	BLG	6-3 & 9
5	SW-SR1640	5/2/13	941	SW	BLG	
6	GW-SR1640	5/2/13	10:01	GW	BLG	~~* Table 6-2~~ 5 WQP
7	SW-SR1450	5/2/13	1019	SW	BLG	
8	GW-SR1450	5/2/13	1037	GW	BLG	
9	SW-SR1250	5/2/13	1100	SW	BLG	
10	SW-SR1250 DUP	5/2/13	1100	SW	BLG	

ANALYSIS: 8260b CT RCP

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

TOTAL # BOTTLES

Container Type	V
Preservative	B

Relinquished By:	Date/Time	Received By:	Date/Time
	5/3/13 1100		5/3/13 1345
	5/3/13 1820		5/3/13 1820

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: 101-09 (rev. 27-SEP-10)

MANSFIELD CHAIN OF CUSTODY

PAGE 2 OF 2

Date Rec'd In Lab: 5/3/13

ALPHA Job #: L1307920

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: 40 Shattuck Rd Suite 110
Andover, MA 01810
Phone: 978 557 8150
Fax:
Email: crockwell@woodardcurran.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Risdon
Project Location: Danbury, CT
Project #: 97001
Project Manager: Cathy Rockwell
ALPHA Quote #:

Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
Connecticut	Ees QAPP

Other Project Specific Requirements/Comments/Detection Limits:

PLEASE NOTE
MS/MSD (at unit cost) will be omitted unless you check here: ☐

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS 8260b CT RCP	SAMPLE HANDLING / Sample Specific Comments	TOTAL # BOTTLES
11	GW-SR1250	5/2/13	1134	GW	BLG	X		3
12	GW-SR1250 DUP	5/2/13	1134	GW	BLG	X	Please See	3
13	SW-SR1075	5/2/13	1158	SW	BLG	X	Attched tables	3
14	GW-SR1075	5/2/13	1222	GW	BLG	X		3

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

Container Type	V
Preservative	B

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.

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	5/2/13 1100	[signature]	5/3/13 1345
[signature]	5/3/13 1820	[signature]	5/3/13 1820

FORM NO: 101-09 (rev. 27-SEP-10)

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

Analytes	CAS Number	Current Action Limit (µg/l)	Proposed Project Action Limit [1] (µg/l)	Analytical Method RL (µg/l)	Analytical Method QL (µg/l)	Laboratory MDL (µg/l)
1,1,1,2-Tetrachloroethane	630-20-6		9.48	0.5	NE	0.25
1,1,1-Trichloroethane	71-55-6		76	0.5	NE	0.25
1,1,2,2,-Tetrachloroethane	79-34-5	---	3.5	0.5	NE	0.25
1,1,2-Trichloroethane	79-00-5	42	13.65	0.5	NE	0.375
1,1-Dichloroethane	75-34-3	---	410	0.5	NE	0.375
1,1-Dichloroethene	75-35-4	---	210	0.5	NE	0.25
1,1-Dichloropropene	563-58-6		NE	0.5	NE	1.25
1,2,3-Trichloropropane	96-18-4		NE	0.5	NE	0.875
1,2,3-Trichlorobenzene	87-61-6		NE	0.5	NE	1.25
1,2,4-Trichlorobenzene	120-82-1	940	5	0.5	NE	1.25
1,2,4-Trimethylbenzene	95-63-6		16	0.5	NE	1.25
1,2-Dibromo-3-chloropropane	96-12-8		NE	0.5	NE	1.25
1,2-Dibromoethane	106-93-4		NE	0.5	NE	1
1,2-Dichlorobenzene	95- 50-1	17000	23	0.5	NE	1.25
1,2-Dichloroethane	107-06-2	99	32	0.5	NE	0.25
1,2-Dichloropropane	78-87-5	39	24	0.5	NE	0.875
1,3,5-Trimethylbenzene	108-67-8		26	0.5	NE	1.25
1,3-Dichlorobenzene	541-73-1	2600	13	0.5	NE	1.25
1,3-Dichloropropane	142-28-9	1700	NE	0.5	NE	1.25
1,4-Dichlorobenzene	106-46-7	2600	2.6	0.5	NE	1.25
2,2-Dichloropropane	594-20-7		NE	0.5	NE	1.25
2-Butanone	78-93-3		13,752	0.5	NE	2.5
2-Hexanone	591-78-6		NE	0.5	NE	2.5
4-Methyl-2-pentanone	108-10-1		70,000	0.5	NE	2.5
Acetone	67-64-1		1,700	0.5	NE	2.5
Acrylonitrile	107-13-1	0.66	2,800	0.5	NE	2.5
Benzene	71-43-2	71	6.73	0.5	NE	0.25
Bromobenzene	108-86-1		NE	0.5	NE	1.25
Bromodichloromethane	75-27-4	46	15	0.5	NE	0.25
Bromoform	75-25-2	360	NE	0.5	NE	1
Bromomethane	74-83-9		0.005*	0.5	NE	0.5
Carbon Disulfide	75-15-0		15	0.5	NE	2.5
Carbon Tetrachloride	56-23-5	4.4	1.44	0.5	NE	0.25
Chlorobenzene	108-90-7	21000	47	0.5	NE	0.25
Chloroethane	75-00-3	---	752	0.5	NE	0.5
Chloroform	67-66-3	470	140	0.5	NE	0.375
Chloromethane	74-87-3		199	0.5	NE	1.25
cis-1,2-Dichloroethene	156-59-2	140000	620	0.5	NE	0.25
cis-1,3-Dichloropropene	10061-01-5		1.7	0.5	NE	0.25
Dibromochloromethane	124-48-1	34	NE	0.5	NE	0.25

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

Analytes	CAS Number	Current Action Limit (µg/l)	Proposed Project Action Limit [1] (µg/l)	Analytical Method RL (µg/l)	Analytical Method QL (µg/l)	Laboratory MDL (µg/l)
Dibromomethane	74-95-3		NE	0.5	NE	2.5
Dichlorodifluoromethane	75-71-8	46	9,642	0.5	NE	2.5
Ethylbenzene	100-41-4		61	0.5	NE	0.25
Freon-113	76-13-1		98315	0.5	NE	5
Hexachlorobutadiene	87-68-3	50	50	0.5	NE	0.25
Isopropylbenzene	98-82-8		21	0.5	NE	0.25
Methyl tert butyl ether	1634-04-4		5,600	0.5	NE	0.5
Methylene Chloride	75-09-2	1600	519	0.5	NE	2.5
Naphthalene	91-20-3	20513	21	0.5	NE	1.25
n-Butylbenzene	104-51-8		NE	0.5	NE	0.25
n-Propylbenzene	103-65-1		NE	0.5	NE	0.25
o-Chlorotoluene	95-49-8		41	0.5	NE	1.25
o-Xylene	95-47-6		27 (total)	0.5	NE	0.5
p/m-xylene	106-42-3/ 108-38-3		27 (total)	0.5	NE	0.5
p-Chlorotoluene	106-43-4		7	0.5	NE	1.25
p-Isopropyltoluene	99-87-6		16.5	0.5	NE	0.25
sec-Butylbenzene	135-98-8		NE	0.5	NE	0.25
Styrene	100-42-5		24	0.5	NE	0.5
tert-Butylbenzene	98-06-6		NE	0.5	NE	1.25
Tetrachloroethene	127-18-4		0.21*	0.5	NE	0.25
Tetrahydrofuran	109-99-9		368	0.5	NE	5
Toluene	108-88-3	200000	62	0.5	NE	0.375
trans-1,2-Dichloroethene	156-60-5		560	0.5	NE	0.375
trans-1,3-Dichloropropene	10061-02-6		NE	0.5	NE	0.25
trans-1,4-Dichloro-2-Butene	110-57-6		NE	0.5	NE	1.25
Trichloroethene	79-01-6		3.71	0.5	NE	0.25
Trichlorofluoromethane	75-65-4		30,045	0.5	NE	1.25
Vinyl Chloride	75-01-4		2	0.5	NE	0.5

Notes:

1) The proposed project action limits are based on the lowest value for each compound of the December 2009 Proposed CT Water Quality Criteria - between the Aquatic Freshwater Chronic value Human health - consumption of organisms only values; these may change if the proposed criteria are modified prior to being finalized.

* Note that the the analytical method can not meet the Proposed Water Quality Criteria, therefore the PAL will be the laboratory quantitation limit.

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

NE = Not Established

RL = Reporting Limit

MDLs = Method Dectection Limits

QLs = Laboratory's standard Quantitation Limits

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

Laboratory QL *(µg/l)*
0.5
0.5
0.5
0.75
0.75
0.5
2.5
1.75
2.5
2.5
2.5
2.5
2
2.5
0.5
1.75
2.5
2.5
2.5
2.5
2.5
5
5
5
5
5
0.5
2.5
0.5
2
1
5
0.5
0.5
1
0.75
2.5
0.5
0.5
0.5

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

Laboratory QL (µg/l)
5
5
0.5
10
0.5
0.5
1
5
2.5
0.5
0.5
2.5
1
1
2.5
0.5
0.5
1
2.5
0.5
10
0.75
0.75
0.5
2.5
0.5
2.5
1

ılues and I

Bill DePascale

From: Catharine Rockwell
Sent: Wednesday, May 01, 2013 4:17 PM
To: Katie O'Brien (kobrien@alphalab.com)
Cc: Bill DePascale
Subject: Risdon - SW, GW and Sediment
Attachments: QAPP Table 6-6b sediment metals.pdf; QAPP Table 6-6a sediment VOCs.pdf; QAPP - Table 6-3b surface water VOCs.pdf; QAPP - Table 6-3b surface water metals.pdf

Hi Katie
Just a heads up that we will be submitting some samples from Risdon this week. They are being collected today/ tomorrow and include GW, surface water and one sediment sample. We will include the QAPP tables with the COCs but wanted to make sure you are aware of the limits prior to their arrival.

Note:
1 - For the sediment VOC sample, we need Acetone, Acrylonitrile, and Bromomethane reported to the lab IDL – highlighted on attached Table 6-6a
2 – For the surface water VOC samples, we need Bromomethane and PCE reported to the lab MDL – highlighted on attached Table 6-6b

**For the surface water sampled for metals – I have attached the project action limits for each. The last time we sampled for SW we requested reporting to the IDL when the RL did not meet the project action limits....and well, this did not happen for whatever reason. I'm trying to be proactive on this and hope we can coordinate this efficiently. EPA and CTDEEP are anxiously awaiting the results of this phase of work and we cannot let it extend out a month before we see results.

