HRP Associates, Inc.

Creating the Right Solutions Together

December 17, 2013

Ms. Claire Foster
Remediation Division
Connecticut Department of Energy & Environmental Protection
79 Elm Street
Hartford, CT 06106

RE: GROUNDWATER QUALITY MONITORING REPORT FOR THE THIRD QUARTER 2012 THROUGH THIRD QUARTER 2013, FORMER TORRINGTON COMPANY FACILITY, 263 MYRTLE STREET (FORMERLY 37 BOOTH STREET), NEW BRITAIN, CONNECTICUT, REM ID#11041 (HRP #ING0093.GW)

Dear Ms Foster:

On behalf of Ingersoll Rand, HRP is submitting to you the enclosed report documenting five quarterly sampling events conducted between August 2012 and September 2013 at the above referenced property. As you are aware, the Connecticut Department of Energy &Environmental Protection (CT DEEP) approved the completion of remediation at the property in 2011. The CT DEEP delegated oversight of remaining groundwater monitoring activities to an LEP following the sale of the property under a Form IV filing in May 2012.

Monitoring was performed based on the *September 2011 Semi-Annual Groundwater Quality Monitoring Report & Proposed Changes to Groundwater Monitoring Program,* dated November 18, 2011. The CT DEEP approved the proposed changes to the groundwater monitoring program and agreed that following two additional quarterly monitoring events at MW-4A with acceptable results; RSR compliance will have been achieved at all site monitoring wells and the groundwater monitoring program could then be discontinued. Monitoring of well MW-4A was extended for three additional quarters in response to analytical results. The additional monitoring was necessary to verify decreasing vinyl chloride concentrations.

The CT DEEP had also requested that LNAPL residing or trapped in MW-6 continue to be measured when groundwater samples were collected from MW-4a. The LNAPL trapped in this well is the only remaining LNAPL measured at the property following remediation and the removal of approximately 6,300 cubic yards of petroleum impacted soil. As previously indicated in the *September 2011 Semi-Annual Groundwater Quality Monitoring Report & Proposed Changes to Groundwater Monitoring Program* report, The areal distribution of the LNAPL was reduced by approximately 92%, and the concentrations of TPH detected in confirmation soil samples represent less than 16% pore space saturation, which is the minimum published range for the pore space saturation necessary for LNAPL situated below the water table to be mobile. LNAPL has been removed from the site to the maximum extent practicable.

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The enclosed report presents the groundwater monitoring results. HRP recommends that groundwater monitoring be discontinued at the subject property and respectfully requests that the CT DEEP approve the enclosed demonstration that vinyl chloride will reduce to a concentration at or below the Residential Volatilization Criteria. This recommendation is made because::

1. Compliance for all COCs in groundwater, other than vinyl chloride in MW-4a, was achieved in 2011,
2. The site is located within a GB area and is used for commercial/industrial purposes downgradient of the site,
3. An ELUR will be recorded to limit land use to industrial/commercial and building construction from over impacted groundwater (CT DEEP has approved a draft of the ELUR).
4. It has been demonstrated that concentrations of vinyl chloride detected in MW-4A will reduce to a concentration below the Residential Volatilization Criteria (1 µg/l) within 5 years,
5. The areal distribution of the LNAPL has been reduced by approximately 92%, and
6. The concentrations of TPH detected in confirmation soil samples represent less than 16% pore space saturation, which is the minimum published range for the pore space saturation necessary for LNAPL situated below the water table to be mobile.

If you have any questions or require any additional information, please do not hesitate to contact us at our Farmington, Connecticut office at (860) 674-9570.

Sincerely,

HRP ASSOCIATES, INC.

Scot Kuhn, LEP
Regional Office Manager

Enclosure

cc: David Sordi, Ingersoll Rand

GROUNDWATER QUALITY MONITORING REPORT
FOR THE THIRD QUARTER 2012
THROUGH THIRD QUARTER 2013

FORMER TORRINGTON COMPANY
263 MYRTLE STREET
(FORMERLY 37 BOOTH STREET)
NEW BRITAIN, CONNECTICUT
REM ID# 11041

HRP # ING0093.GW

December 17, 2013

Prepared for:

Ingersoll Rand
One Centennial Drive
Picsataway, NJ 08855

Prepared by:

HRP Associates, Inc.
Environmental/Civil Engineering & Hydrogeology
197 Scott Swamp Road
Farmington, CT 06032

Eric J. Boswell, LEP
Project Manager

TABLE OF CONTENTS

1.0 INTRODUCTION

Quarterly groundwater monitoring was conducted at the former Torrington Company Fafnir Bearing Facility located at 263 Myrtle Street (formerly 37 Booth Street), New Britain, Connecticut (site) between the third quarter in 2012 and third quarter 2013. The site location is illustrated on Figure 1.

Groundwater monitoring was conducted by HRP Associates, Inc. on the behalf of Ingersoll Rand. The monitoring was performed in accordance with the CT DEEP approved document *September 2011 Semi-Annual Groundwater Quality Monitoring Report & Proposed Changes to Groundwater Monitoring Program,* dated November 18, 2011.

Groundwater samples for the five quarterly monitoring events were obtained on the following dates:

- August 10, 2012 (Third Quarter 2012),
- December 5, 2012 (Fourth Quarter 2012),
- March 18, 2013 (First Quarter 2013),
- May 25 and June 4, 2013 (Second Quarter 2013), and
- September 4, 2013 (Third Quarter 2013).

This report provides a summary of the project background, groundwater monitoring activities, and results. The site history included the following

- Developed with an industrial campus,
- Demolition of site structures,
- Soil remediation,
- Redevelopment with a commercial/light-industrial building, and
- Groundwater monitoring.

The locations of former structures, removed source area soils, current development features, and monitoring wells are illustrated on Figure 2.

1.1 Site Status

1.1.1 Site Ownership Information

The site first entered into the Connecticut Department of Energy and Environmental Protection (CT DEEP) Transfer Program in 1995. At that time, ownership of the site was transferred from Ingersoll Rand to the City of New Britain under Connecticut's "Transfer Act" (CGS 22a-134.

In 2007, the City transferred ownership of the site to Cakemaker LLC, and submitted a Form III Transfer Act filing to the CT DEEP. Due to historic releases, the CT DEEP retained oversight of the investigation and remediation necessary to achieve compliance with the Remediation Standard Regulations (RSR) for the site.

The site was transferred from Cakemaker, LLC to NL Ventures IX Celebration, LLC in May 2012 under a Form IV Filing; indicating that remediation at the site has been completed.

1.1.2 Site Redevelopment

The site was redeveloped in 2007 with a two-story commercial building, which is primarily used for the creation of ice cream cakes by Celebration Foods. Contaminated soils remaining in-place were encountered during the redevelopment activities. These soils were previously left beneath clean cover material as allowed by the RSR with CT DEEP approval (refer to Section 1.2). During construction activities, contaminated materials were managed in accordance with the *Soil Management Plan* approved by the CT DEEP in May 2007. All impacted soils encountered during site redevelopment were retained and reused on-site, with one minor exception. Less than 5 cubic yards of hydraulic oil impacted soils were removed from the site for disposal in June 2007. The contaminated soil management activities were documented in the *Soil Closure Report* submitted to the CT DEEP on April 7, 2010.

1.1.3 Environmental Land Use Restriction (ELUR)

An Environmental Land Use Restriction (ELUR) will be recorded for the property. The terms of the ELUR will:

- Restrict current and future use of the site to commercial and/or industrial
- Limit new construction on-site over areas of impacted groundwater
- Ensure that the building will remain in place and prevent disturbances to the soils which exceed the I/C DEC numeric criteria in localized areas of the property.

1.2 Historical Groundwater Monitoring and Remedial Actions

HRP conducted soil remediation (soil excavation and off-site disposal) at the site in 1998 and 1999, concurrent with demolition of the former Torrington Company Fafnir Bearing buildings. Petroleum, arsenic, volatile organic compounds (VOCs), lead, and polychlorinated biphenyl's (PCBs) were detected in soil at concentrations that exceeded RSR criteria. These soils were remediated to the Industrial/Commercial Direct Exposure Criteria (I/C DEC) in accordance with the RSR and a quarterly post-remediation groundwater monitoring plan was implemented at the site.

Groundwater monitoring was conducted at the site from 2001 to August 2002 on a quarterly basis. The monitoring frequency was subsequently reduced to semi-annual. At that time, specific contaminants in groundwater and the presence of light non-aqueous phase liquid (LNAPL) in certain monitoring wells persisted. The monitoring plan was revised in 2005/2006 to sample fewer wells for Extractable Total Petroleum Hydrocarbons (ETPH) and temporarily discontinue sampling wells for arsenic (except for RMW-29), cadmium and lead.

Although contaminant concentrations generally decreased, select VOCs persisted in groundwater above applicable RSR criteria, and LNAPL was present at select locations. Therefore, the post-remediation monitoring plan was revised, submitted to the CT DEEP, and approved in February 2008. All post-remediation groundwater monitoring reports have been submitted to the CT DEEP.

The revised groundwater monitoring program included gauging and sampling of select monitoring wells. Following site redevelopment in 2007, monitoring wells MW-1, MW-2a, MW-3, MW-4A, MW-5, MW-6, MW-7, and MW-8a were installed to various depths as overburden/shallow bedrock wells in January and February 2008 (Figure 2). These and existing monitoring wells RMW-3, RMW-15, RMW-17 and RMW-19, were designed to meet specific goals for both compliance and post-remediation groundwater monitoring at the former Fafnir Bearing Plant. Monitoring well samples were analyzed for VOCs, select metals and ETPH. Measurements for LNAPL accumulation were performed, and where an appreciable thickness was measured, the LNAPL was removed.