Please feel free to give me a call if you have any questions –
Thanks!
Cathy

Catharine M. Rockwell, P.E.
Sr. Project Engineer
Woodard & Curran, Inc.
40 Shattuck Road, Suite 110
Andover, MA 01810
(p) 978-557-8150
(f) 978-557-7948

ANALYTICAL REPORT

Lab Number:	L1308892
Client:	Woodard & Curran 40 Shattuck Road Suite 110 Andover, MA 01810
ATTN:	Catharine Rockwell
Phone:	(978) 557-8150
Project Name:	RISDON
Project Number:	97001.00
Report Date:	05/23/13

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

Lab Number: L1308892
Report Date: 05/23/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1308892-01	SW-SR875	DANBURY, CT	05/15/13 13:50
L1308892-02	GW-SR875	DANBURY, CT	05/15/13 14:15

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1308892
Report Date: 05/23/13

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?	YES
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
Project Number: 97001.00

Lab Number: L1308892
Report Date: 05/23/13

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
Project Number: 97001.00

Lab Number: L1308892
Report Date: 05/23/13

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: Lisa Westerlind

Title: Technical Director/Representative

Date: 05/23/13

ORGANICS

VOLATILES

Project Name: RISDON **Lab Number:** L1308892

Project Number: 97001.00 **Report Date:** 05/23/13

SAMPLE RESULTS

Lab ID: L1308892-01
Client ID: SW-SR875
Sample Location: DANBURY, CT
Matrix: Water
Analytical Method: 77,8260C
Analytical Date: 05/22/13 17:07
Analyst: PD

Date Collected: 05/15/13 13:50
Date Received: 05/16/13
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	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	0.51		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	3.3		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:** L1308892

Project Number: 97001.00 **Report Date:** 05/23/13

SAMPLE RESULTS

Lab ID: L1308892-01 Date Collected: 05/15/13 13:50

Client ID: SW-SR875 Date Received: 05/16/13

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:** L1308892

Project Number: 97001.00 **Report Date:** 05/23/13

SAMPLE RESULTS

Lab ID: L1308892-01 Date Collected: 05/15/13 13:50

Client ID: SW-SR875 Date Received: 05/16/13

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	119		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	109		70-130

Project Name: RISDON **Lab Number:** L1308892

Project Number: 97001.00 **Report Date:** 05/23/13

SAMPLE RESULTS

Lab ID: L1308892-02 D
Client ID: GW-SR875
Sample Location: DANBURY, CT
Matrix: Water
Analytical Method: 77,8260C
Analytical Date: 05/23/13 10:54
Analyst: PD

Date Collected: 05/15/13 14:15
Date Received: 05/16/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	100	--	20
1,1-Dichloroethane	ND		ug/l	15	--	20
Chloroform	ND		ug/l	15	--	20
Carbon tetrachloride	ND		ug/l	10	--	20
1,2-Dichloropropane	ND		ug/l	35	--	20
Dibromochloromethane	ND		ug/l	10	--	20
1,1,2-Trichloroethane	ND		ug/l	15	--	20
Tetrachloroethene	100		ug/l	10	--	20
Chlorobenzene	ND		ug/l	10	--	20
Trichlorofluoromethane	ND		ug/l	50	--	20
1,2-Dichloroethane	ND		ug/l	10	--	20
1,1,1-Trichloroethane	86		ug/l	10	--	20
Bromodichloromethane	ND		ug/l	10	--	20
trans-1,3-Dichloropropene	ND		ug/l	10	--	20
cis-1,3-Dichloropropene	ND		ug/l	10	--	20
1,1-Dichloropropene	ND		ug/l	50	--	20
Bromoform	ND		ug/l	40	--	20
1,1,2,2-Tetrachloroethane	ND		ug/l	10	--	20
Benzene	ND		ug/l	10	--	20
Toluene	ND		ug/l	15	--	20
Ethylbenzene	ND		ug/l	10	--	20
Chloromethane	ND		ug/l	50	--	20
Bromomethane	ND		ug/l	20	--	20
Vinyl chloride	ND		ug/l	20	--	20
Chloroethane	ND		ug/l	20	--	20
1,1-Dichloroethene	45		ug/l	10	--	20
trans-1,2-Dichloroethene	ND		ug/l	15	--	20
Trichloroethene	1300		ug/l	10	--	20
1,2-Dichlorobenzene	ND		ug/l	50	--	20
1,3-Dichlorobenzene	ND		ug/l	50	--	20
1,4-Dichlorobenzene	ND		ug/l	50	--	20

Project Name: RISDON **Lab Number:** L1308892

Project Number: 97001.00 **Report Date:** 05/23/13

SAMPLE RESULTS

Lab ID: L1308892-02 D Date Collected: 05/15/13 14:15

Client ID: GW-SR875 Date Received: 05/16/13

Sample Location: DANBURY, CT Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	20	--	20
p/m-Xylene	ND		ug/l	20	--	20
o-Xylene	ND		ug/l	20	--	20
Xylene (Total)	ND		ug/l	20	--	20
cis-1,2-Dichloroethene	38		ug/l	10	--	20
Dibromomethane	ND		ug/l	100	--	20
1,2,3-Trichloropropane	ND		ug/l	100	--	20
Styrene	ND		ug/l	20	--	20
Dichlorodifluoromethane	ND		ug/l	100	--	20
Acetone	ND		ug/l	100	--	20
Carbon disulfide	ND		ug/l	100	--	20
2-Butanone	ND		ug/l	100	--	20
4-Methyl-2-pentanone	ND		ug/l	100	--	20
2-Hexanone	ND		ug/l	100	--	20
Acrylonitrile	ND		ug/l	100	--	20
Tetrahydrofuran	ND		ug/l	100	--	20
2,2-Dichloropropane	ND		ug/l	50	--	20
1,2-Dibromoethane	ND		ug/l	40	--	20
1,3-Dichloropropane	ND		ug/l	50	--	20
1,1,1,2-Tetrachloroethane	ND		ug/l	10	--	20
Bromobenzene	ND		ug/l	50	--	20
n-Butylbenzene	ND		ug/l	10	--	20
sec-Butylbenzene	ND		ug/l	10	--	20
tert-Butylbenzene	ND		ug/l	50	--	20
o-Chlorotoluene	ND		ug/l	50	--	20
p-Chlorotoluene	ND		ug/l	50	--	20
1,2-Dibromo-3-chloropropane	ND		ug/l	50	--	20
Hexachlorobutadiene	ND		ug/l	12	--	20
Isopropylbenzene	ND		ug/l	10	--	20
p-Isopropyltoluene	ND		ug/l	10	--	20
Naphthalene	ND		ug/l	50	--	20
n-Propylbenzene	ND		ug/l	10	--	20
1,2,3-Trichlorobenzene	ND		ug/l	50	--	20
1,2,4-Trichlorobenzene	ND		ug/l	50	--	20
1,3,5-Trimethylbenzene	ND		ug/l	50	--	20
1,2,4-Trimethylbenzene	ND		ug/l	50	--	20
trans-1,4-Dichloro-2-butene	ND		ug/l	50	--	20
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	40	--	20

Project Name: RISDON **Lab Number:** L1308892

Project Number: 97001.00 **Report Date:** 05/23/13

SAMPLE RESULTS

Lab ID: L1308892-02 D
Client ID: GW-SR875
Sample Location: DANBURY, CT

Date Collected: 05/15/13 14:15
Date Received: 05/16/13
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	115		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	106		70-130

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1308892
Report Date: 05/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8260C
Analytical Date: 05/22/13 16:23
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Volatile Organics - Westborough Lab for sample(s): 01 Batch: WG610069-3					
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
Project Number: 97001.00

Lab Number: L1308892
Report Date: 05/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8260C
Analytical Date: 05/22/13 16:23
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Volatile Organics - Westborough Lab for sample(s): 01 Batch: WG610069-3					
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: 97001.00

Lab Number: L1308892
Report Date: 05/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8260C
Analytical Date: 05/22/13 16:23
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Volatile Organics - Westborough Lab for sample(s): 01 Batch: WG610069-3					
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	117		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	108		70-130

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1308892
Report Date: 05/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8260C
Analytical Date: 05/23/13 10:22
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Volatile Organics - Westborough Lab for sample(s): 02 Batch: WG610193-3					
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
Project Number: 97001.00

Lab Number: L1308892
Report Date: 05/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8260C
Analytical Date: 05/23/13 10:22
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Volatile Organics - Westborough Lab for sample(s): 02 Batch: WG610193-3					
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: 97001.00

Lab Number: L1308892
Report Date: 05/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8260C
Analytical Date: 05/23/13 10:22
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Volatile Organics - Westborough Lab for sample(s): 02 Batch: WG610193-3					
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	112		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	105		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1308892
Report Date: 05/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Volatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG610069-1 WG610069-2								
Methylene chloride	100		100		70-130	0		30
1,1-Dichloroethane	108		105		70-130	3		30
Chloroform	109		106		70-130	3		30
Carbon tetrachloride	105		99		70-130	6		30
1,2-Dichloropropane	105		104		70-130	1		30
Dibromochloromethane	97		100		70-130	3		30
1,1,2-Trichloroethane	107		108		70-130	1		30
Tetrachloroethene	109		102		70-130	7		30
Chlorobenzene	103		103		70-130	0		30
Trichlorofluoromethane	118		109		70-130	8		30
1,2-Dichloroethane	117		117		70-130	0		30
1,1,1-Trichloroethane	116		109		70-130	6		30
Bromodichloromethane	112		111		70-130	1		30
trans-1,3-Dichloropropene	107		112		70-130	5		30
cis-1,3-Dichloropropene	110		108		70-130	2		30
1,1-Dichloropropene	110		103		70-130	7		30
Bromoform	86		94		54-136	9		30
1,1,2,2-Tetrachloroethane	100		106		70-130	6		30
Benzene	106		102		70-130	4		30
Toluene	103		102		70-130	1		30
Ethylbenzene	107		106		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1308892
Report Date: 05/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Volatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG610069-1 WG610069-2								
Chloromethane	94		90		64-130	4		30
Bromomethane	71		68		39-139	4		30
Vinyl chloride	111		103		70-130	7		30
Chloroethane	110		102		70-130	8		30
1,1-Dichloroethene	106		96		70-130	10		30
trans-1,2-Dichloroethene	103		99		70-130	4		30
Trichloroethene	106		102		70-130	4		30
1,2-Dichlorobenzene	102		104		70-130	2		30
1,3-Dichlorobenzene	100		100		70-130	0		30
1,4-Dichlorobenzene	99		100		70-130	1		30
Methyl tert butyl ether	111		113		70-130	2		30
p/m-Xylene	109		107		70-130	2		30
o-Xylene	108		107		70-130	1		30
cis-1,2-Dichloroethene	102		100		70-130	2		30
Dibromomethane	112		111		70-130	1		30
1,2,3-Trichloropropane	102		106		70-130	4		30
Styrene	108		109		70-130	1		30
Dichlorodifluoromethane	118		110		36-147	7		30
Acetone	122		121		58-148	1		30
Carbon disulfide	106		98		51-130	8		30
2-Butanone	121		122		63-138	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1308892
Report Date: 05/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Volatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG610069-1 WG610069-2								
4-Methyl-2-pentanone	110		112		59-130	2		30
2-Hexanone	111		118		57-130	6		30
Acrylonitrile	108		113		70-130	5		30
Tetrahydrofuran	118		123		70-130	4		30
2,2-Dichloropropane	114		107		63-133	6		30
1,2-Dibromoethane	112		118		70-130	5		30
1,3-Dichloropropane	106		108		70-130	2		30
1,1,1,2-Tetrachloroethane	101		104		70-130	3		30
Bromobenzene	100		100		70-130	0		30
n-Butylbenzene	101		96		70-130	5		30
sec-Butylbenzene	102		96		70-130	6		30
tert-Butylbenzene	103		98		70-130	5		30
o-Chlorotoluene	100		100		70-130	0		30
p-Chlorotoluene	100		100		70-130	0		30
1,2-Dibromo-3-chloropropane	102		111		41-144	8		30
Hexachlorobutadiene	98		92		70-130	6		30
Isopropylbenzene	109		106		70-130	3		30
p-Isopropyltoluene	103		98		70-130	5		30
Naphthalene	100		104		70-130	4		30
n-Propylbenzene	103		99		70-130	4		30
1,2,3-Trichlorobenzene	97		101		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1308892
Report Date: 05/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Volatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG610069-1 WG610069-2								
1,2,4-Trichlorobenzene	97		99		70-130	2		30
1,3,5-Trimethylbenzene	102		101		70-130	1		30
1,2,4-Trimethylbenzene	101		100		70-130	1		30
trans-1,4-Dichloro-2-butene	103		108		70-130	5		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	112		105		70-130	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	114		111		70-130
Toluene-d8	98		99		70-130
4-Bromofluorobenzene	99		98		70-130
Dibromofluoromethane	107		103		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1308892
Report Date: 05/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Volatile Organics - Westborough Lab Associated sample(s): 02 Batch: WG610193-1 WG610193-2								
Methylene chloride	98		94		70-130	4		30
1,1-Dichloroethane	104		99		70-130	5		30
Chloroform	106		100		70-130	6		30
Carbon tetrachloride	98		94		70-130	4		30
1,2-Dichloropropane	100		96		70-130	4		30
Dibromochloromethane	90		89		70-130	1		30
1,1,2-Trichloroethane	99		95		70-130	4		30
Tetrachloroethene	107		100		70-130	7		30
Chlorobenzene	99		94		70-130	5		30
Trichlorofluoromethane	115		106		70-130	8		30
1,2-Dichloroethane	110		106		70-130	4		30
1,1,1-Trichloroethane	112		106		70-130	6		30
Bromodichloromethane	105		101		70-130	4		30
trans-1,3-Dichloropropene	101		97		70-130	4		30
cis-1,3-Dichloropropene	102		100		70-130	2		30
1,1-Dichloropropene	108		102		70-130	6		30
Bromoform	81		81		54-136	0		30
1,1,2,2-Tetrachloroethane	95		91		70-130	4		30
Benzene	102		98		70-130	4		30
Toluene	100		95		70-130	5		30
Ethylbenzene	105		100		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1308892
Report Date: 05/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Volatile Organics - Westborough Lab Associated sample(s): 02 Batch: WG610193-1 WG610193-2								
Chloromethane	95		86		64-130	10		30
Bromomethane	62		62		39-139	0		30
Vinyl chloride	111		102		70-130	8		30
Chloroethane	107		100		70-130	7		30
1,1-Dichloroethene	104		97		70-130	7		30
trans-1,2-Dichloroethene	101		94		70-130	7		30
Trichloroethene	104		96		70-130	8		30
1,2-Dichlorobenzene	98		94		70-130	4		30
1,3-Dichlorobenzene	98		93		70-130	5		30
1,4-Dichlorobenzene	97		92		70-130	5		30
Methyl tert butyl ether	104		98		70-130	6		30
p/m-Xylene	105		100		70-130	5		30
o-Xylene	104		99		70-130	5		30
cis-1,2-Dichloroethene	98		94		70-130	4		30
Dibromomethane	104		99		70-130	5		30
1,2,3-Trichloropropane	96		92		70-130	4		30
Styrene	104		100		70-130	4		30
Dichlorodifluoromethane	114		105		36-147	8		30
Acetone	100		109		58-148	9		30
Carbon disulfide	103		95		51-130	8		30
2-Butanone	104		107		63-138	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1308892
Report Date: 05/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Volatile Organics - Westborough Lab Associated sample(s): 02 Batch: WG610193-1 WG610193-2								
4-Methyl-2-pentanone	97		93		59-130	4		30
2-Hexanone	98		96		57-130	2		30
Acrylonitrile	98		95		70-130	3		30
Tetrahydrofuran	106		98		70-130	8		30
2,2-Dichloropropane	109		103		63-133	6		30
1,2-Dibromoethane	106		101		70-130	5		30
1,3-Dichloropropane	99		96		70-130	3		30
1,1,1,2-Tetrachloroethane	96		94		70-130	2		30
Bromobenzene	96		93		70-130	3		30
n-Butylbenzene	101		96		70-130	5		30
sec-Butylbenzene	102		97		70-130	5		30
tert-Butylbenzene	102		96		70-130	6		30
o-Chlorotoluene	99		94		70-130	5		30
p-Chlorotoluene	98		93		70-130	5		30
1,2-Dibromo-3-chloropropane	91		90		41-144	1		30
Hexachlorobutadiene	99		93		70-130	6		30
Isopropylbenzene	107		101		70-130	6		30
p-Isopropyltoluene	102		96		70-130	6		30
Naphthalene	92		89		70-130	3		30
n-Propylbenzene	103		98		70-130	5		30
1,2,3-Trichlorobenzene	93		88		70-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1308892
Report Date: 05/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Volatile Organics - Westborough Lab Associated sample(s): 02 Batch: WG610193-1 WG610193-2								
1,2,4-Trichlorobenzene	92		89		70-130	3		30
1,3,5-Trimethylbenzene	101		97		70-130	4		30
1,2,4-Trimethylbenzene	98		95		70-130	3		30
trans-1,4-Dichloro-2-butene	96		93		70-130	3		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	111		102		70-130	8		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	111		110		70-130
Toluene-d8	97		97		70-130
4-Bromofluorobenzene	97		98		70-130
Dibromofluoromethane	105		105		70-130