Following the September 2011 groundwater sampling event, RSR compliance was demonstrated at all monitoring wells, with the exception of MW-4A, HRP recommended the discontinuation of monitoring at all wells except MW-4A. The CT DEEP approved the proposed changes to the groundwater monitoring program and agreed that following additional quarterly monitoring events at MW-4A with acceptable results; RSR compliance will have been achieved at all site monitoring wells and the groundwater monitoring program could then be discontinued.

1.2.1 Sub-Slab Depressurization (SSD) System & Soil Gas Sampling

Since the current commercial building was installed over a large portion of the VOC plume, a potential vapor intrusion risk was recognized prior to building construction. A sub-slab depressurization (SSD) system was installed beneath the building at the time of its construction as a precautionary vapor intrusion mitigation measure.

Sub-slab soil gas monitoring was performed to determine if completion and operation of the SSD system was warranted. Following completion of building construction, sub-slab soil gas monitoring points, located within the building footprint, were sampled on a quarterly basis between August 2008 and May 2009. The results of the soil gas sampling were consistently below both the current 1996 promulgated numeric comparison criteria of the RSR and the 2003 proposed revisions, where established, and the sampling was discontinued in May 2009. No further soil gas sampling is planned, and completion of the SSD system has been determined to be unnecessary.

2.0 GROUNDWATER MONITORING

As previously documented, compliance with the CT DEEP RSRs has been achieved at all site monitoring wells representing the groundwater plumes, except monitoring well MW-4A. As approved by the CT DEEP, MW-4A was the only monitoring well sampled during the continued groundwater monitoring program. MW-4A was sampled on August 10 and December 5, 2012 and on March 18, June 4, and September 4, 2013. Given the opportunity, monitoring well MW-6 was gauged for the presence of LNAPL concurrently with these sampling events.

2.1 Applicable RSR Criteria

The site is located in an areas classified with GB quality groundwater. An ELUR will be placed on the site limiting its use to industrial/commercial. Given the setting, land use, and correspondence with the CT DEEP, the applicable RSR criteria for the site are as follows:

- 2003 proposed Industrial/Commercial Volatilization Criteria (I/C VC),
- 1996 Residential Volatilization Criteria (Res VC), (at the down-gradient property boundary),
- Surface Water Protection Criteria (SWPC), or Alternative SWPC (ASWPC).

All groundwater monitoring results from this site are compared to the 2003 proposed I/C VC, which were approved by the CT DEEP for use at the site on September 28, 2011, and groundwater results from monitoring wells proximal to the downgradient property boundary are compared to the 1996 Res VC.

The 2011 quarterly groundwater monitoring report, previously referenced, provided a complete and detailed description of the applicable RSR criteria, how certain alternative criteria was calculated for use at the site, and demonstration of compliance with the applicable RSR groundwater criteria.

2.2 Groundwater & LNAPL Gauging Data

The depth to groundwater was measured at monitoring well MW-4A and MW-6 during each of the five quarterly sampling events. The depth to LNAPL was measured in MW-6 during each event, and LNAPL thickness calculated. The gauging data was obtained using an electronic water level meter and dual-phase interface probe. A summary of groundwater elevation and LNAPL measurements is provided on Table 1.

The gauging data were generally consistent with previous groundwater levels. The groundwater depth in well MW-4A ranged from 25.14 feet (March 2013) to 27.56 feet (September 2013) below grade. The depth to groundwater measured at monitoring well MW-6 ranged from 9.92 feet (March 2013) to 11.15 feet (September 2013) below grade. The September 2013 groundwater depth measurements for both wells were the lowest levels measured in each well since the March 2008 monitoring event, which suggested a slightly lower than normal groundwater table.

Former monitoring well RMW-10 was previously located in close proximity of current monitoring well MW-6. RMW-10 historically contained measurable LNAPL at greater thicknesses than recently detected (Figure 3). Trapped LNAPL was detected within MW-6 at thicknesses ranging between 0.05 feet and 0.66 feet during the August 2012 to September

2013 gauging events. The greatest LNAPL thicknesses of 0.66 feet and 0.61 feet were detected when the lowest groundwater depths were recorded (June 2013 and September 2013). The LNAPL gauging data trends in monitoring well MW-6 compared to fluctuations in groundwater elevation are presented on Figure 3.

2.3 Groundwater Sampling Methods

Monitoring well MW-4A was sampled following low-flow purge and sampling techniques. The following groundwater geochemical parameters were measured to determine stabilization of well purging.

- pH,
- Temperature,
- Dissolved Oxygen (DO),
- Oxygen Reduction Potential (ORP),
- Turbidity, and
- Specific Conductivity

Upon stabilization, the groundwater samples were collected and submitted to Con-Test Analytical Laboratory (Con-Test), a Connecticut-certified laboratory, for analysis of VOCs by EPA Method 8260C.

The groundwater samples from all five monitoring events were analyzed in accordance with CT DEEP RCP. A trip blank accompanied the samples during storage and transport, which was analyzed for QA/QC purposes.

2.4 Laboratory Analytical Results

VOCs were detected in the groundwater samples collected during each of the five quarterly events. The results were consistent with historical data. A summary of the analytical data from these sampling events are provided in Table 2 and the laboratory reports are included as Appendix A. A summary of the VOC detections is provided below.

- 1,1,1-Trichloroethane (TCA) and 1,1-Dichloroethane (DCA) were detected during all five quarterly sampling events, and were present at concentrations less than the applicable RSR criteria.

- Dichlorodifluoromethane (Freon 12) was detected during two events (December 5, 2012 and June 4, 2013), and was present at concentrations less than the applicable RSR criteria.

- The following three VOCs were detected during both the December 5, 2012 and September 4, 2013 sampling events, and were present at concentrations less than the applicable RSR criteria:
    - 1,1,2-trichlorotrifluoroethane (Freon 113)
    - Chloroethane
    - Cis-1,2-dichloroethylene

- The following five VOCs were detected during the September 4, 2013 event, and were present at concentrations less than applicable RSR criteria:
    - 1,1-Dichloroethane
    - Isopropylbenzene
    - Naphthalene
    - Tetrachloroethylene
    - Trichloroethylene

- Vinyl chloride was detected in MW-4A during the December 5, 2012 and September 4, 2013 sampling events. The detected concentrations of this compound were greater than the 2003 Proposed Residential Volatilization Criteria, but less than the 2003 Proposed Industrial/Commercial Volatilization Criteria. Vinyl chloride was not detected above the laboratory reporting limits during the other three quarterly sampling events. The vinyl chloride concentration trend for MW-4A has been rapidly declining since remediation was performed and is stable at low levels (Figure 4).

2.5 Demonstration of Vinyl Chloride Reduction Within 5 Years

Concentrations of vinyl chloride have reduced from slightly over 200 µg/l in July 2008 to 12 µg/l in September 2013 (Figure 4). The rate of attenuation was calculated using the following first-order reaction formula (Practical Design Calculations for Groundwater and Soil Remediation, 1999, pgs 108-109):

$$C = C_o \times e^{kt}$$

Where:

C = the concentration of the substance at time t
Co = the initial concentration of the substance
K = the attenuation rate constant
T = the elapsed time

Using this equation, the rate of attenuation between July 2008 and September 2013 can be calculated as follows:

$$12\ \mu g/l = 202\ \mu g/l \times e^{k(5.2)}$$

$$\ln (12\ \mu g/l / 202\ \mu g/l) = \ln (e^{k(5.2)})$$

$$\ln (202\ \mu g/l / 12\ \mu g/l) = 5.2k$$

$$\ln (202\ \mu g/l / 12\ \mu g/l) / 5.2 = k$$

$$k = 0.54 / \text{years}$$

Based on the long-term monitoring results, the period necessary for the concentration to decline below 1 µg/l is:

$1\ \mu g/l = 202\ \mu g/l \times e^{(0.54)t}$

$\ln (1\ \mu g/l / 202\ \mu g/l) = \ln (e^{(0.54)t})$

$\ln (202\ \mu g/l / 1\ \mu g/l) = 0.54t$

$\ln (202\ \mu g/l / 1\ \mu g/l) / 0.54 = t$

$t = 9.83\ (10)$ years from July 2008

Based on the observed long-term decreasing trends (Figure 4) and this calculation, the concentrations of vinyl chloride will attenuate to less than 1 µg/l at MW-4A in less than 5 additional years. Applying this equation to the more recent data set generated between May 2012 (39 µg/l) and September 2013 (12 µg/l), we find the attenuation rate to be faster (0.93 / years) and the time for vinyl chloride to decrease to below 1 µg/l is 4 years from May 2012.

2.6 QA/QC

The groundwater samples collected during the five quarterly sampling events were handled in accordance with the site-specific monitoring program and HRP's standard operating procedures. The samples were stored on ice and transported under chain-of-custody protocols to Con-Test. The groundwater samples were analyzed and reported in accordance with Connecticut Laboratory Quality Assurance and Quality Control (QA/QC) Guidance - *Reasonable Confidence Protocols* (RCP), and as such any deviations from the RCP that may affect the usability of the data are documented in the laboratory reports. The laboratory analytical reports included QA/QC certification forms, narratives, analytical results and quality control report, as prescribed by the RCP.

The laboratory analytical report case narratives were also reviewed in accordance with the CT DEEP *Data Quality Assessment and Data Usability Evaluation (DQA/DUE) Guidance Document*, (revised December 2010). Following a review of the case narratives, laboratory analytical results and the quality control report; the data quality is considered adequate to meet the data quality objectives for the site groundwater monitoring program. Although the March 2013 laboratory data did not meet RCP protocols due to slight out-of-specification sample temperature compliance, the March 2013 results were consistent with previous sampling data. The elevated temperature is attributed to a short hold/storage time.

A trip blank was also analyzed for VOCs during each sampling event (except for the March 2013 event). VOCs were not detected above laboratory detection limits in any of the trip blanks.

3.0 FINDINGS AND CONCLUSIONS

Quarterly groundwater monitoring was performed at the Former Torrington Company, Fafnir Bearing Plant, in New Britain, Connecticut. Monitoring well MW-4A was sampled for analysis of VOCs during the third and fourth quarters of 2012, and during the first, second, and third quarters of 2013. LNAPL thickness was also gauged during the five sampling events in monitoring well MW-6.

3.1 Analytical Results for MW-4A

Analytical results from the groundwater samples collected from MW-4A during the five quarterly sampling events conducted between August 2012 and September 2013 indicated that low levels of VOCs were detected at concentrations that were less than RSR criteria, with the exception of vinyl chloride. Vinyl chloride was detected at concentrations that exceeded the 1996 and the proposed 2003 Residential Volatilization Criteria during the December 2012 and September 2013 sampling events. Vinyl chloride was not detected above laboratory reporting limits during the sampling events conducted in August 2012, March 2013, or June 2013.

Although fluctuations of vinyl chloride concentrations have occasionally exceeded the 1996 and 2003 Proposed Residential Volatilization Criteria in monitoring well MW-4A, the overall concentration trend since early 2009 is strongly decreasing. Vinyl chloride was not detected during fourteen of the past twenty-three consecutive sampling events.

Continued groundwater monitoring at MW-4A is not warranted given the following:

1. Remediation has been completed,
2. Compliance for all COCs in groundwater was achieved in 2011, other than for vinyl chloride,
3. The site is located within a GB area,
4. An ELUR will be recorded to limit land use to industrial/commercial and building construction over impacted groundwater,
5. Compliance with the Industrial/Commercial Volatilization Criteria has been demonstrated at MW-4A, and
6. It has been demonstrated that concentrations of vinyl chloride detected in MW-4A will reduce to a concentration below the Residential Volatilization Criteria (1 µg/l) within 5 years as described above and depicted on Figure 4.

3.2 LNAPL Gauging at MW-6/RMW-10

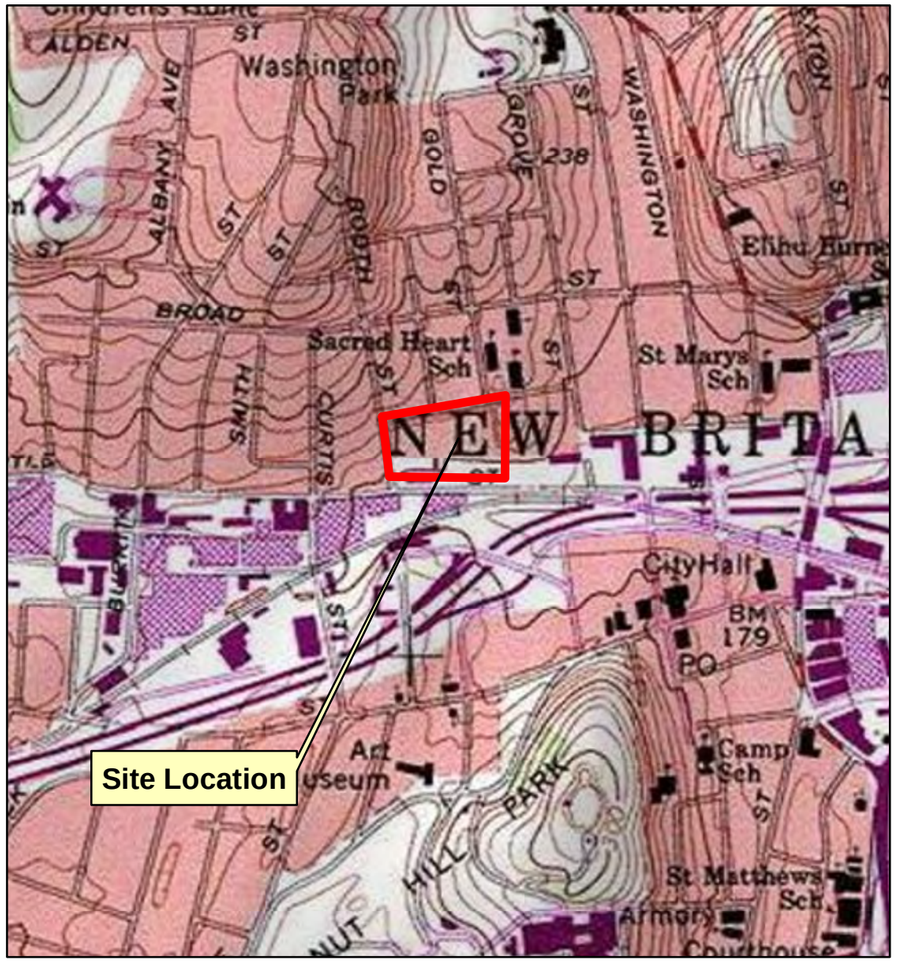
Quarterly gauging for the presence of accumulated LNAPL at monitoring well MW-6 was performed as part of the groundwater monitoring program. Accumulated LNAPL was detected within MW-6 at thicknesses ranging between 0.05 feet and 0.66 feet during the August 2012 to September 2013 gauging events. The greatest LNAPL thicknesses of 0.66 feet and 0.61 feet were detected when the lowest groundwater depths were recorded in June 2013 and September 2013, respectively. The LNAPL measurements in this well continue to indicate a decreased accumulation compared to historical measurements. The recent accumulation is attributed to below average groundwater elevations. Continued monitoring for LNAPL is not warranted based on the following:

1. LNAPL has been removed to the maximum extent practicable,
2. The LNAPL source area was remediated through excavation,

3. The areal distribution of the LNAPL has been reduced by approximately 92%, and
4. The concentrations of TPH detected in confirmation soil samples represent less than 16% pore space saturation, which is the minimum published range for the pore space saturation necessary for LNAPL situated below the water table to be mobile as previously discussed in the *September 2011 Semi-Annual Groundwater Quality Monitoring Report & Proposed Changes to Groundwater Monitoring Program.*

FIGURES

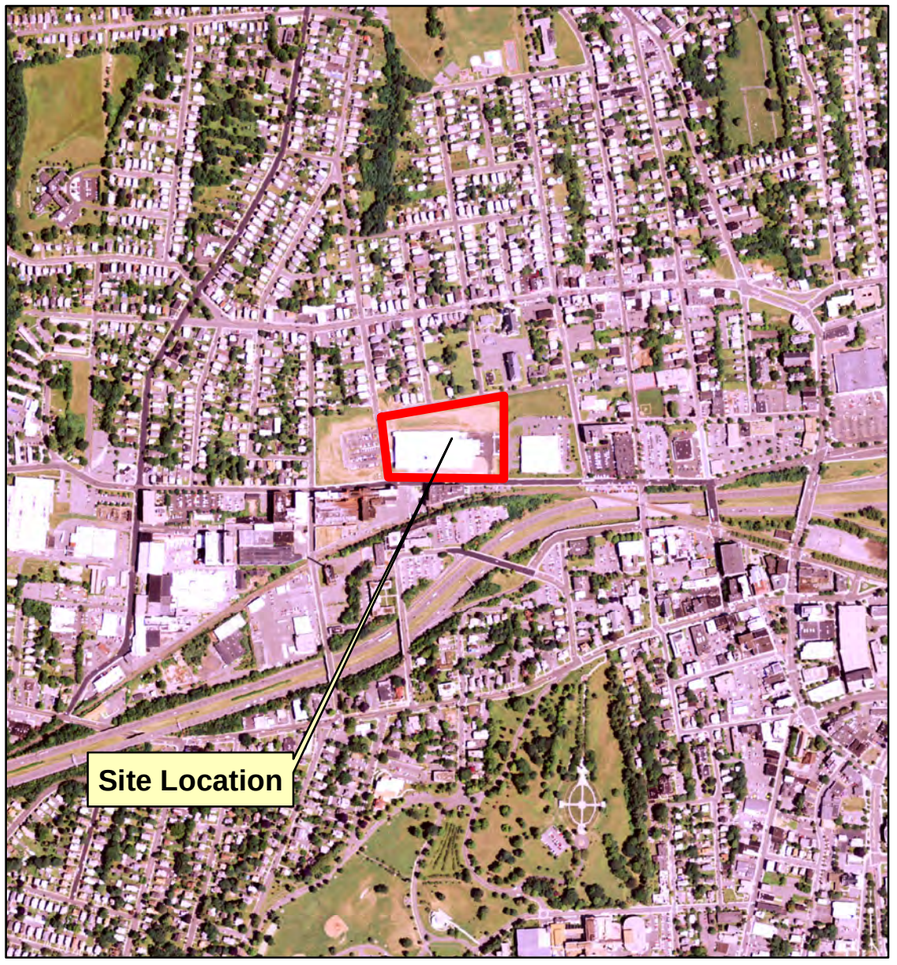
Topographic Map
(USGS New Britain, Connecticut)



0 500 1,000 2,000 3,000 4,000 Feet

1 inch = 1,000 feet

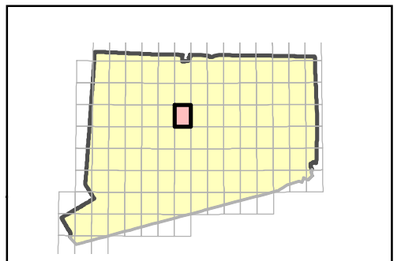
Aerial Photograph
(State of Connecticut 2008)



0 500 1,000 2,000 3,000 4,000 Feet

1 inch = 1,000 feet

N



USGS Quadrangle Information
Quad ID: 41072-F7
Name: New Britain, Connecticut
Date Rev: 1982
Date Pub: 1985

Figure 1
Site Location Map and Aerial Photograph
Former Fafnir Bearing
263 Myrtle Street
(Formerly 37 Booth Street)
New Britain, Connecticut
HRP # ING0093.GW
Scale 1" = 1,000'

HRP Associates, Inc.
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Map References:

USGS Quadrangle : Copyright:© 2009 National Geographic Society, i-cubed, Quad ID: 41072-F7

Aerial Photography: State Of Connecticut Department of Energy and Environmental Protection (DEEP)
SDE Feature Class - depgis.DEP.ORTHO_2008_4BAND_NAIP_INDEX

North

SITE BUILDING

PROPERTY BOUNDARY

ORANGE STREET

SILVER ST.