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1308892
Report Date: 05/23/13

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(*)
L1308892-01A	Vial HCl preserved	A	N/A	4.1	Y	Absent	CT-8260(14)
L1308892-01B	Vial HCl preserved	A	N/A	4.1	Y	Absent	CT-8260(14)
L1308892-01C	Vial HCl preserved	A	N/A	4.1	Y	Absent	CT-8260(14)
L1308892-02A	Vial HCl preserved	A	N/A	4.1	Y	Absent	CT-8260(14)
L1308892-02B	Vial HCl preserved	A	N/A	4.1	Y	Absent	CT-8260(14)
L1308892-02C	Vial HCl preserved	A	N/A	4.1	Y	Absent	CT-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	RISDON	**Lab Number:**	L1308892
Project Number:	97001.00	**Report Date:**	05/23/13

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:**	L1308892
Project Number:	97001.00	**Report Date:**	05/23/13

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:**	L1308892
Project Number:	97001.00	**Report Date:**	05/23/13

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 December 19, 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, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 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; ColilertOT 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 6010C, 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, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 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, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 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, 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, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 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, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 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, 3620C, 3630C, 5030B, 5035L, 5035H, 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, 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, 9010C, 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 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 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, 7470A, 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, 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, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 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. ***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, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 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 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 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, 7196A, 3500-Cr-D. 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. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY ~72

ALPHA ANALYTICAL
320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 5/16/13

ALPHA Job #: L1308892

Client Information

Client: Woodard & Curran
Address: 40 Shattuck Road Suite 110
Andover MA 01810
Phone: 978 557 8150
Fax:
Email:
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Risdon
Project Location: Danbury CT
Project #: 97001.00
Project Manager: Cathy Rochnell
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 5/23/13 Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☐ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria
CT	RSRs	See QAPP

Other Project Specific Requirements/Comments:

All Columns Below Must Be Filled Out

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Sample Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-14A by TO-15	TO-15 8260B CT	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Comments (i.e. PID)
06492 1	SW-SR 875	5/15/13	1350		SW	WCD							3						
2	GW-SR 875	5/15/13	1415		GW	WCD							3						Please see attached table 6.3a
													VOA w/ HCL						

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

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.

Relinquished By:	Date/Time	Received By:	Date/Time:
MOP			5/16/13 1330
T. Hendrickson	5/16/13 1750		5/16/13 1750

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

Analytes	CAS Number	Current Action Limit (µg/l)	Proposed Project Action Limit [1] (µg/l)	Analytical Method RL (µg/l)	Analytical Method QL (µg/l)	Laboratory MDL (µg/l)
1,1,1,2-Tetrachloroethane	630-20-6		9.48	0.5	NE	0.25
1,1,1-Trichloroethane	71-55-6		76	0.5	NE	0.25
1,1,2,2,-Tetrachloroethane	79-34-5	---	3.5	0.5	NE	0.25
1,1,2-Trichloroethane	79-00-5	42	13.65	0.5	NE	0.375
1,1-Dichloroethane	75-34-3	---	410	0.5	NE	0.375
1,1-Dichloroethene	75-35-4	---	210	0.5	NE	0.25
1,1-Dichloropropene	563-58-6		NE	0.5	NE	1.25
1,2,3-Trichloropropane	96-18-4		NE	0.5	NE	0.875
1,2,3-Trichlorobenzene	87-61-6		NE	0.5	NE	1.25
1,2,4-Trichlorobenzene	120-82-1	940	5	0.5	NE	1.25
1,2,4-Trimethylbenzene	95-63-6		16	0.5	NE	1.25
1,2-Dibromo-3-chloropropane	96-12-8		NE	0.5	NE	1.25
1,2-Dibromoethane	106-93-4		NE	0.5	NE	1
1,2-Dichlorobenzene	95- 50-1	17000	23	0.5	NE	1.25
1,2-Dichloroethane	107-06-2	99	32	0.5	NE	0.25
1,2-Dichloropropane	78-87-5	39	24	0.5	NE	0.875
1,3,5-Trimethylbenzene	108-67-8		26	0.6	NE	1.25
1,3-Dichlorobenzene	541-73-1	2600	13	0.5	NE	1.25
1,3-Dichloropropane	142-28-9	1700	NE	0.5	NE	1.25
1,4-Dichlorobenzene	106-46-7	2600	2.6	0.5	NE	1.25
2,2-Dichloropropane	594-20-7		NE	0.5	NE	1.25
2-Butanone	78-93-3		13,752	0.5	NE	2.5
2-Hexanone	591-78-6		NE	0.5	NE	2.5
4-Methyl-2-pentanone	108-10-1		70,000	0.5	NE	2.5
Acetone	67-64-1		1,700	0.5	NE	2.5
Acrylonitrile	107-13-1	0.66	2,800	0.5	NE	2.5
Benzene	71-43-2	71	6.73	0.5	NE	0.25
Bromobenzene	108-86-1		NE	0.5	NE	1.25
Bromodichloromethane	75-27-4	46	15	0.5	NE	0.25
Bromoform	75-25-2	360	NE	0.5	NE	1
Bromomethane	74-83-9		0.005*	0.5	NE	0.5
Carbon Disulfide	75-15-0		15	0.5	NE	2.5
Carbon Tetrachloride	56-23-5	4.4	1.44	0.5	NE	0.25
Chlorobenzene	108-90-7	21000	47	0.5	NE	0.25
Chloroethane	75-00-3	---	752	0.5	NE	0.5
Chloroform	67-66-3	470	140	0.5	NE	0.375
Chloromethane	74-87-3		199	0.5	NE	1.25
cis-1,2-Dichloroethene	156-59-2	140000	620	0.5	NE	0.25
cis-1,3-Dichloropropene	10061-01-5		1.7	0.5	NE	0.25
Dibromochloromethane	124-48-1	34	NE	0.5	NE	0.25

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

Analytes	CAS Number	Current Action Limit (µg/l)	Proposed Project Action Limit [1] (µg/l)	Analytical Method RL (µg/l)	Analytical Method QL (µg/l)	Laboratory MDL (µg/l)
Dibromomethane	74-95-3		NE	0.5	NE	2.5
Dichlorodifluoromethane	75-71-8	46	9,642	0.5	NE	2.5
Ethylbenzene	100-41-4		61	0.5	NE	0.25
Freon-113	76-13-1		98315	0.5	NE	5
Hexachlorobutadiene	87-68-3	50	50	0.5	NE	0.25
Isopropylbenzene	98-82-8		21	0.5	NE	0.25
Methyl tert butyl ether	1634-04-4		5,600	0.5	NE	0.5
Methylene Chloride	75-09-2	1600	519	0.5	NE	2.5
Naphthalene	91-20-3	20513	21	0.5	NE	1.25
n-Butylbenzene	104-51-8		NE	0.5	NE	0.25
n-Propylbenzene	103-65-1		NE	0.5	NE	0.25
o-Chlorotoluene	95-49-8		41	0.5	NE	1.25
o-Xylene	95-47-6		27 (total)	0.5	NE	0.5
p/m-xylene	106-42-3/ 108-38-3		27 (total)	0.5	NE	0.5
p-Chlorotoluene	106-43-4		7	0.5	NE	1.25
p-Isopropyltoluene	99-87-6		16.5	0.5	NE	0.25
sec-Butylbenzene	135-98-8		NE	0.5	NE	0.25
Styrene	100-42-5		24	0.5	NE	0.5
tert-Butylbenzene	98-06-6		NE	0.5	NE	1.25
Tetrachloroethene	127-18-4		0.21*	0.5	NE	0.25
Tetrahydrofuran	109-99-9		368	0.5	NE	5
Toluene	108-88-3	200000	62	0.5	NE	0.375
trans-1,2-Dichloroethene	156-60-5		560	0.5	NE	0.375
trans-1,3-Dichloropropene	10061-02-6		NE	0.5	NE	0.25
trans-1,4-Dichloro-2-Butene	110-57-6		NE	0.5	NE	1.25
Trichloroethene	79-01-6		3.71	0.5	NE	0.25
Trichlorofluoromethane	75-65-4		30,045	0.5	NE	1.25
Vinyl Chloride	75-01-4		2	0.5	NE	0.5

Notes:

1) The proposed project action limits are based on the lowest value for each compound of the December 2009 Proposed CT Water Quality Criteria - between the Aquatic Freshwater Chronic value Human health - consumption of organisms only values; these may change if the proposed criteria are modified prior to being finalized.