GOLD ST.

LAFAYETTE STREET

GROVE STREET

CURTIS STREET

CELEBRATION WAY (FORMERLY BOOTH STREET)

MYRTLE STREET

RMW-3 RMW-19 RMW-20 RMW-20R RMW-1 RMW-2 RMW-4 RMW-5 RMW-6 RMW-7 RMW-8R RMW-9 RMW-10R RMW-11 RMW-12 RMW-14 RMW-15 RMW-17 RMW-21 RMW-22 RMW-23 RMW-24 RMW-25 RMW-26 RMW-27 RMW-28 RMW-29

MW-1 MW-2a & 2b MW-3 MW-4a & 4b MW-5 MW-6 MW-7 MW-8a & 8b

RA-1 RA-2 RA-3 RA-4 RA-5 RA-6 RA-8 RA-9/12 RA-10 RA-11 RA-15

#1 #2 #3 #3A #4 #5 #6 #8 #12 #12-EXT #12A #14 #16 #18 #19 #20 #27 #29 #31 #33 #34 #37 #40 #41 #42 #45 #46 #48 #49 #52

LOADING DOCK

BLDG. 28

CB-5

ELECTRICAL EQUIPMENT

EXISTING BUILDING
(TENERGY PROPERTY)
(FORMERLY PART OF FAFNIR BEARING PLANT)

LEGEND

- –EXISTING WELL TO BE USED FOR GROUNDWATER MONITORING
- –MONITORING WELL REMOVED TO ACCOMODATE SITE REDEVELOPMENT
- –MONITORING WELL INSTALLED IN JANUARY/FEBRUARY 2008
- –FORMER REMEDIATION AREAS
- #31 –FORMER BUILDING
- –INFERRED DIRECTION OF GROUNDWATER FLOW
- –TENERGY PROPERTY

130 0 65 130
APPROXIMATE SCALE
(1" = 130')

FIGURE 2
SITE PLAN
FORMER FAFNIR BEARING
263 MYRTLE STREET
(FORMERLY 37 BOOTH STREET)
NEW BRITAIN, CONNECTICUT
HRP# ING0093.GW
SCALE: 1" = 130'

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Figure 3
LNAPL Thickness (RMW-10/MW-6)
Former Fafnir Bearing Company
263 Myrtle Street (Formerly 37 Booth Street)
New Britain, Connecticut

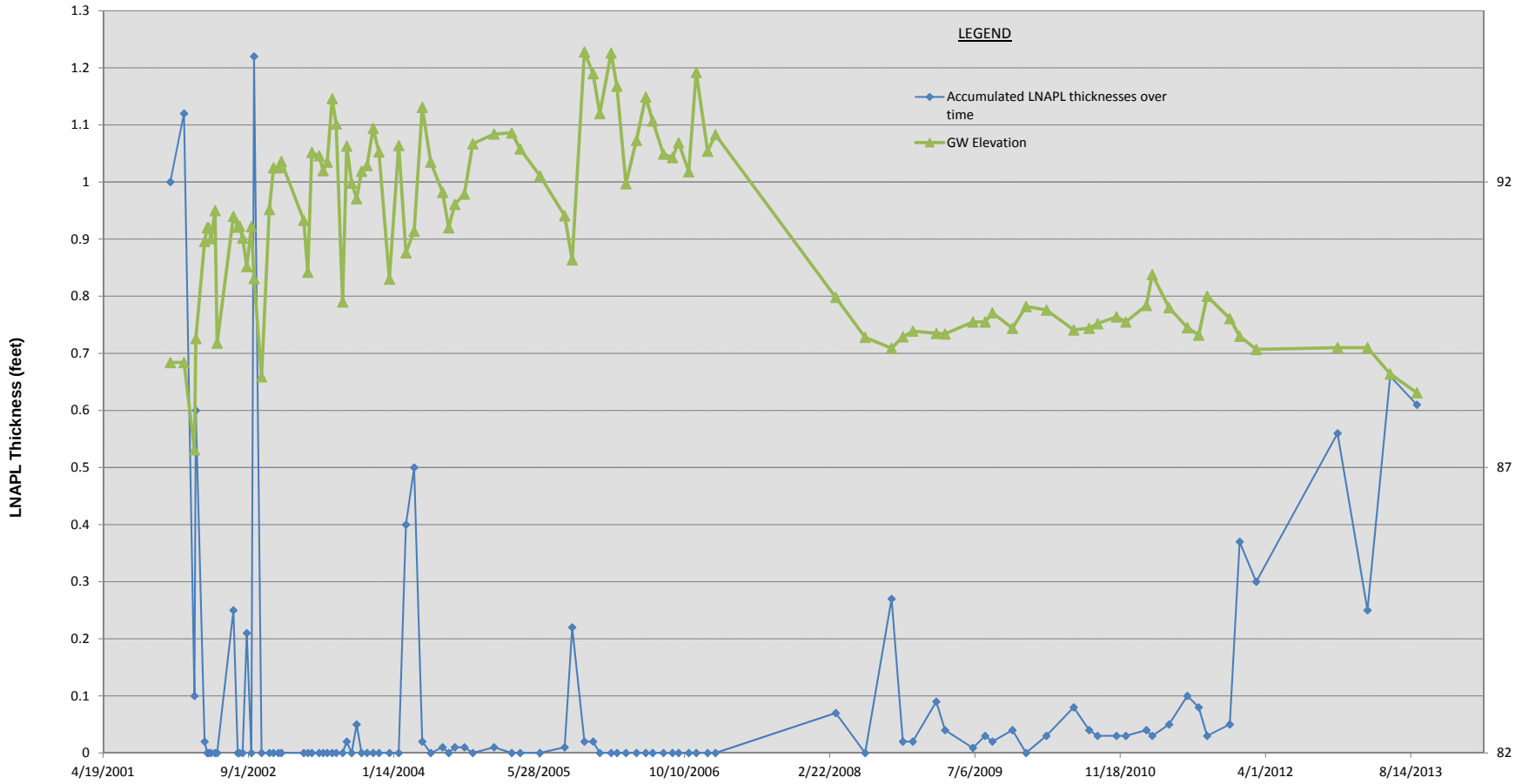
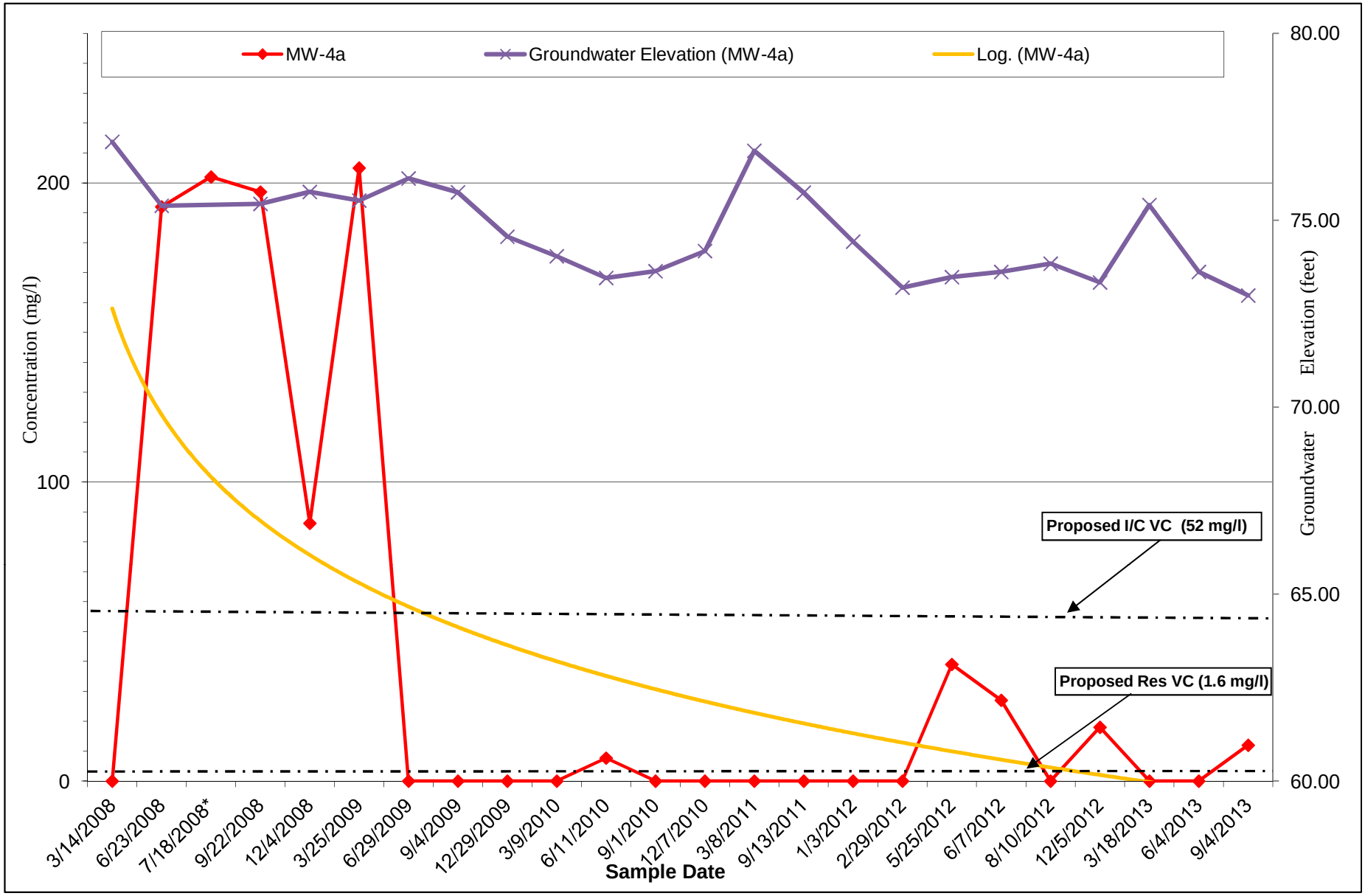


Figure 4
Vinyl Chloride Concentration Trends: MW-4A
Former Fafnir Bearing Company
263 Myrtle Street (Formerly 37 Booth Street)
New Britain, Connecticut



TABLES

TABLE 1
Monitoring Well Elevation and Gauging Data

Former Torrington Company
Fafnir Bearing Plant
263 Myrtle Street
(formerly 37 Booth Street)
New Britain, CT

Monitoring Well	Well Construction	Casing Elevation (PVC)	Well Screen	Depth to Bedrock	Gauging Date	Depth to Water	Groundwater Elevation	Depth to LNAPL	LNAPL Thickness	Corrected Depth to Water
MW-1	Overburden/Bedrock	104.29	3-15'	12'	3/14/2008	4.72	99.57	-	-	-
					6/23/2008	5.7	99.57	-	-	-
					9/22/2008	5.29	99.00	-	-	-
					12/4/2008	5.09	99.20	-	-	-
					3/25/2009	5.09	99.20	-	-	-
					6/29/2009	5.92	98.37	-	-	-
					9/4/2009	5.57	98.72	-	-	-
					12/29/2009	5.05	99.24	-	-	-
					3/9/2010	4.94	99.35	-	-	-
					6/11/2010	5.70	98.59	-	-	-
					9/1/2010	6.24	98.05	-	-	-
					12/7/2010	5.89	98.40	-	-	-
					3/8/2011	4.48	99.81	-	-	-
					9/13/2011	4.83	99.46	-	-	-
					2/29/2012	6.38	97.91	-	-	-
					5/25/2012	5.78	98.51	-	-	-
MW-2a	Overburden/Bedrock	102.44	11.5-26.5'	24'	3/14/2008	14.53	87.91	-	-	-
					6/23/2008	16.12	86.32	-	-	-
					9/22/2008	16.05	86.39	-	-	-
					12/4/2008	15.33	87.11	-	-	-
					3/25/2009	15.27	87.17	-	-	-
					6/29/2009	14.74	87.70	-	-	-
					9/4/2009	15.54	86.90	-	-	-
					12/29/2009	14.49	87.95	-	-	-
					3/9/2010	14.81	87.63	-	-	-
					6/11/2010	16.28	86.16	-	-	-
					9/1/2010	16.48	85.96	-	-	-
					12/7/2010	15.82	86.62	-	-	-
					3/8/2011	13.99	88.45	-	-	-
					9/13/2011	14.46	87.98	-	-	-
					2/29/2012	15.85	86.59	-	-	-
					5/25/2012	15.98	86.46	-	-	-
MW-2b	Bedrock	102.30	30-40'	24'	3/14/2008	16.55	85.75	-	-	-
					6/23/2008	17.86	84.44	-	-	-
					9/22/2008	17.56	84.74	-	-	-
					12/4/2008	16.94	85.36	-	-	-
					3/25/2009	16.82	85.48	-	-	-
					6/29/2009	16.37	85.93	-	-	-
					9/4/2009	17.06	85.24	-	-	-
					12/29/2009	16.21	86.09	-	-	-
					3/9/2010	16.48	85.82	-	-	-
					6/11/2010	17.57	84.73	-	-	-
					9/1/2010	17.80	84.50	-	-	-
					12/7/2010	17.24	85.06	-	-	-
					3/8/2011	15.41	86.89	-	-	-
					9/13/2011	16.05	86.25	-	-	-
					2/29/2012	17.01	85.29	-	-	-
					5/25/2012	17.11	85.19	-	-	-
MW-3	Overburden/Bedrock	103.98	20.5-40.5'	35.5'	3/14/2008	23.06	80.92	-	-	-
					6/23/2008	25.14	78.84	-	-	-
					9/22/2008	24.05	79.93	-	-	-
					12/4/2008	23.86	80.12	-	-	-
					3/25/2009	25.11	78.87	-	-	-
					6/29/2009	24.77	79.21	-	-	-
					9/4/2009	25.11	78.87	-	-	-
					12/29/2009	24.52	79.46	-	-	-
					3/9/2010	24.78	79.20	-	-	-
					6/11/2010	23.69	80.29	-	-	-
					9/1/2010	25.17	78.81	-	-	-
					12/7/2010	25.06	78.92	-	-	-
					3/8/2011	23.69	80.29	-	-	-
					9/13/2011	23.33	80.65	-	-	-
					2/29/2012	24.01	79.97	-	-	-
					5/25/2012	23.76	80.22	-	-	-
MW-4a	Overburden/Bedrock	100.55	15-35'	30-35'	3/14/2008	23.45	77.10	-	-	-
					6/23/2008	25.16	75.39	-	-	-
					7/18/2008			-	-	-
					9/22/2008	25.11	75.44	-	-	-
					12/4/2008	24.79	75.76	-	-	-
					3/25/2009	25.02	75.53	-	-	-
					6/29/2009	24.43	76.12	-	-	-
					9/4/2009	24.80	75.75	-	-	-
					12/29/2009	25.99	74.56	-	-	-
					3/9/2010	26.51	74.04	-	-	-
					6/11/2010	27.09	73.46	-	-	-
					9/1/2010	26.91	73.64	-	-	-
					12/7/2010	26.37	74.18	-	-	-
					3/8/2011	23.69	76.86	-	-	-
					9/13/2011	24.81	75.74	-	-	-
					1/3/2012	26.12	74.43	-	-	-
					2/29/2012	27.35	73.20	-	-	-
					5/25/2012	27.07	73.48	-	-	-
					6/7/2012	26.93	73.62	-	-	-
					8/10/2012	26.71	73.84	-	-	-
					12/5/2012	27.21	73.34	-	-	-
					3/18/2013	25.14	75.41	-	-	-
					6/4/2013	26.93	73.62	-	-	-
					9/4/2013	27.56	72.99	-	-	-
MW-4b	Bedrock	100.405	41-51'	30-35'	3/14/2008	24.59	75.82	-	-	-
					6/23/2008	24.59	75.82	-	-	-
					9/22/2008	25.76	74.65	-	-	-
					12/4/2008	25.64	74.77	-	-	-
					3/25/2009	25.53	74.88	-	-	-
					6/29/2009	25.75	74.66	-	-	-
					9/4/2009	25.63	74.78	-	-	-
					12/29/2009	26.97	73.44	-	-	-
					3/9/2010	27.42	72.99	-	-	-
					6/11/2010	27.68	72.73	-	-	-
					9/1/2010	27.70	72.71	-	-	-
					12/7/2010	27.44	72.97	-	-	-
					3/8/2011	26.15	74.26	-	-	-
					9/13/2011	26.69	73.72	-	-	-
					2/29/2012	27.70	72.71	-	-	-
					5/25/2012	27.74	72.67	-	-	-

TABLE 1
Monitoring Well Elevation and Gauging Data

Former Torrington Company
Fafnir Bearing Plant
263 Myrtle Street
(formerly 37 Booth Street)
New Britain, CT