* Note that the the analytical method can not meet the Proposed Water Quality Criteria, therefore the PAL will be the laboratory quantitation limit.

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

NE = Not Established

RL = Reporting Limit

MDLs = Method Dectection Limits

QLs = Laboratory's standard Quantitation Limits

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

Laboratory QL *(µg/l)*
0.5
0.5
0.5
0.75
0.75
0.5
2.5
1.75
2.5
2.5
2.5
2.5
2
2.5
0.5
1.75
2.5
2.5
2.5
2.5
2.5
5
5
5
5
5
0.5
2.5
0.5
2
1
5
0.5
0.5
1
0.75
2.5
0.5
0.5
0.5

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

Laboratory QL *(µg/l)*
5
5
0.5
10
0.5
0.5
1
5
2.5
0.5
0.5
2.5
1
1
2.5
0.5
0.5
1
2.5
0.5
10
0.75
0.75
0.5
2.5
0.5
2.5
1

ılues and l

APPENDIX B: DATA VALIDATION SUMMARY AND QUALITY ASSURANCE / QUALITY CONTROL EVALUATION

QUALITY ASSURANCE/ QUALITY CONTROL EVALUATION

A data quality review was performed to confirm that the data generated during the monitoring events 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 May off-property piezometer installation & sampling event is presented in the following subsections.

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

GROUNDWATER & SURFACE WATER SAMPLING

Field Quality Control Assessment

Monitoring wells

A review of the applicable field quality control elements was performed for the groundwater samples collected on May 1, 2013 from monitoring wells located on the 28 Finance Drive property (DPMW-1 and MW-703). Sample containers were packed with ice in coolers immediately after sample 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 3.1°C. The samples were extracted and analyzed within the allowable holding times.

No trip blanks accompanied site samples, no duplicates of these two monitoring wells were collected, and no equipment blanks were collected after field equipment decontamination to assess the adequacy of that procedure. Therefore, no qualifications were applied.

Piezometer Groundwater and Still River Surface Water

A review of the applicable field quality control elements was performed for the groundwater and surface water samples collected on May 2 and May 15, 2013. Sample containers were packed with ice in coolers immediately after sample 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 3.1°C and 4.1°C. The samples were extracted and analyzed within the allowable holding times.

Two field duplicate pairs were collected for VOCs during the 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 SW-SR1250 DUP was collected as a field duplicate or surface water sample SW-SR1250 and GW-SR1250 DUP was collected as a field duplicate for groundwater sample GW-SR1250. The surface water sample and duplicate had positive results for the following compounds: TCE and cis-1,2-DCE. The groundwater sample and duplicate had positive results for the following compounds: 1,1-DCE, TCE, PCE, toluene, and cis-1,2-DCE. The RPD values between the sample results were acceptable for all compounds detected in both the primary sample and its field duplicate; therefore, no qualifications will be applied.

No trip blank accompanied site samples and no equipment blanks were collected after field equipment decontamination to assess the adequacy of that procedure. Therefore, no qualifications were applied.

Analytical Quality Control Assessment

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

L1307920 & L1308892

The Analytical Report Certification review for both sets of data indicated that the data met the Reasonable Confidence requirements. However, certain QA/QC performance standards (question #4 of the RCP QA/QC Certification Form) were not met for samples in data package L1307920, thereby requiring a 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 summaries (refer to Appendix B). No data in either set were qualified as a result of the non-conformances.

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

Further, the analytical report certification review indicated that project specific matrix spikes and laboratory duplicates were not included in either of the data packages (question #7 of the RCP QA/QC Certification form).

Evaluation of PARCCS Parameters

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

Precision

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

For both the monitoring wells and piezometers (as they are part of one data package), comparison of laboratory duplicates and the %RPD for VOC LCS/LCSD samples were used (as there were no MS/MSD samples collected) to assess analytical precision associated with these reports. All RPDs for the VOC LCS/LCSD met recovery and RPD acceptance with the following exceptions: VC and hexachlorobutadiene. All detected VC results in L1307920 were JH (estimate, high bias) qualified, and all non-detected hexachlorobutadiene results were UJL (non-detect, low bias) qualified. All RPDs for primary and duplicate samples for all sample media met acceptance criteria, indicating good sample homogeneity.

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.

No VOC MS/MSDs were performed during this sampling event for the groundwater or surface water samples. The LCS/LCSD met acceptance criteria with the exception of VC and hexachlorobutadiene. Refer to the "Precision" section above for a summary of affected samples and associated qualifiers. Details on the types and locations of the LCS/LCSD detections are provided in the data validation summary at the end of Appendix B.

Representativeness

Representativeness expresses the degree to which data accurately and precisely represent a characteristic of a population, parameter variation, or environmental condition. The overall representativeness of the data was evaluated qualitatively using site use information and historical sampling data. During the monitoring event, two types of pump were used to collect all groundwater samples. Samples collected from the two monitoring wells located on 28 Finance Drive were collected using a QED MP10 bladder pump. Groundwater and surface water samples collected from, and in the vicinity of, the newly installed piezometers were collected using a peristaltic pump and dedicated Teflon lined polyethylene tubing.

Both groundwater samples from 28 Finance were collected in accordance with USEPA Low Stress (Low Flow) Purging and Sampling Procedures for the Collection of Groundwater Samples from Monitoring Wells (January 2010). Groundwater samples collected from the piezometers were grab samples following purging of approximately one to three "well" volumes. Surface water samples collected in the vicinity of each piezometer were grab samples. In comparing the data sets from the 28 Finance monitoring wells with historical data sets, laboratory analysis of the data was achieved and the data completeness goals were met.

Representativeness was also evaluated based on the results reported for laboratory method blanks. No blank issues were identified for 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 piezometer installation event are considered to be of good quality.

Completeness:

Completeness is a measure of the amount of valid data obtained from a measurement system compared to the amount of valid data expected. As indicated in the Quality Assurance Project Plan (QAPP), the completeness goal for the project is 90%. All of the data obtained from groundwater samples collected during the investigation were determined to be usable data because no data were rejected during the data quality review. Therefore, the data

obtained as part of the piezometer installation and sampling event meet 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 the 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 resulting from matrix interference.

Conclusions

The primary objectives (or end uses) for the piezometer installation & sampling event are to collect sufficient surface water and groundwater data that is accurate and reliable in support of evaluating any potential off-property impacts. Based on the data quality assessment, the objectives have been achieved and thus the data collected as part of this monitoring event are considered to be 'suitable' for its intended use in satisfying the project objectives.

SEDIMENT SAMPLING

Field Quality Control Assessment

A review of the applicable field quality control elements was performed for the sediment samples (SR-SED-01-1 and SR.SED.01.02) collected on May 2 and May 15, 2013 from the *Former Risdon Facility Outfall Stretch*, located in the portion of the Still River immediately up-stream of the bridge on Old Newtown Road. Sample containers were packed on ice in coolers immediately after sample 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 3.1°C and 4.1°C. The samples were extracted (i.e., VOCs), digested (i.e., total metals, total cyanide) and analyzed within the allowable holding times.

One trip blank (Trip Blank; L1308891-2) 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. No duplicates of these sediment samples were collected, nor were any equipment blanks collected after equipment decontamination to assess the adequacy of that procedure. Therefore, no qualifications were applied.

Analytical Quality Control Assessment

An analytical data usability assessment was completed for the primary and secondary sediment samples and associated QA/QC samples. The first step in the analytical data usability assessment was to review the data set to determine whether the data achieved "Reasonable Confidence." The RCP requires that 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 included the following Analytical Report from Alpha Analytical Laboratories:

L1307914 (primary sediment sample)

L1308891 (secondary sediment sample)

The Analytical Report Certification review for both sets of data indicated that the data met the Reasonable Confidence requirements. However, certain QA/QC performance standards (question #4 of the RCP QA/QC Certification Form) were not met for samples in data package L1308891, thereby requiring a 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 summaries (refer to Appendix B). No data in either set were qualified as a result of the non-conformances.

The analytical report certification reviews also indicated the requested reporting limits were not met (question #5b of the RCP QA/QC Certification Form) for samples in data package L1308891. The results were reviewed and were determined to not sufficiently affect the quality of the data.

The analytical report certification review indicated that the results for all constituents identified in the method specific analysis (i.e., metals) presented in the RCP documents were not reported (question #6 of the RCP QA/QC Certification Form) in data package L1307914. The analysis of select metals, rather than the full suites of RCP metals, was based on the prior assessment indicating which constituents are of concern 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 sediment sampling activities.

Finally, the analytical report certification review indicated that project specific matrix spikes and laboratory duplicates were not included in either of the data packages (question #7 of the RCP QA/QC Certification form).

Evaluation of PARCCS Parameters

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

Precision

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

For the sediment samples, comparison of laboratory duplicates and the % RPD for VOC LCS/LCSD samples were used (as there were no MS/MSD samples collected). All VOC LCS/LCSD samples met recovery and RPD

acceptance criteria with the following exceptions: acetone and 2-butanone. The only affected sample is SR.SED.01.02; however, the sample is non-detect for these analytes, so there are no qualifications applied.

No MS/MSD samples were collected for metals or cyanide and no field or laboratory duplicates were collected for metals. The cyanide LCS/LCSD met recovery and RPD acceptance criteria, and the metals LCS met acceptance criteria; therefore, no qualifications will be 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.

No VOC MS/MSDs were performed during this sampling event for either of the sediment samples. The VOC LCS/LSCD met acceptance criteria with the exception of acetone and 2-butanone. Refer to the "Precision" section above for a summary of the affected samples and associated qualifiers. Details on the types and locations of the LCS/LCSD detections are provided in the data validation summary at the end of Appendix B.

Representativeness

Representativeness expresses the degree to which data accurately and precisely represent a characteristic of a population, parameter variation, or environmental condition. The overall representativeness of the data was evaluated qualitatively using site use information and historical sampling data. Results of the review indicate that current data is consistent with historical data, and is therefore representative of existing site conditions.

Completeness

Completeness is a measure of the amount of valid data obtained from a measurement system compared to the amount of valid data expected. As indicated in the QAPP, the completeness goal for the project is 90%. All of the data obtained from sediment samples collected during the investigation were determined to be usable data because no data were rejected during the data quality review. Therefore, the data obtained as part of the sediment sampling event meet 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 the same sampling procedures outlined in the applicable SOPs located in Appendix B of the Project QAPP;
- Using the same off-site laboratory(s) for all sampling events;
- Reporting results from similar matrices in consistent and generally accepted units; and
- Applying appropriate levels of QC within the context of the Laboratory Quality Assurance.

Sensitivity:

Sensitivity is the ability of the 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 resulting from matrix interference.

Conclusions

The primary objectives (or end uses) for the sediment sampling event are to collect sufficient sediment data that is accurate and reliable in support of evaluating potential off-property impacts. Based on the data quality assessment, the objectives have been achieved and thus the data collected as part of this sediment sampling event are considered to be 'suitable' for its intended use in satisfying the project objectives.

RISDON DANBURY, CT - PROJECT SUMMARY

Alpha Laboratories Job Numbers: L1307914 & L1308891

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 3.1 and 4.1 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 with one exception. Methylene chloride (4.9 µg/kg) was detected in the soil method blank above the method detection limit (MDL) but below the reporting limit (RL). Since methylene chloride was not detected in the soil sample, no qualifications will be applied.

VOC field blank sample, TRIP BLANK (L1308891-02), was ND for all target compounds. No qualifications will be applied.

No VOC matrix spike/matrix spike duplicate (MS/MSD) was performed on a sample from these analytical packages. 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
5/19/2013	Acetone	158/OK/OK	54-140%/30	SR.SED.01.02	None, sample ND
	2-Butanone	142/OK/OK	70-130%/30		None, sample ND

No VOC field duplicate samples were submitted with these analytical packages. No qualifications will be applied.

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 these analytical packages. No qualifications will be applied.

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

No metals field duplicate samples were submitted with these analytical packages. No qualifications will be applied.

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

No metals laboratory duplicate was performed on a sample from these analytical packages. 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.

Alpha Laboratories Job Numbers: L1307914 & L1308891

No CN field blank samples were submitted with these analytical packages. No qualifications will be applied.

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

No CN field duplicate samples were submitted with these analytical packages. 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 these analytical packages. No qualifications will be applied.

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

Gloria J. Switalski:
President

Date: 6/24/2013

RISDON DANBURY, CT - PROJECT SUMMARY

Alpha Laboratories Job Number: L1307920 & L1308892

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 3.1 and 4.1 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 these analytical packages. No qualifications will be applied.

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

The VOC laboratory control sample/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
5/8/2013	Vinyl chloride	OK/135/OK	70-130%/30	All L1307920	JH, L1307920-1 & 14
	Hexachlorobutadiene	69/OK/OK	70-130%/30		UJL, All L1307920

VOC field duplicate samples SW-SR1250 (L1307920-09)/SW-SR1250 DUP (L1307920-10) had positive results for the following compounds: trichloroethene and cis-1,2-dichloroethene and field duplicate samples GW-SR1250 (L1307920-11)/GW-SR1250 DUP (L1307920-12) had positive results for the following compounds: 1,1-dichloroethene; trichloroethene; tetrachloroethene; toluene; and cis-1,2-dichloroethene. The RPD values between the sample results were acceptable for all compounds detected in both the sample and its field duplicate. No qualifications will be applied.

Detection limits were raised in three samples due to dilutions performed because of the elevated concentrations of target compounds and/or due to sample matrix.

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.
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Gloria J. Switalski:
President

Date: 6/24/2013

APPENDIX C: LABORATORY ANALYTICAL REPORTS – STILL RIVER SEDIMENT

ANALYTICAL REPORT

Lab Number:	L1307914
Client:	Woodard & Curran 40 Shattuck Road Suite 110 Andover, MA 01810
ATTN:	Catharine Rockwell
Phone:	(978) 557-8150
Project Name:	RISDON
Project Number:	97001
Report Date:	05/16/13

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

Lab Number: L1307914
Report Date: 05/16/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1307914-01	SR-SED-01-1	DANBURY, CT	05/02/13 14:45

Project Name: RISDON
Project Number: 97001

Lab Number: L1307914
Report Date: 05/16/13

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?	YES
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
Project Number: 97001

Lab Number: L1307914
Report Date: 05/16/13

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:** L1307914
Project Number: 97001 **Report Date:** 05/16/13

Case Narrative (continued)

Report Submission

The Volatile Organics analysis was canceled.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

RCP Related Narratives

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: 05/16/13

METALS

Project Name: RISDON
Project Number: 97001
Lab Number: L1307914
Report Date: 05/16/13

SAMPLE RESULTS

Lab ID: L1307914-01
Client ID: SR-SED-01-1
Sample Location: DANBURY, CT
Matrix: Soil
Percent Solids: 78%

Date Collected: 05/02/13 14:45
Date Received: 05/03/13
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	0.34		mg/kg	0.25	0.06	10	05/07/13 11:28	05/11/13 16:06	EPA 3050B	77,6020A	AK
Arsenic, Total	2.0		mg/kg	0.50	0.15	1	05/07/13 11:28	05/07/13 19:25	EPA 3050B	77,6010C	KL
Beryllium, Total	0.16	J	mg/kg	0.25	0.06	10	05/07/13 11:28	05/11/13 16:06	EPA 3050B	77,6020A	AK
Cadmium, Total	0.08	J	mg/kg	0.25	0.03	10	05/07/13 11:28	05/11/13 16:06	EPA 3050B	77,6020A	AK
Chromium, Total	8.8		mg/kg	0.50	0.10	1	05/07/13 11:28	05/07/13 19:25	EPA 3050B	77,6010C	KL
Copper, Total	19		mg/kg	0.50	0.25	1	05/07/13 11:28	05/07/13 19:25	EPA 3050B	77,6010C	KL
Lead, Total	11		mg/kg	2.5	0.15	1	05/07/13 11:28	05/07/13 19:25	EPA 3050B	77,6010C	KL
Mercury, Total	0.17		mg/kg	0.09	0.02	1	05/06/13 08:33	05/06/13 10:32	EPA 7471B	77,7471B	MC
Nickel, Total	8.7		mg/kg	1.2	0.20	1	05/07/13 11:28	05/07/13 19:25	EPA 3050B	77,6010C	KL
Selenium, Total	0.17	J	mg/kg	2.5	0.14	10	05/07/13 11:28	05/11/13 16:06	EPA 3050B	77,6020A	AK
Silver, Total	0.19	J	mg/kg	0.25	0.04	10	05/07/13 11:28	05/11/13 16:06	EPA 3050B	77,6020A	AK
Thallium, Total	ND		mg/kg	0.50	0.01	10	05/07/13 11:28	05/11/13 16:06	EPA 3050B	77,6020A	AK
Zinc, Total	64		mg/kg	2.5	0.25	1	05/07/13 11:28	05/07/13 19:25	EPA 3050B	77,6010C	KL

Project Name: RISDON
Project Number: 97001

Lab Number: L1307914
Report Date: 05/16/13

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: WG605883-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	05/06/13 08:33	05/06/13 10:19	77,7471B	MC

Prep Information

Digestion Method: EPA 7471B

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: WG606359-1										
Arsenic, Total	ND		mg/kg	0.40	0.12	1	05/07/13 11:28	05/07/13 19:14	77,6010C	KL
Chromium, Total	ND		mg/kg	0.40	0.08	1	05/07/13 11:28	05/07/13 19:14	77,6010C	KL
Copper, Total	ND		mg/kg	0.40	0.20	1	05/07/13 11:28	05/07/13 19:14	77,6010C	KL
Lead, Total	ND		mg/kg	2.0	0.12	1	05/07/13 11:28	05/07/13 19:14	77,6010C	KL
Nickel, Total	ND		mg/kg	1.0	0.16	1	05/07/13 11:28	05/07/13 19:14	77,6010C	KL
Zinc, Total	ND		mg/kg	2.0	0.20	1	05/07/13 11:28	05/07/13 19:14	77,6010C	KL

Prep Information

Digestion Method: EPA 3050B

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: WG607380-1										
Antimony, Total	ND		mg/kg	0.20	0.05	10	05/07/13 11:28	05/11/13 15:57	77,6020A	AK
Beryllium, Total	ND		mg/kg	0.20	0.05	10	05/07/13 11:28	05/11/13 15:57	77,6020A	AK
Cadmium, Total	ND		mg/kg	0.20	0.02	10	05/07/13 11:28	05/11/13 15:57	77,6020A	AK
Selenium, Total	ND		mg/kg	2.0	0.11	10	05/07/13 11:28	05/11/13 15:57	77,6020A	AK
Silver, Total	ND		mg/kg	0.20	0.03	10	05/07/13 11:28	05/11/13 15:57	77,6020A	AK
Thallium, Total	ND		mg/kg	0.40	0.01	10	05/07/13 11:28	05/11/13 15:57	77,6020A	AK

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: RISDON
Project Number: 97001

Lab Number: L1307914
Report Date: 05/16/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG605883-2 SRM Lot Number: 0518-10-02								
Mercury, Total	108		-		67-133	-		30
CT RCP Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG606359-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	100		-		81-119	-		30
Chromium, Total	97		-		80-119	-		30
Copper, Total	92		-		83-117	-		30
Lead, Total	88		-		80-120	-		30
Nickel, Total	94		-		82-117	-		30
Zinc, Total	100		-		82-119	-		30
CT RCP Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG607380-2 SRM Lot Number: 0518-10-02								
Antimony, Total	122		-		4-196	-		20
Beryllium, Total	110		-		83-117	-		20
Cadmium, Total	111		-		82-117	-		20
Selenium, Total	117		-		80-120	-		20
Silver, Total	111		-		66-134	-		20
Thallium, Total	82		-		79-120	-		20

INORGANICS
&
MISCELLANEOUS

Project Name: RISDON
Project Number: 97001

Lab Number: L1307914
Report Date: 05/16/13

SAMPLE RESULTS

Lab ID: L1307914-01
Client ID: SR-SED-01-1
Sample Location: DANBURY, CT
Matrix: Soil

Date Collected: 05/02/13 14:45
Date Received: 05/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.9		%	0.100	NA	1	-	05/04/13 01:21	30,2540G	RD
CT RCP General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/kg	1.2	0.29	1	05/07/13 11:30	05/08/13 13:05	77,9014	JO

Project Name: RISDON
Project Number: 97001

Lab Number: L1307914
Report Date: 05/16/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
CT RCP General Chemistry - Westborough Lab for sample(s): 01 Batch: WG606340-1										
Cyanide, Total	ND		mg/kg	0.86	0.20	1	05/07/13 11:30	05/08/13 13:00	77,9014	JO

Lab Control Sample Analysis

Batch Quality Control

Project Name: RISDON

Project Number: 97001

Lab Number: L1307914

Report Date: 05/16/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG606340-2 WG606340-3								
Cyanide, Total	105		105		80-120	0		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001

Lab Number: L1307914
Report Date: 05/16/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG605858-1 QC Sample: L1307892-01 Client ID: DUP Sample						
Solids, Total	91.0	90.7	%	0		20

Project Name: RISDON
Project Number: 97001

Lab Number: L1307914
Report Date: 05/16/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 05/03/2013 22:47

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1307914-01A	Vial MeOH preserved	A	N/A	3.1	Y	Absent	HOLD-8260(14)
L1307914-01B	Vial water preserved	A	N/A	3.1	Y	Absent	HOLD-8260(14)
L1307914-01C	Vial water preserved	A	N/A	3.1	Y	Absent	HOLD-8260(14)
L1307914-01D	Amber 250ml unpreserved	A	N/A	3.1	Y	Absent	CT-TCN-9014(14),CT-AS-6010T(180),CT-CU-6010T(180),CT-SE-6020T(180),CT-TL-6020T(180),TS(7),CT-BE-6020T(180),CT-CD-6020T(180),CT-HG-7471T(28),CT-NI-6010T(180),CT-PB-6010T(180),CT-SB-6020T(180),CT-AG-6020T(180),CT-CR-6010T(180),CT-ZN-6010T(180)

Container Comments

L1307914-01D

*Values in parentheses indicate holding time in days

Project Name:	RISDON	**Lab Number:**	L1307914
Project Number:	97001	**Report Date:**	05/16/13

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: DU Report with "J" Qualifiers

Project Name:	RISDON	**Lab Number:**	L1307914
Project Number:	97001	**Report Date:**	05/16/13

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. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name:	RISDON	**Lab Number:**	L1307914
Project Number:	97001	**Report Date:**	05/16/13

REFERENCES

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 December 19, 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, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 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; ColilertOT 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 6010C, 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, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 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, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 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, 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, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 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, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 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, 3620C, 3630C, 5030B, 5035L, 5035H, 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, 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, 9010C, 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 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 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, 7470A, 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, 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, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 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. ***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, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 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 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 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, 7196A, 3500-Cr-D. 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. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

MANSFIELD CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 5/3/13

ALPHA Job #: L1307914

Client Information

Client: Woodard + Curran
Address: 40 Shattuck Rd
Suite 110 Andover, MA
Phone: 978 557 8150
Fax:
Email: Crockwell@woodardcurran.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Risdon
Project Location: Danbury, CT
Project #: 97001
Project Manager: Cathy Rockwell
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 5/10/13 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: Connecticut
Criteria: See QAPP

Report Acrylonitrile, Acetone, and Bromomethane to the lab IDL. Please see attached QAPP tables.

Other Project Specific Requirements/Comments/Detection Limits:

PLEASE NOTE
MS/MSD (at unit cost) will be omitted unless you check here: ☐

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs 8260	PP13 Metals	Cyanide	Total Solids	Sample Specific Comments	TOTAL # BOTTLES
07914 1	SR-SED-01-1	5/2/13	1445	SE	BLG	X	X	X	X	Please See Attached Tables 6-6A + 6-6B	4
Container Type						V	G	G	G		
Preservative						F	A	A	A		

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

Relinquished By:	Date/Time	Received By:	Date/Time
Thomas Fennelly	5/3/13 1245	T. Hurlbut	5/3/13 1245
T. Hurlbut	5/3/13 1820		5/3/13 1600

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: 101-09 (rev. 27-SEP-10)

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

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

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

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

Notes:
1 For the purpose of establishing laboratory methods, the proposed screening levels for sediment organic analytes are the Region 5 USEPA Ecological Screening Levels (ESLs) for RCRA Appendix IX hazardous constituents.
2 Laboratory QL exceeds the screening level; however, the lab IDL does meet it. Therefore, the chain of custody submitted for samples being sent for this analysis will stipulate that the lab will report down to the IDL.