Monitoring Well	Well Construction	Casing Elevation (PVC)	Well Screen	Depth to Bedrock	Gauging Date	Depth to Water	Groundwater Elevation	Depth to LNAPL	LNAPL Thickness	Corrected Depth to Water
MW-5	Overburden/Bedrock	97.72	6.5-26.5'	20.5'	3/14/2008	17.21	80.51	-	-	-
					6/23/2008	20.02	77.70	-	-	-
					9/22/2008	20.17	77.55	-	-	-
					12/4/2008	19.79	77.93	-	-	-
					3/25/2009	19.74	77.98	-	-	-
					6/29/2009	19.25	78.47	-	-	-
					9/4/2009	19.79	77.93	-	-	-
					12/29/2009	18.78	78.94	-	-	-
					3/9/2010	19.32	78.40	-	-	-
					6/11/2010	19.78	77.94	-	-	-
					9/1/2010	19.81	77.91	-	-	-
					12/7/2010	19.98	77.74	-	-	-
					3/8/2011	17.45	80.27	-	-	-
					9/13/2011	18.27	79.45	-	-	-
					2/29/2012	20.76	76.96	-	-	-
					5/25/2012	20.27	77.45	-	-	-
MW-6	Overburden/Bedrock	99.46	3-22'	20'	3/14/2008	9.48	89.98	9.41	0.07	9.42
					6/23/2008	10.18	89.28	-	-	-
					9/22/2008	10.37	89.09	10.10	0.27	10.14
					10/31/2008	10.17	89.29	10.15	0.02	10.15
					12/4/2008	10.07	89.39	10.05	0.02	10.05
					2/23/2009	10.11	89.35	10.02	0.09	10.03
					3/25/2009	10.12	89.34	10.08	0.04	10.09
					6/29/2009	9.91	89.55	Sheen	<0.01	9.91
					8/10/2009	9.91	89.55	9.94	0.03	9.88
					9/4/2009	9.75	89.71	9.73	0.02	9.73
					11/12/2009	10.02	89.44	9.98	0.04	9.99
					12/29/2009	9.64	89.82	-	-	-
					3/9/2010	9.70	89.76	9.67	0.03	9.67
					6/11/2010	10.05	89.41	9.97	0.08	9.98
					8/3/2010	10.02	89.44	9.98	0.04	9.99
					9/1/2010	9.94	89.52	9.91	0.03	9.91
					11/5/2010	9.82	89.64	9.79	0.03	9.79
					12/7/2010	9.91	89.55	9.88	0.03	9.88
					2/16/2011	9.62	89.84	9.58	0.04	9.59
					3/8/2011	9.08	90.38	9.05	0.03	9.05
					5/5/2011	9.66	89.80	9.61	0.05	9.62
					7/7/2011	10.01	89.45	9.91	0.10	9.93
					8/15/2011	10.14	89.32	10.06	0.08	10.07
					9/13/2011	9.46	90.00	9.43	0.03	9.43
					11/30/2011	9.85	89.61	9.80	0.05	9.81
					1/3/2012	10.47	89.30	10.10	0.37	10.16
					1/30/2012	10.45	89.27	10.14	0.31	10.19
					2/29/2012	10.65	89.07	10.35	0.30	10.40
					4/4/2012	10.55	89.10	10.33	0.22	10.36
					5/25/2012	10.61	89.17	10.23	0.38	10.29
					6/7/2012	10.43	89.22	10.21	0.22	10.24
					8/10/2012	10.22	89.28	10.17	0.05	10.18
					12/5/2012	10.79	89.15	10.23	0.56	10.31
					3/18/2013	9.92	89.75	9.67	0.25	9.71
					6/4/2013	10.82	89.20	10.16	0.66	10.26
					9/4/2013	11.15	88.83	10.54	0.61	10.63
MW-7	Overburden/Bedrock	100.42	5-20'	15'	3/14/2008	11.91	88.51	-	-	-
					6/23/2008	14.11	86.31	-	-	-
					9/22/2008	14.06	86.36	-	-	-
					12/4/2008	13.72	86.70	-	-	-
					3/25/2009	13.83	86.59	-	-	-
					6/29/2009	13.21	87.21	-	-	-
					9/4/2009	13.61	86.81	-	-	-
					12/29/2009	12.66	87.76	-	-	-
					3/9/2010	12.99	87.43	-	-	-
					6/11/2010	13.75	86.67	-	-	-
					9/1/2010	13.64	86.78	-	-	-
					12/7/2010	13.45	86.97	-	-	-
					3/8/2011	11.60	88.82	-	-	-
					9/13/2011	11.58	88.84	-	-	-
					2/29/2012	13.82	86.60	-	-	-
					5/25/2012	13.57	86.85	-	-	-
MW-8a	Overburden/Bedrock	103.27	17.5-37.5'	35'	3/14/2008	26.30	76.97	-	-	-
					6/23/2008	27.68	75.59	-	-	-
					9/22/2008	27.71	75.56	-	-	-
					12/4/2008	27.38	75.89	-	-	-
					3/25/2009	27.51	75.76	-	-	-
					6/29/2009	27.11	76.16	-	-	-
					9/4/2009	27.47	75.80	-	-	-
					12/29/2009	26.91	76.36	-	-	-
					3/9/2010	27.28	75.99	-	-	-
					6/11/2010	27.65	75.62	-	-	-
					9/1/2010	27.60	75.67	-	-	-
					12/7/2010	27.30	75.97	-	-	-
					3/8/2011	26.02	77.25	-	-	-
					9/13/2011	26.50	76.77	-	-	-
					2/29/2012	27.72	75.55	-	-	-
					5/25/2012	27.42	75.85	-	-	-
MW-8b	Bedrock	103.425	41-51'	35'	3/14/2008	26.47	76.96	-	-	-
					6/23/2008	27.86	75.57	-	-	-
					9/22/2008	27.87	75.56	-	-	-
					12/4/2008	27.56	75.87	-	-	-
					3/25/2009	27.70	75.73	-	-	-
					6/29/2009	27.31	76.12	-	-	-
					9/4/2009	27.67	75.76	-	-	-
					12/29/2009	27.10	76.33	-	-	-
					3/9/2010	27.37	76.06	-	-	-
					6/11/2010	27.85	75.58	-	-	-
					9/1/2010	27.82	75.61	-	-	-
					12/7/2010	27.51	75.92	-	-	-
					3/8/2011	26.25	77.18	-	-	-
					9/13/2011	26.73	76.70	-	-	-
					2/29/2012	28.00	75.43	-	-	-
					5/25/2012	27.71	75.72	-	-	-

TABLE 1
Monitoring Well Elevation and Gauging Data

Former Torrington Company
Fafnir Bearing Plant
263 Myrtle Street
(formerly 37 Booth Street)
New Britain, CT

Monitoring Well	Well Construction	Casing Elevation (PVC)	Well Screen	Depth to Bedrock	Gauging Date	Depth to Water	Groundwater Elevation	Depth to LNAPL	LNAPL Thickness	Corrected Depth to Water
RMW-3	Overburden/Bedrock	121.07	4-19'	16'	3/14/2008	10.14	110.93	-	-	-
					6/23/2008	NM	NM	-	-	-
					9/22/2008	12.26	108.81	-	-	-
					12/4/2008	11.66	109.41	-	-	-
					3/25/2009	16.12	104.95	-	-	-
					6/29/2009	11.46	109.61	-	-	-
					9/4/2009	9.39	111.68	-	-	-
					12/29/2009	9.21	111.86	-	-	-
					3/9/2010	8.80	112.27	-	-	-
					6/11/2010	9.49	111.58	-	-	-
					9/1/2010	9.30	111.77	-	-	-
					12/7/2010	9.16	111.91	-	-	-
					3/8/2011	7.87	113.20	-	-	-
					9/13/2011	8.85	112.22	-	-	-
					2/29/2012	9.56	111.51	-	-	-
					5/25/2012	9.68	111.39	-	-	-
***RMW-15**	Overburden/Bedrock	87.42	5-25'	8'	3/14/2008	5.01	82.41	-	-	-
					6/23/2008	11.30	76.12	-	-	-
					9/22/2008	10.91	76.51	-	-	-
					12/4/2008	8.08	79.34	-	-	-
					3/25/2009	10.82	76.60	-	-	-
					6/29/2009	7.89	79.53	-	-	-
					9/4/2009	10.70	76.72	-	-	-
					12/29/2009	5.60	81.82	-	-	-
					3/9/2010	8.44	78.98	-	-	-
					6/11/2010	10.48	76.94	-	-	-
					9/1/2010	10.97	76.45	-	-	-
					12/7/2010	8.71	78.71	-	-	-
					3/8/2011	4.25	83.17	-	-	-
					9/13/2011	7.25	80.17	-	-	-
					2/29/2012	11.13	76.29	-	-	-
					5/25/2012	10.75	76.67	-	-	-
***RMW-17**	Overburden/Bedrock	87.82	5-25'	9'	3/14/2008	11.73	76.09	-	-	-
					6/23/2008	NM	NM	-	-	-
					9/22/2008	14.26	73.56	-	-	-
					12/4/2008	13.82	74.00	-	-	-
					3/25/2009	14.22	73.60	-	-	-
					6/29/2009	13.48	74.34	-	-	-
					9/4/2009	14.13	73.69	-	-	-
					12/29/2009	11.97	75.85	-	-	-
					3/9/2010	13.45	74.37	-	-	-
					6/11/2010	14.09	73.73	-	-	-
					9/1/2010	14.17	73.65	-	-	-
					12/7/2010	13.67	74.15	-	-	-
					3/8/2011	8.47	79.35	-	-	-
					9/13/2011	12.10	75.72	-	-	-
					2/29/2012	14.73	73.09	-	-	-
					5/25/2012	14.36	73.46	-	-	-
RMW-19	Bedrock	121.24	11-26'	12'	4/25/2002	16.50	104.74	-	-	-
					8/1/2002	17.84	103.40	-	-	-
					7/22/2003	16.49	104.75	-	-	-
					3/14/2008	15.73	105.51	-	-	-
					6/23/2008	NM	NM	-	-	-
					9/22/2008	15.51	105.73	-	-	-
					12/4/2008	16.00	105.24	-	-	-
					3/25/2009	11.54	109.70	-	-	-
					6/29/2009	15.99	105.25	-	-	-
					9/4/2009	17.03	104.21	-	-	-
					12/29/2009	15.62	105.62	-	-	-
					3/9/2010	15.17	106.07	-	-	-
					6/11/2010	18.13	103.11	-	-	-
					9/1/2010	20.61	100.63	-	-	-
					12/7/2010	16.72	104.52	-	-	-
					3/8/2011	13.42	107.82	-	-	-
					9/13/2011	15.63	105.61	-	-	-
					2/29/2012	18.39	102.85	-	-	-
					5/25/2012	17.43	103.81	-	-	-

Notes:

All measurements are in feet
MW-1 through MW-8 were installed in January/February 2008
RMW wells were installed prior to 2007/2008 site redevelopment
LNAPL = Light Non-Aqueous Phase Liquid
NM = Not measured
* = Off-Site Well on Tenergy Property
PVC = Polyvinyl Chloride
Corrected Depth to Water calculated:
CDTW = DTW - APT(specific gravity)
- APT = Apparent LNAPL thickness
- Specific gravity estimated to be 0.85

TABLE 2
Groundwater Analytical Results

Former Torrington Company
Fafnir Bearing Plant
263 Myrtle Street
(formerly 37 Booth Street)
New Britain, CT