EPA R5 ESL = U.S. EPA Region 5 Ecological Screening Levels
NE = Not Established
IDL = Instrument Detection Limit
QLs = Laboratory's standard Quantitation Limits - unless otherwise noted, this is the reporting limit for the laboratory reports.

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

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

Notes:

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

NE = Not established

IDL = Instrument Detection Limit

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

Concensus TEC = Concensus Based Threshold Effect Concentrations

ANALYTICAL REPORT

Lab Number:	L1308891
Client:	Woodard & Curran 40 Shattuck Road Suite 110 Andover, MA 01810
ATTN:	Catharine Rockwell
Phone:	(978) 557-8150
Project Name:	RISDON
Project Number:	97001.00
Report Date:	05/23/13

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

Lab Number: L1308891
Report Date: 05/23/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1308891-01	SR.SED.01.02	DANBURY, CT	05/15/13 15:10
L1308891-02	TRIP BLANK	DANBURY, CT	

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1308891
Report Date: 05/23/13

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
Project Number: 97001.00

Lab Number: L1308891
Report Date: 05/23/13

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:** L1308891
Project Number: 97001.00 **Report Date:** 05/23/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

RCP Related Narratives

Volatile Organics

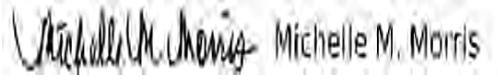
The initial calibration, associated with L1308891-01, utilized a quadratic fit for Chloroethane.

The initial calibration, associated with L1308891-02, utilized a quadratic fit for Bromomethane, 2-Butanone and Acetone.

In reference to question 5b:

L1308891-02: 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: 05/23/13

ORGANICS

VOLATILES

Project Name: RISDON **Lab Number:** L1308891

Project Number: 97001.00 **Report Date:** 05/23/13

SAMPLE RESULTS

Lab ID: L1308891-01
Client ID: SR.SED.01.02
Sample Location: DANBURY, CT
Matrix: Soil
Analytical Method: 77,8260C
Analytical Date: 05/19/13 11:19
Analyst: BN
Percent Solids: 81%

Date Collected: 05/15/13 15:10
Date Received: 05/16/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics by 5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	2.2	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.20	1
Chloroform	ND		ug/kg	1.7	0.42	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
1,2-Dichloropropane	ND		ug/kg	4.0	0.26	1
Dibromochloromethane	ND		ug/kg	1.1	0.35	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.34	1
Tetrachloroethene	0.81	J	ug/kg	1.1	0.16	1
Chlorobenzene	ND		ug/kg	1.1	0.39	1
Trichlorofluoromethane	ND		ug/kg	5.6	0.14	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.16	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.26	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.14	1
1,1-Dichloropropene	ND		ug/kg	5.6	0.51	1
Bromoform	ND		ug/kg	4.5	0.47	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.19	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.7	0.13	1
Ethylbenzene	ND		ug/kg	1.1	0.17	1
Chloromethane	ND		ug/kg	5.6	0.88	1
Bromomethane	ND		ug/kg	2.2	0.38	1
Vinyl chloride	ND		ug/kg	2.2	0.16	1
Chloroethane	ND		ug/kg	2.2	0.36	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
Trichloroethene	ND		ug/kg	1.1	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	5.6	0.21	1
1,3-Dichlorobenzene	ND		ug/kg	5.6	0.21	1
1,4-Dichlorobenzene	ND		ug/kg	5.6	0.27	1

Project Name: RISDON **Lab Number:** L1308891

Project Number: 97001.00 **Report Date:** 05/23/13

SAMPLE RESULTS

Lab ID: L1308891-01 Date Collected: 05/15/13 15:10

Client ID: SR.SED.01.02 Date Received: 05/16/13

Sample Location: DANBURY, CT Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Volatile Organics by 5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.2	0.12	1
p/m-Xylene	ND		ug/kg	2.2	0.36	1
o-Xylene	ND		ug/kg	2.2	0.30	1
Xylene (Total)	ND		ug/kg	2.2	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.17	1
Dibromomethane	ND		ug/kg	11	0.18	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.25	1
Styrene	ND		ug/kg	2.2	0.35	1
Dichlorodifluoromethane	ND		ug/kg	11	0.25	1
Acetone	ND		ug/kg	41	3.5	1
Carbon disulfide	ND		ug/kg	56	2.2	1
2-Butanone	ND		ug/kg	11	0.40	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.28	1
2-Hexanone	ND		ug/kg	11	0.21	1
Acrylonitrile	ND		ug/kg	4.5	0.27	1
Tetrahydrofuran	ND		ug/kg	22	0.42	1
2,2-Dichloropropane	ND		ug/kg	5.6	0.25	1
1,2-Dibromoethane	ND		ug/kg	4.5	0.20	1
1,3-Dichloropropane	ND		ug/kg	5.6	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.36	1
Bromobenzene	ND		ug/kg	5.6	0.24	1
n-Butylbenzene	ND		ug/kg	1.1	0.22	1
sec-Butylbenzene	ND		ug/kg	1.1	0.23	1
tert-Butylbenzene	ND		ug/kg	5.6	0.63	1
o-Chlorotoluene	ND		ug/kg	5.6	0.18	1
p-Chlorotoluene	ND		ug/kg	5.6	0.17	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.6	0.89	1
Hexachlorobutadiene	ND		ug/kg	5.6	0.48	1
Isopropylbenzene	ND		ug/kg	1.1	0.19	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.22	1
Naphthalene	ND		ug/kg	5.6	0.87	1
n-Propylbenzene	ND		ug/kg	1.1	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.6	0.19	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.6	0.89	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.6	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.6	0.65	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.6	0.50	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	4.5	0.31	1

Project Name: RISDON **Lab Number:** L1308891

Project Number: 97001.00 **Report Date:** 05/23/13

SAMPLE RESULTS

Lab ID: L1308891-01 Date Collected: 05/15/13 15:10

Client ID: SR.SED.01.02 Date Received: 05/16/13

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	124		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	109		70-130

Project Name: RISDON **Lab Number:** L1308891

Project Number: 97001.00 **Report Date:** 05/23/13

SAMPLE RESULTS

Lab ID: L1308891-02
Client ID: TRIP BLANK
Sample Location: DANBURY, CT
Matrix: Water
Analytical Method: 77,8260C
Analytical Date: 05/20/13 07:59
Analyst: TR

Date Collected:
Date Received: 05/16/13
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	0.29	1
1,1-Dichloroethane	ND		ug/l	0.75	0.15	1
Chloroform	ND		ug/l	0.75	0.16	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.8	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.17	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	0.75	0.16	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
Chloromethane	ND		ug/l	2.5	0.18	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.14	1
Chloroethane	ND		ug/l	1.0	0.13	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1

Project Name: RISDON **Lab Number:** L1308891

Project Number: 97001.00 **Report Date:** 05/23/13

SAMPLE RESULTS

Lab ID: L1308891-02 Date Collected:

Client ID: TRIP BLANK Date Received: 05/16/13

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	0.16	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.33	1
Xylene (Total)	ND		ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Dibromomethane	ND		ug/l	5.0	0.36	1
1,2,3-Trichloropropane	ND		ug/l	5.0	0.18	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Acetone	ND		ug/l	5.0	1.4	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.51	1
Acrylonitrile	ND		ug/l	5.0	0.43	1
Tetrahydrofuran	ND		ug/l	5.0	0.83	1
2,2-Dichloropropane	ND		ug/l	2.5	0.20	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
1,3-Dichloropropane	ND		ug/l	2.5	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.16	1
Bromobenzene	ND		ug/l	2.5	0.15	1
n-Butylbenzene	ND		ug/l	0.50	0.19	1
sec-Butylbenzene	ND		ug/l	0.50	0.18	1
tert-Butylbenzene	ND		ug/l	2.5	0.18	1
o-Chlorotoluene	ND		ug/l	2.5	0.17	1
p-Chlorotoluene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33	1
Hexachlorobutadiene	ND		ug/l	0.60	0.22	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
p-Isopropyltoluene	ND		ug/l	0.50	0.19	1
Naphthalene	ND		ug/l	2.5	0.22	1
n-Propylbenzene	ND		ug/l	0.50	0.17	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.17	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.19	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.17	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.0	0.15	1

Project Name: RISDON **Lab Number:** L1308891

Project Number: 97001.00 **Report Date:** 05/23/13

SAMPLE RESULTS

Lab ID: L1308891-02 Date Collected:

Client ID: TRIP BLANK Date Received: 05/16/13

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	89		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	98		70-130

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1308891
Report Date: 05/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8260C
Analytical Date: 05/19/13 09:27
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Volatile Organics by 5035 - Westborough Lab for sample(s): 01 Batch: WG609173-3					
Methylene chloride	4.9	J	ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1308891
Report Date: 05/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8260C
Analytical Date: 05/19/13 09:27
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Volatile Organics by 5035 - Westborough Lab for sample(s): 01 Batch: WG609173-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
Xylene (Total)	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	36	3.1
Carbon disulfide	ND		ug/kg	50	2.0
2-Butanone	ND		ug/kg	10	0.36
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
2-Hexanone	ND		ug/kg	10	0.19
Acrylonitrile	ND		ug/kg	4.0	0.24
Tetrahydrofuran	ND		ug/kg	20	0.38
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1308891
Report Date: 05/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8260C
Analytical Date: 05/19/13 09:27
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Volatile Organics by 5035 - Westborough Lab for sample(s): 01 Batch: WG609173-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	4.0	0.27
Ethyl Acetate	ND		ug/kg	20	0.82
Vinyl acetate	ND		ug/kg	10	0.48

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	108		70-130

Project Name: RISDON **Lab Number:** L1308891

Project Number: 97001.00 **Report Date:** 05/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8260C
Analytical Date: 05/20/13 07:26
Analyst: TR

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Volatile Organics - Westborough Lab for sample(s): 02 Batch: WG609388-3					
Methylene chloride	ND		ug/l	5.0	0.29
1,1-Dichloroethane	ND		ug/l	0.75	0.15
Chloroform	ND		ug/l	0.75	0.16
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.8	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	0.50	0.18
Trichlorofluoromethane	ND		ug/l	2.5	0.16
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.17
Bromoform	ND		ug/l	2.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	0.75	0.16
Ethylbenzene	ND		ug/l	0.50	0.17
Chloromethane	ND		ug/l	2.5	0.18
Bromomethane	ND		ug/l	1.0	0.26
Vinyl chloride	ND		ug/l	1.0	0.14
Chloroethane	ND		ug/l	1.0	0.13
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19

Project Name: RISDON **Lab Number:** L1308891

Project Number: 97001.00 **Report Date:** 05/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8260C
Analytical Date: 05/20/13 07:26
Analyst: TR