Sample ID	Sample Date	Metals				VOCs																			Other
		Arsenic	Dissolved Arsenic (10 micron filter/0.45 micron filter)	Lead	Cadmium	1,1,1-Trichloroethane	1,1,2-Trichlorotrifluoroethane (freon 113)	1,1-Dichloroethane	1,1-Dichloroethylene	1,2-Dichloroethane	Benzene	Chloroethane	Chloroform	cis-1,2-Dichloroethylene	Dichlorodifluoromethane (Freon 12)	Isopropylbenzene	Naphthalene	n-Butylbenzene	n-Propylbenzene	sec-Butylbenzene	tert-Butylbenzene	Tetrachloroethylene	Trichloroethylene	Trichlorofluoromethane (Freon 11)	Vinyl chloride	ETPH
Units		mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	mg/l
SWPC		0.004	0.004	0.013	0.006	62000	NE	NE	96	96	710	NE	14100	NE	NE	NE	NE	NE	NE	NE	NE	88	2340	NE	15750	NE
ASWPC		0.014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2003 Proposed I/C VC		NE	NE	NE	NE	16000	NE	41000	920	68	310	29000	62	11000	NE	6800	NE	21000	NE	20000	NE	810	67	4200	52	NE
2003 Proposed Res VC		NE	NE	NE	NE	6500	NE	3000	190	6.5	130	12000	26	830	93	2800	NE	1500	NE	1500	NE	340	27	1300	1.6	NE
MW-1	3/14/2008	ND<0.0040	NA	ND<0.0075	NA	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1	ND<2	14.9	1.1	9.4	28.0	12.1	2.9	ND<1	ND<1	ND<1	ND<1	2
	6/24/2008	ND<0.0040	NA	ND<0.0075	NA	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1	ND<2	11.1	ND<1	6.9	20.4	9	2	ND<1	ND<1	ND<1	ND<1	0.6
	9/22/2008	ND<0.0040	NA	ND<0.0075	NA	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1	ND<2	10.2	ND<1	7.9	18.6	8.6	1.9	ND<1	ND<1	ND<1	ND<1	2.4
	12/4/2008	ND<0.0040	NA	ND<0.0075	NA	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1	ND<2	6.7	ND<1	6.0	12.1	6.1	3.6	ND<1	ND<1	ND<1	ND<1	0.5
	3/25/2009	ND<0.0010	NA	ND<0.0025	NA	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	0.7	10	ND<5	6.2	15.7	7.1	2.1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.829
	6/30/2009	ND<0.0020	NA	ND<0.0050	NA	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.57	10	ND<7	6.8	18	7.9	1.7	ND<0.5	ND<0.5	ND<0.5	ND<2	0.78
	9/4/2009	ND<0.0020	NA	ND<0.0050	NA	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.4	ND<3	ND<1	2	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	0.74
	12/29/2009	ND<0.0020	NA	ND<0.0050	NA	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	9.8	ND<2	6.7	17	7.3	1.8	ND<1	ND<1	ND<2	ND<2	0.82
	3/9/2010	ND<0.0020	NA	ND<0.0050	NA	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	10	ND<2	7.1	18	7.5	1.9	ND<1	ND<1	ND<2	ND<2	0.75
	6/11/2010	ND<0.0020	NA	ND<0.0050	NA	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	8.6	ND<2	5.7	15	6.2	1.6	ND<1	ND<1	ND<2	ND<2	0.93
	9/1/2010	0.0021	NA	NA	NA	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	7.4	ND<2	5.4	13	5.9	1.6	ND<1	ND<1	ND<2	ND<1	0.91
	12/7/2010	ND<0.0020	NA	NA	NA	ND<0.5	ND<0.5	0.63	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	5.9	2	3.7	8.8	4.6	1.4	ND<1	ND<1	ND<2	ND<1	0.93
	3/8/2011	ND<0.0020	NA	NA	NA	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	12	ND<2	7.9	19	8.6	2.1	ND<1	ND<1	ND<2	ND<1	0.8
	9/13/2011	ND<0.0020	NA	NA	NA	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	8.6	ND<5	5.2	15	6.6	1.5	ND<1	ND<1	ND<2	ND<1	1
MW-2a	3/14/2008	ND<0.0040	NA	ND<0.0075	NA	ND<1	ND<1	ND<1	ND<1	ND<1	1.6	5.9	ND<1	ND<1	ND<2	29.8	ND<1	14.3	47	14.3	3.8	ND<1	ND<1	ND<1	ND<1	3
	6/24/2008	ND<0.0040	NA	ND<0.0075	NA	ND<1	ND<1	ND<1	ND<1	ND<1	1.3	5.2	ND<1	ND<1	ND<2	32.8	ND<1	13.9	51.4	16.3	4	ND<1	ND<1	ND<1	ND<1	0.7
	9/22/2008	ND<0.0040	NA	ND<0.0075	NA	ND<1	ND<1	ND<1	ND<1	ND<1	1.1	ND<2	ND<1	ND<1	ND<2	29	ND<1	13.4	45.6	14.1	1.8	ND<1	ND<1	ND<1	ND<1	2.6
	12/4/2008	ND<0.0040	NA	ND<0.0075	NA	ND<1	ND<1	ND<1	ND<1	ND<1	1.2	6.8	ND<1	ND<1	ND<2	28.7	ND<1	12	37.6	11.8	4.8	ND<1	ND<1	ND<1	ND<1	1.3
	3/25/2009	ND<0.0010	NA	ND<0.0025	NA	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.2	5.1	ND<0.5	ND<0.5	2	34.6	ND<5	14	45.4	15.2	4.3	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.37
	6/30/2009	ND<0.0020	NA	ND<0.0050	NA	ND<0.5	ND<0.5	0.53	ND<0.5	ND<0.5	1.1	5.3	ND<0.5	ND<0.5	ND<0.5	29	ND<7	14	44	14	3.6	ND<0.5	ND<0.5	ND<0.5	ND<2	1.4
	9/4/2009	ND<0.0020	NA	ND<0.0050	NA	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	5.3	ND<0.5	ND<0.5	2.6	30	ND<3	14	44	15	ND<1	ND<1	ND<1	ND<2	ND<2	1.1
	12/29/2009	ND<0.0020	NA	ND<0.0050	NA	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.85	3.8	ND<0.5	ND<0.5	ND<0.5	26	ND<2	11	38	12	3.4	ND<1	ND<1	ND<2	ND<2	1.2
	3/9/2010	ND<0.0020	NA	ND<0.0050	NA	ND<0.5	ND<0.5	0.52	ND<0.5	ND<0.5	0.89	6.4	ND<0.5	ND<0.5	ND<0.5	27	ND<2	13	39	13	3.9	ND<1	ND<1	ND<2	ND<2	0.93
	6/11/2010	ND<0.0020	NA	ND<0.0050	NA	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.74	3.4	ND<0.5	ND<0.5	ND<0.5	25	ND<2	11	36	12	3.8	ND<1	ND<1	ND<2	ND<2	1.3
	9/1/2010	ND<0.0020	NA	NA	NA	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.61	4.6	ND<0.5	ND<0.5	ND<0.5	27	ND<2	13	40	13	3.8	ND<1	ND<1	ND<2	ND<1	1.3
	12/7/2010	NA	NA	NA	NA	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.64	4.6	ND<0.5	ND<0.5	ND<0.5	22	2	8.6	30	9.3	2.7	ND<1	ND<1	ND<2	ND<1	1.4
	3/8/2011	NA	NA	NA	NA	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.66	ND<0.5	ND<0.5	ND<0.5	1	20	ND<2	7	26	7.9	2.9	ND<1	ND<1	ND<2	ND<1	0.96
	9/13/2011	NA	NA	NA	NA	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.53	ND<0.5	ND<0.5	ND<0.5	ND<0.5	18	ND<5	7.6	26	8.6	2.6	ND<1	ND<1	ND<2	ND<1	1.1
MW-2b	3/14/2008	ND<0.0040	NA	ND<0.0075	NA	ND<1	ND<1	ND<1	ND<1	ND<1	1.2	5	ND<1	ND<1	ND<2	22.4	ND<1	13.7	30.3	13.6	4.4	ND<1	ND<1	ND<1	ND<1	2.7
	6/24/2008	ND<0.0040	NA	ND<0.0075	NA	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	5.4	ND<1	ND<1	ND<2	24.3	ND<1	13.7	32.1	16.6	4.7	ND<1	ND<1	ND<1	ND<1	ND<0.1
	9/22/2008	ND<0.0040	NA	ND<0.0075	NA	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1	ND<2	19.2	ND<1	13.1	25.6	13.3	4	ND<1	ND<1	ND<1	ND<1	2
	12/4/2008	ND<0.0040	NA	ND<0.0075	NA	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	7.7	ND<1	ND<1	ND<2	17	ND<1	12.4	21.1	11.4	5.1	ND<1	ND<1	ND<1	ND<1	0.9
	3/25/2009	ND<0.0010	NA	ND<0.0025	NA	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.7	ND<1	ND<0.5	ND<0.5	1.6	25.9	ND<5	15.6	29.9	16.1	5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.14
	6/30/2009	ND<0.0020	NA	ND<0.0050	NA	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	4.5	ND<0.5	ND<0.5	ND<0.5	16	ND<7	10	21	10	3	ND<0.5	ND<0.5	ND<0.5	ND<2	1.1
	9/4/2009	ND<0.0020	NA	ND<0.0050	NA	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	4.4	ND<0.5	ND<0.5	2.2	21	ND<3	16	28	16	ND<1	ND<1	ND<1	ND<2	ND<2	1
	12/29/2009	ND<0.0020	NA	ND<0.0050	NA	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	4.4	ND<0.5	ND<0.5	ND<0.5	22	ND<2	16	30	15	4.8	ND<1	ND<1	ND<2	ND<2	1
	3/9/2010	ND<0.0020	NA	ND<0.0050	NA	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	4.6	ND<0.5	ND<0.5	ND<0.5	19	ND<2	14	25	13	4.3	ND<1	ND<1	ND<2	ND<2	0.91
	6/11/2010	ND<0.0020	NA	ND<0.0050	NA	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.3	ND<0.5	ND<0.5	ND<0.5	20	ND<2	14	27	14	4.2	ND<1	ND<1	ND<2	ND<2	1.2
	9/1/2010	ND<0.0020	NA	NA	NA	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	4.1	ND<0.5	ND<0.5	ND<0.5	20	ND<2	15	27	14	4.5	ND<1	ND<1	ND<2	ND<1	1.1
	12/7/2010	NA	NA	NA	NA	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	5.7	ND<0.5	ND<0.5	ND<0.5	19	2.1	14	26	14	4.4	ND<1	ND<1	ND<2	ND<1	1.1
	3/8/2011	NA	NA	NA	NA	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.71	20	ND<2	15	25	15	4.5	ND<1	ND<1	ND<2	ND<1	0.98
	9/13/2011	NA	NA	NA	NA	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	14	ND<5	11	19	11	3.5	ND<1	ND<1	ND<2	ND<1	0.99
MW-3	3/14/2008	**0.0194**	NA	0.0094	NA	ND<1	ND<1	2.8	ND<1	ND<1	ND<1	3.6	ND<1	ND<1	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	2.6	ND<1	ND<1	ND<1	ND<1	5.2
	6/24/2008	ND<0.0040	NA	ND<0.0075	NA	ND<1	ND<1	2.4	ND<1	ND<1	ND<1	5.8	ND<1	ND<1	ND<2	ND<1	ND<1	ND<1	ND<1	1.3	2.2	ND<1	ND<1	ND<1	ND<1	ND<0.1
	9/22/2008	**0.0116**	NA	ND<0.0075	NA	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	1.6	ND<1	ND<1	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	1.4	ND<1	ND<1	ND<1	ND<1	0.8
	12/5/2008	**0.0136**	NA	ND<0.0075	NA	ND<1	ND<1	1.9	ND<1	ND<1	ND<1	6	ND<1	ND<1	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	3.4	ND<1	ND<1	ND<1	ND<1	1.5
	3/25/2009	0.00979	NA	ND<0.0025	NA	ND<1	ND<0.5	1.4	ND<0.5	ND<0.5	ND<0.5	4.4	ND<0.5	ND<0.5	1	ND<1	ND<5	ND<1	ND<0.5	ND<0.5	1.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.574
	6/29/2009	**0.011**	NA	ND<0.0050	NA	ND<0.5	ND<0.5	2.7	ND<0.5	ND<0.5	ND<0.5	6.8	ND<0.5	ND<0.5	1	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	1.4	ND<0.5	ND<0.5	ND<0.5	ND<2	0.65
	9/4/2009	**0.011**	NA	ND<0.0050	NA	ND<0.5	ND<0.5	2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.59	1.1	ND<0.5	ND<3	ND<1	ND<1	ND<1	1.6	ND<1	ND<1	ND<2	ND<2	0.38
	12/29/2009	0.0088	NA	ND<0.0050	NA	ND<0.5	ND<0.5	2	ND<0.5	ND<0.5	ND<0.5	4.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<1	ND<1	ND<1	1.5	ND<1	ND<1	ND<2	ND<2	0.67
	3/9/2010	**0.013**	**0.012/0.012**	ND<0.0050	NA	ND<0.5	ND<0.5	2.2	ND<0.5	ND<0.5	ND<0.5	5	ND<0.5	0.73	ND<0.5	ND<0.5	ND<2	ND<1	ND<1	ND<1	1.4	ND<1	ND<1	ND<2	ND<2	0.46
	6/11/2010	ND<0.0020	0.0022/0.002	ND<0.0050	NA	ND<0.5	ND<0.5	2.3	ND<0.5	ND<0.5	ND<0.5	1.5	ND<0.5	ND<0.5	2.6	0.52	ND<2	ND<1	ND<1	ND<1	1.6	ND<1	ND<1	ND<2	ND<2	0.91
	9/1/2010	ND<0.0020	NA	NA	NA	ND<0.5	ND<0.5	2	ND<0.5	ND<0.5	ND<0.5	2.7	ND<0.5	ND<0.5	ND<0.5	0.76	ND<2	ND<1	ND<1	1.5	2.2	ND<1	ND<1	ND<2	ND<1	1.2
	12/7/2010	0.0046	NA	NA	NA	ND<0.5	ND<0.5	2.1	ND<0.5	ND<0.5	ND<0.5	3	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2	ND<1	ND<1	ND<1	2	ND<1	ND<1	ND<2	ND<1	0.88
	3/8/2011	0.0094	NA	NA	NA	ND<0.5	ND<0.5	2.2	ND<0.5	ND<0.5	ND<0.5	2.2	ND<0.5	ND<0.5	0.94	ND<0.5	ND<2	ND<1	ND<1	ND<1	1.4	ND<1	ND<1	ND<2	ND<1	0.89
	9/13/2011	**0.013**	NA	NA	NA	ND<1	ND<0.5	1.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	7.5	ND<1	ND<1	ND<1	1.4	ND<1	ND<1	ND<2	ND<1	0.63
MW-3 DUP	9/13/2011	**0.012**	NA	NA	NA	ND<1	ND<0.5	1.2	ND<0.5	ND<0.5	ND<0.5	2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	7.4	ND<1	ND<1	ND<1	1.5	ND<1	ND<1	ND<2	ND<1	0.58