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Volatile Organics - Westborough Lab for sample(s): 02 Batch: WG609388-3					
Methyl tert butyl ether	ND		ug/l	1.0	0.16
p/m-Xylene	ND		ug/l	1.0	0.33
o-Xylene	ND		ug/l	1.0	0.33
Xylene (Total)	ND		ug/l	1.0	0.33
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19
Dibromomethane	ND		ug/l	5.0	0.36
1,2,3-Trichloropropane	ND		ug/l	5.0	0.18
Styrene	ND		ug/l	1.0	0.36
Dichlorodifluoromethane	ND		ug/l	5.0	0.24
Acetone	ND		ug/l	5.0	1.4
Carbon disulfide	ND		ug/l	5.0	0.30
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42
2-Hexanone	ND		ug/l	5.0	0.51
Acrylonitrile	ND		ug/l	5.0	0.43
Tetrahydrofuran	ND		ug/l	5.0	0.83
2,2-Dichloropropane	ND		ug/l	2.5	0.20
1,2-Dibromoethane	ND		ug/l	2.0	0.19
1,3-Dichloropropane	ND		ug/l	2.5	0.21
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.16
Bromobenzene	ND		ug/l	2.5	0.15
n-Butylbenzene	ND		ug/l	0.50	0.19
sec-Butylbenzene	ND		ug/l	0.50	0.18
tert-Butylbenzene	ND		ug/l	2.5	0.18
o-Chlorotoluene	ND		ug/l	2.5	0.17
p-Chlorotoluene	ND		ug/l	2.5	0.18
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33
Hexachlorobutadiene	ND		ug/l	0.60	0.22
Isopropylbenzene	ND		ug/l	0.50	0.19
p-Isopropyltoluene	ND		ug/l	0.50	0.19
Naphthalene	ND		ug/l	2.5	0.22

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1308891
Report Date: 05/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8260C
Analytical Date: 05/20/13 07:26
Analyst: TR

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Volatile Organics - Westborough Lab for sample(s): 02 Batch: WG609388-3					
n-Propylbenzene	ND		ug/l	0.50	0.17
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.17
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.19
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.17
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.0	0.15

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1308891
Report Date: 05/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Volatile Organics by 5035 - Westborough Lab Associated sample(s): 01 Batch: WG609173-1 WG609173-2								
Methylene chloride	90		93		70-130	3		30
1,1-Dichloroethane	98		97		70-130	1		30
Chloroform	100		101		70-130	1		30
Carbon tetrachloride	94		93		70-130	1		30
1,2-Dichloropropane	98		101		70-130	3		30
Dibromochloromethane	104		102		70-130	2		30
1,1,2-Trichloroethane	106		105		70-130	1		30
Tetrachloroethene	92		87		70-130	6		30
Chlorobenzene	99		95		70-130	4		30
Trichlorofluoromethane	114		112		70-130	2		30
1,2-Dichloroethane	113		117		70-130	3		30
1,1,1-Trichloroethane	97		97		70-130	0		30
Bromodichloromethane	105		106		70-130	1		30
trans-1,3-Dichloropropene	111		109		70-130	2		30
cis-1,3-Dichloropropene	102		104		70-130	2		30
1,1-Dichloropropene	94		92		70-130	2		30
Bromoform	101		101		70-130	0		30
1,1,2,2-Tetrachloroethane	104		104		70-130	0		30
Benzene	93		94		70-130	1		30
Toluene	92		89		70-130	3		30
Ethylbenzene	101		96		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1308891
Report Date: 05/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Volatile Organics by 5035 - Westborough Lab Associated sample(s): 01 Batch: WG609173-1 WG609173-2								
Chloromethane	94		86		52-130	9		30
Bromomethane	100		93		57-147	7		30
Vinyl chloride	87		85		70-130	2		30
Chloroethane	115		118		70-130	3		30
1,1-Dichloroethene	86		84		70-130	2		30
trans-1,2-Dichloroethene	88		88		70-130	0		30
Trichloroethene	92		91		70-130	1		30
1,2-Dichlorobenzene	100		97		70-130	3		30
1,3-Dichlorobenzene	99		96		70-130	3		30
1,4-Dichlorobenzene	99		96		70-130	3		30
Methyl tert butyl ether	96		99		70-130	3		30
p/m-Xylene	100		96		70-130	4		30
o-Xylene	102		99		70-130	3		30
cis-1,2-Dichloroethene	94		94		70-130	0		30
Dibromomethane	102		106		70-130	4		30
1,2,3-Trichloropropane	108		107		70-130	1		30
Styrene	106		103		70-130	3		30
Dichlorodifluoromethane	92		89		30-146	3		30
Acetone	**158**	Q	140		54-140	12		30
Carbon disulfide	84		83		59-130	1		30
2-Butanone	**142**	Q	130		70-130	9		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1308891
Report Date: 05/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Volatile Organics by 5035 - Westborough Lab Associated sample(s): 01 Batch: WG609173-1 WG609173-2								
4-Methyl-2-pentanone	100		103		70-130	3		30
2-Hexanone	129		117		70-130	10		30
Acrylonitrile	97		102		70-130	5		30
Tetrahydrofuran	101		106		70-130	5		30
2,2-Dichloropropane	98		97		70-130	1		30
1,2-Dibromoethane	102		100		70-130	2		30
1,3-Dichloropropane	104		103		70-130	1		30
1,1,1,2-Tetrachloroethane	102		99		70-130	3		30
Bromobenzene	96		94		70-130	2		30
n-Butylbenzene	105		100		70-130	5		30
sec-Butylbenzene	100		95		70-130	5		30
tert-Butylbenzene	96		93		70-130	3		30
o-Chlorotoluene	103		99		70-130	4		30
p-Chlorotoluene	103		100		70-130	3		30
1,2-Dibromo-3-chloropropane	107		106		68-130	1		30
Hexachlorobutadiene	91		87		70-130	4		30
Isopropylbenzene	96		93		70-130	3		30
p-Isopropyltoluene	99		94		70-130	5		30
Naphthalene	96		95		70-130	1		30
n-Propylbenzene	100		96		70-130	4		30
1,2,3-Trichlorobenzene	97		95		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1308891
Report Date: 05/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Volatile Organics by 5035 - Westborough Lab Associated sample(s): 01 Batch: WG609173-1 WG609173-2								
1,2,4-Trichlorobenzene	94		91		70-130	3		30
1,3,5-Trimethylbenzene	97		94		70-130	3		30
1,2,4-Trimethylbenzene	102		98		70-130	4		30
trans-1,4-Dichloro-2-butene	119		119		70-130	0		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	89		87		70-130	2		30
Ethyl Acetate	112		114		70-130	2		30
Vinyl acetate	117		123		70-130	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	114		123		70-130
Toluene-d8	104		104		70-130
4-Bromofluorobenzene	100		102		70-130
Dibromofluoromethane	101		107		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1308891
Report Date: 05/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Volatile Organics - Westborough Lab Associated sample(s): 02 Batch: WG609388-1 WG609388-2								
Methylene chloride	94		93		70-130	1		30
1,1-Dichloroethane	90		91		70-130	1		30
Chloroform	93		98		70-130	5		30
Carbon tetrachloride	93		98		70-130	5		30
1,2-Dichloropropane	98		99		70-130	1		30
Dibromochloromethane	87		90		70-130	3		30
1,1,2-Trichloroethane	79		87		70-130	10		30
Tetrachloroethene	91		98		70-130	7		30
Chlorobenzene	91		95		70-130	4		30
Trichlorofluoromethane	97		104		70-130	7		30
1,2-Dichloroethane	88		91		70-130	3		30
1,1,1-Trichloroethane	93		98		70-130	5		30
Bromodichloromethane	90		95		70-130	5		30
trans-1,3-Dichloropropene	76		81		70-130	6		30
cis-1,3-Dichloropropene	90		94		70-130	4		30
1,1-Dichloropropene	89		94		70-130	5		30
Bromoform	76		83		54-136	9		30
1,1,2,2-Tetrachloroethane	76		83		70-130	9		30
Benzene	94		98		70-130	4		30
Toluene	88		91		70-130	3		30
Ethylbenzene	82		84		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1308891
Report Date: 05/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Volatile Organics - Westborough Lab Associated sample(s): 02 Batch: WG609388-1 WG609388-2								
Chloromethane	100		105		64-130	5		30
Bromomethane	130		124		39-139	5		30
Vinyl chloride	90		92		70-130	2		30
Chloroethane	85		88		70-130	3		30
1,1-Dichloroethene	90		91		70-130	1		30
trans-1,2-Dichloroethene	91		92		70-130	1		30
Trichloroethene	96		102		70-130	6		30
1,2-Dichlorobenzene	89		90		70-130	1		30
1,3-Dichlorobenzene	88		87		70-130	1		30
1,4-Dichlorobenzene	87		87		70-130	0		30
Methyl tert butyl ether	85		96		70-130	12		30
p/m-Xylene	86		90		70-130	5		30
o-Xylene	88		92		70-130	4		30
cis-1,2-Dichloroethene	107		104		70-130	3		30
Dibromomethane	95		98		70-130	3		30
1,2,3-Trichloropropane	73		83		70-130	13		30
Styrene	88		91		70-130	3		30
Dichlorodifluoromethane	98		106		36-147	8		30
Acetone	74		86		58-148	15		30
Carbon disulfide	86		82		51-130	5		30
2-Butanone	100		113		63-138	12		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1308891
Report Date: 05/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Volatile Organics - Westborough Lab Associated sample(s): 02 Batch: WG609388-1 WG609388-2								
4-Methyl-2-pentanone	88		104		59-130	17		30
2-Hexanone	76		89		57-130	16		30
Acrylonitrile	84		97		70-130	14		30
Tetrahydrofuran	76		95		70-130	22		30
2,2-Dichloropropane	88		91		63-133	3		30
1,2-Dibromoethane	86		95		70-130	10		30
1,3-Dichloropropane	81		90		70-130	11		30
1,1,1,2-Tetrachloroethane	89		93		70-130	4		30
Bromobenzene	89		92		70-130	3		30
n-Butylbenzene	82		75		70-130	9		30
sec-Butylbenzene	83		76		70-130	9		30
tert-Butylbenzene	83		80		70-130	4		30
o-Chlorotoluene	80		77		70-130	4		30
p-Chlorotoluene	82		80		70-130	2		30
1,2-Dibromo-3-chloropropane	71		91		41-144	25		30
Hexachlorobutadiene	117		103		70-130	13		30
Isopropylbenzene	82		87		70-130	6		30
p-Isopropyltoluene	88		81		70-130	8		30
Naphthalene	73		83		70-130	13		30
n-Propylbenzene	78		76		70-130	3		30
1,2,3-Trichlorobenzene	85		90		70-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1308891
Report Date: 05/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Volatile Organics - Westborough Lab Associated sample(s): 02 Batch: WG609388-1 WG609388-2								
1,2,4-Trichlorobenzene	94		94		70-130	0		30
1,3,5-Trimethylbenzene	82		79		70-130	4		30
1,2,4-Trimethylbenzene	82		80		70-130	2		30
trans-1,4-Dichloro-2-butene	71		72		70-130	1		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	88		99		70-130	12		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	87		101		70-130
Toluene-d8	90		93		70-130
4-Bromofluorobenzene	93		89		70-130
Dibromofluoromethane	104		101		70-130

INORGANICS
&
MISCELLANEOUS

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1308891
Report Date: 05/23/13

SAMPLE RESULTS

Lab ID: L1308891-01
Client ID: SR.SED.01.02
Sample Location: DANBURY, CT
Matrix: Soil

Date Collected: 05/15/13 15:10
Date Received: 05/16/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.5		%	0.100	NA	1	-	05/17/13 15:02	30,2540G	MO

Lab Duplicate Analysis
Batch Quality Control

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1308891
Report Date: 05/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG608915-1 QC Sample: L1308837-01 Client ID: DUP Sample						
Solids, Total	85.0	85.6	%	1		20

Project Name: RISDON
Project Number: 97001.00

Lab Number: L1308891
Report Date: 05/23/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 05/17/2013 00:05

Cooler Information **Custody Seal**

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1308891-01A	Vial MeOH preserved	A	N/A	4.1	Y	Absent	CT-8260HLW(14)
L1308891-01B	Vial water preserved	A	N/A	4.1	Y	Absent	CT-8260HLW(14)
L1308891-01C	Vial water preserved	A	N/A	4.1	Y	Absent	CT-8260HLW(14)
L1308891-01D	Amber 250ml unpreserved	A	N/A	4.1	Y	Absent	TS(7)
L1308891-02A	Vial HCl preserved	A	N/A	4.1	Y	Absent	CT-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	RISDON	**Lab Number:**	L1308891
Project Number:	97001.00	**Report Date:**	05/23/13

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: DU Report with "J" Qualifiers

Project Name:	RISDON	**Lab Number:**	L1308891
Project Number:	97001.00	**Report Date:**	05/23/13

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. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name:	RISDON	**Lab Number:**	L1308891
Project Number:	97001.00	**Report Date:**	05/23/13

REFERENCES

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 December 19, 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, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 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; ColilertOT 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 6010C, 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, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 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, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 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, 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, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 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, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 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, 3620C, 3630C, 5030B, 5035L, 5035H, 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, 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, 9010C, 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 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 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, 7470A, 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, 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, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 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. ***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, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 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 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 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, 7196A, 3500-Cr-D. 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. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 5/16/13

ALPHA Job #: L1308491

Client Information

Client: Woodard + Curran
Address: 40 Shattuck Rd Suite 110
Andover MA 01810
Phone: 978 557 8150
Fax:
Email:
☐ These samples have been previously analyzed by Alpha

Project Information

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

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 5/23/13 Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker: _____
(Default based on Regulatory Criteria Indicated)
Other Formats: _____
☐ EMAIL (standard pdf report)
☐ Additional Deliverables: _____
Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria
CT RSRs		See QAPP

Other Project Specific Requirements/Comments:

All Columns Below Must Be Filled Out

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Start Time	Collection End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	TO-14A by TO-15	TO-15 VOCs 8260 SIM	APH	FIXED GASES Total Solids	TO-13A	TO-4 / TO-10	Sample Comments (i.e. PID)
044491 1	SR-SED-101-02	5/15/13		1510	29.0	5.0						3	1					
2	Trip Blank	Lab	Provided			Hold	Analysis											Please see table 6-6a + 6-6b
												VOCs	Class B					

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Relinquished By:	Date/Time	Received By:	Date/Time:
		T. Hubble	5/16/13 1330
T. Hubble	5/16/13 1750		5/16/13 1750

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: 101-02 (19-Jun-09)

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

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

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

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

Notes:

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

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

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

NE = Not Established

IDL = Instrument Detection Limit

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

APPENDIX D: SUMMARY OF GROUNDWATER LEVEL MEASUREMENTS – 2002 - 2013

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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)*
On-property Monitoring Wells:					
MW-1	293 - 303	*306.98* *(prior to 8/27/07)* 310.51	4/24/2002	3.48	303.50
			7/24/2002	3.51	303.47
			10/14/2002	3.74	303.24
			9/4/2003	2.81	304.17
			9/10/2004	3.20	303.78
			9/27/2005	3.90	303.08
			8/1/2006	2.45	304.53
			8/6/2007	3.14	303.84
			8/12/2008	6.75	303.76
			3/16/2009	6.11	304.40
			9/15/2009	6.77	303.74
			3/24/2010	5.61	304.90
			9/20/2010	7.24	303.27
			3/21/2011	5.62	304.89
			8/3/2011	6.29	304.22
			3/21/2012	6.08	304.43
			9/17/2012	7.31	303.20
			12/10/2012	7.18	303.33
			5/15/2013	6.35	304.16
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
			5/15/2013	13.20	290.14

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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
			5/15/2013	11.82	290.07
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
			5/15/2013	13.51	290.00

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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
			5/15/2013	11.97	289.15
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
			5/15/2013	13.08	290.90

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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
			5/15/2013	11.92	292.23
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
			5/15/2013	14.64	289.46

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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
			5/15/2013	14.50	287.55
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
			5/15/2013	12.15	288.99

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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
			5/15/2013	13.40	287.65
MW-12	267 - 287	303.13 (prior to 12/2/2011)	4/24/2002	12.76	290.37
			7/24/2002	12.01	291.12
			10/14/2002	15.07	288.06
			9/4/2003	NM	NA
			9/10/2004	Inaccessible	NA
			9/27/2005	15.08	288.05
			8/1/2006	14.56	288.57
			8/6/2007	15.24	287.89
			8/12/2008	15.02	288.11
			3/16/2009	14.10	289.03
			9/15/2009	14.64	288.49
			3/24/2010	9.70	293.43
			9/20/2010	obstructed	
			3/21/2011	12.27	290.86
			8/3/2011	obstructed	
		303.35	3/21/2012	14.41	288.94
			9/17/2012	15.45	287.90
			12/10/2012	15.57	287.78
			5/15/2013	14.92	288.43
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
			5/15/2013	12.21	292.14

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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
			5/15/2013	8.97	
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
			5/15/2013	11.12	294.00
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
			5/15/2013	8.93	295.54

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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-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
			5/15/2013	11.63	291.80
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
			5/15/2013	11.01	291.38

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SUMMARY OF GROUNDWATER LEVEL MEASUREMENTS - 2002 through 2013

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Danbury, Connecticut

Well Number	Well Screen Elevation[2] *(ft)*	Measuring Point[1] Elevation[2] *(ft)*	Date Measured	Depth to Water Below Measuring Point *(ft)*	Elevation[2] *(ft)*
MW-112	288 - 293	301.94	4/24/2002	11.76	290.18
			7/24/2002	11.08	290.86
			10/14/2002	13.88	288.06
			9/4/2003	DRY	NA
			9/10/2004	10.77	291.17
			9/27/2005	14.52	287.42
			8/1/2006	12.49	289.45
			8/6/2007	13.05	288.89
			8/12/2008	12.57	289.37
			3/16/2009	11.66	290.28
			9/15/2009	12.15	289.79
			3/24/2010	9.02	292.92
			9/20/2010	13.18	288.76
			3/21/2011	9.25	292.69
			8/3/2011	12.09	289.85
			3/21/2012	11.53	290.41
			9/17/2012	12.61	289.33
			12/10/2012	12.88	289.06
			5/15/2013	11.37	290.57
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
			5/15/2013	10.54	291.56

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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-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
			5/15/2013	13.23	290.35
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
			5/15/2013	8.11	296.64

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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-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
			5/15/2013	11.03	293.77
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
			5/15/2013	11.38	293.52

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Danbury, Connecticut

Well Number	Well Screen Elevation[2] *(ft)*	Measuring Point[1] Elevation[2] *(ft)*	Date Measured	Depth to Water Below Measuring Point *(ft)*	Elevation[2] *(ft)*
MW-503A	283 - 287	304.40	4/24/2002	11.82	292.58
			7/24/2002	11.31	293.09
			10/14/2002	12.45	291.95
			9/4/2003	NM	NA
			9/10/2004	11.10	293.30
			9/27/2005	12.12	292.28
			8/1/2006	10.63	293.77
			8/6/2007	11.55	292.85
			8/12/2008	11.84	292.56
			3/16/2009	10.79	293.61
			9/15/2009	11.05	293.35
			3/24/2010	10.35	294.05
			9/20/2010	11.98	292.42
			8/3/2011	10.81	293.59
			3/21/2012	11.27	293.13
			9/17/2012	11.20	293.20
			12/10/2012	12.08	292.32
			5/15/2013	10.79	293.61
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
			5/15/2013	13.03	291.47

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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-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
			5/15/2013	12.01	292.99
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
			5/15/2013	10.36	294.14
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
			5/15/2013	7.25	297.95

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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-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
			5/15/2013	7.90	289.95
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
			5/15/2013	8.61	289.57

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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
			5/15/2013	12.20	290.44
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
			5/15/2013	11.62	290.66

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Danbury, Connecticut

Well Number	Well Screen Elevation[2] *(ft)*	Measuring Point[1] Elevation[2] *(ft)*	Date Measured	Depth to Water Below Measuring Point *(ft)*	Elevation[2] *(ft)*
Off-Property Monitoring Wells:					
MW-14	279 - 289	296.52	4/24/2002	NM	NA
			7/24/2002	8.58	287.94
			10/16/2002	8.58	287.94
			9/4/2003	7.33	289.19
			9/16/2004	8.55	287.97
			9/28/2005	9.75	286.77
			8/1/2006	9.10	287.42
			8/6/2007	9.49	287.03
			8/13/2008	8.88	287.64
			3/16/2009	8.06	288.46
			9/15/2009	8.99	287.53
			3/24/2010	9.31	287.21
			9/20/2010	9.63	286.89
			3/21/2011	6.24	290.28
			8/3/2011	9.24	287.28
			3/21/2012	8.03	288.49
			9/17/2012	8.85	287.67
			12/10/2012	8.63	287.89
			5/15/2013	8.64	287.88
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
			5/15/2013	8.11	288.38
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
			5/15/2013	6.55	287.50

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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
			5/15/2013	5.00	287.02
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
			5/15/2013	5.94	288.27
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
			5/15/2013	2.80	289.43

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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	
			5/15/2013	8.10	
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
			5/15/2013	8.68	290.10
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
			5/15/2013	5.33	287.35

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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
			5/15/2013	6.32	287.62
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
			5/15/2013	5.54	287.34
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
			5/15/2013	5.65	287.27
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
			5/15/2013	5.67	287.18
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
			5/15/2013	2.94	288.19
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
			5/15/2013	2.40	288.97
MW-703		289.99	12/10/2012	4.66	285.33
			5/15/2013	5.18	284.81
DPMW-01		290.23	12/10/2012	4.91	285.32
			5/15/2013	5.44	284.79
DPMW-02		290.67	12/10/2012	destroyed - filled in	
DPMW-03		292.29	12/10/2012	6.47	285.82
			5/15/2013	6.93	285.36
DPMW-04		293.48	12/10/2012	7.84	285.64
			5/15/2013	8.34	285.14
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
			5/15/2013	6.73	

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GAR-MW-2A			3/21/2012	3.67	--
			9/17/2012	5.05	--
			12/10/2012	4.11	--
			5/15/2013	4.44	--
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
			5/15/2013	4.45	288.38
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
			5/15/2013	6.38	288.62
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
			5/15/2013	5.50	287.59
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
			5/15/2013	NM	NA
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
			5/15/2013	5.22	287.53
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
PZ-SR875	278.84 - 281.84	282.34	5/15/2013	2.02	280.32
PZ-SR1075	279.44 - 281.44	281.94	5/15/2013	1.63	280.31
PZ-SR1250	280.15 - 282.15	282.98	5/15/2013	2.63	280.35
PZ-SR1450	279.19 - 281.19	281.69	5/15/2013	1.60	280.09
PZ-SR1640	279.69 - 281.69	282.19	5/15/2013	2.85	279.34
PZ-SR1860	278.29 - 280.29	280.79	5/15/2013	1.62	279.17

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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)*
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
			5/15/2013	29.64	269.20
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
			5/15/2013	29.05	269.47
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
			5/15/2013	31.80	264.24

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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-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
			5/15/2013	23.98	279.32
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
			5/15/2013	23.86	274.14
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
			5/15/2013	32.09	270.21
RVW-101	--	--	9/15/2009	DRY	--
			9/20/2010	DRY	--
			12/10/2012	DRY	--
			5/15/2013	DRY	--

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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-101C	--	--	9/20/2010	11.39	--
			3/21/2012	10.17	--
			12/10/2012	11.25	--
			5/15/2013	NM	--
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	--
			5/15/2013	DRY	--
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	--
			5/15/2013	8.48	
RVW-105Q	--	--	8/6/2007	10.36	--
			9/15/2009	10.12	--
			9/20/2010	DRY	--
			12/10/2012	11.20	--
			5/15/2013	9.82	
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	--
			5/15/2013	10.18	
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
			5/15/2013	NM	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)*
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
			5/15/2013	NM	NA
RW-303	288.8 - 293.8	304.96	10/15/2002	13.43	291.53
			9/5/2003	9.94	295.02
			9/10/2004	10.52	294.44
			9/27/2005	11.32	293.64
			8/1/2006	NM	NA
			8/6/2007	10.42	294.54
			8/12/2008	10.24	294.72
			9/15/2009	10.02	294.94
			9/20/2010	10.82	294.14
			8/3/2011	9.42	295.54
			3/21/2012	DRY	NA
			9/17/2012	9.91	295.05
			12/10/2012	10.69	294.27
			5/15/2013	9.71	295.25
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
			5/15/2013	10.02	294.48
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
			5/15/2013	10.53	294.07

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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-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
			5/15/2013	10.52	294.08
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
			5/15/2013	NM	NA

NOTES:

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

ABBREVIATIONS:

ft = feet

NM = not measured

NA = not applicable since DTW not measured