TABLE 2
Groundwater Analytical Results

Former Torrington Company
Fafnir Bearing Plant
263 Myrtle Street
(formerly 37 Booth Street)
New Britain, CT

Sample ID	Sample Date	Metals				VOCs																			Other
		Arsenic	Dissolved Arsenic (10 micron filter/0.45 micron filter)	Lead	Cadmium	1,1,1-Trichloroethane	1,1,2-Trichlorotrifluoroethane (freon 113)	1,1-Dichloroethane	1,1-Dichloroethylene	1,2-Dichloroethane	Benzene	Chloroethane	Chloroform	cis-1,2-Dichloroethylene	Dichlorodifluoromethane (Freon 12)	Isopropylbenzene	Naphthalene	n-Butylbenzene	n-Propylbenzene	sec-Butylbenzene	tert-Butylbenzene	Tetrachloroethylene	Trichloroethylene	Trichlorofluoromethane (Freon 11)	Vinyl chloride	ETPH
Units		mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	mg/l
SWPC		0.004	0.004	0.013	0.006	62000	NE	NE	96	96	710	NE	14100	NE	NE	NE	NE	NE	NE	NE	NE	88	2340	NE	15750	NE
ASWPC		0.014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2003 Proposed I/C VC		NE	NE	NE	NE	16000	NE	41000	920	68	310	29000	62	11000	NE	6800	NE	21000	NE	20000	NE	810	67	4200	52	NE
2003 Proposed Res VC		NE	NE	NE	NE	6500	NE	3000	190	6.5	130	12000	26	830	93	2800	NE	1500	NE	1500	NE	340	27	1300	1.6	NE
MW-4a	3/14/2008	ND<0.0040	NA	ND<0.0075	ND<0.0025	21.4	ND<1	2.4	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<0.1
	6/23/2008	ND<0.0040	NA	ND<0.0075	ND<0.0025	600	ND<5	244	21.2	ND<5	ND<5	17.7	ND<5	87.4	ND<10	5.2	ND<5	ND<5	6.8	ND<5	ND<5	5	ND<5	ND<5	**192**	0.7
	7/18/2008*	NA	NA	NA	NA	507	ND<10	201	18.1	ND<10	ND<10	ND<10	ND<10	54.2	ND<20	ND<10	ND<10	ND<10	18	ND<10	ND<10	ND<10	ND<10	ND<10	**202**	NA
	9/22/2008	ND<0.0040	NA	ND<0.0075	ND<0.0025	497	ND<5	152	13.2	ND<5	ND<5	ND<15	ND<5	58	ND<10	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	**197**	1.5
	12/4/2008	ND<0.0040	NA	ND<0.0075	ND<0.0025	119	2	64.8	3.2	ND<1	ND<1	6.4	ND<1	15.5	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	**86.2**	ND<0.1
	3/25/2009	0.00104	NA	ND<0.0025	ND<0.00125	366	16.6	186	4.9	0.6	ND<0.5	21.4	ND<0.5	25.9	ND<0.5	2.9	ND<5	ND<1	3.4	0.8	ND<0.5	3.9	1.9	ND<0.5	**205**	0.774
	6/29/2009	ND<0.0020	NA	ND<0.0050	ND<0.0025	11	ND<0.5	3.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.4	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<3	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	0.26
	9/4/2009	ND<0.0020	NA	ND<0.0050	ND<0.0025	7.8	ND<0.5	2.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.3	ND<0.5	ND<3	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	0.19
	12/29/2009	ND<0.0020	NA	ND<0.0050	ND<0.0025	7.1	ND<0.5	3.1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	0.32
	3/9/2010	ND<0.0020	NA	ND<0.0050	ND<0.0025	7.3	ND<0.5	3.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	0.28
	6/11/2010	ND<0.0020	NA	ND<0.0050	ND<0.0025	5.9	0.55	13	ND<0.5	ND<0.5	ND<0.5	1.5	ND<0.5	ND<0.5	1.9	ND<0.5	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	**7.7**	0.31
	9/1/2010	ND<0.0020	NA	NA	NA	6.2	ND<0.5	2.3	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.66	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1	0.22
	12/7/2010	NA	NA	NA	NA	7	ND<0.5	3.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1	0.3
	3/8/2011	NA	NA	NA	NA	6.6	ND<0.5	3.9	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	4.9	ND<0.5	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1	0.45
	9/13/2011	NA	NA	NA	NA	5.6	ND<0.5	4.8	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1	0.42
	1/3/2012	NA	NA	NA	NA	2.8	ND<0.5	5.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1	NA
	2/29/2012	NA	NA	NA	NA	2.8	ND<0.5	3.8	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1	NA
	5/25/2012	NA	NA	NA	NA	44	3.5	140	ND<0.5	ND<0.5	ND<0.5	20	ND<0.5	1.6	ND<0.5	ND<0.5	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	**39**	NA
	6/7/2012	NA	NA	NA	NA	34	4.8	130	ND<1	ND<1	ND<1	18	ND<1	1	ND<1	ND<1	ND<4	ND<2	ND<2	ND<2	ND<2	ND<2	ND<2	ND<4	**27**	NA
	8/10/2012	NA	NA	NA	NA	3.7	ND<0.5	3.2	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1	NA
	12/5/2012	NA	NA	NA	NA	16	1.9	75	ND<0.5	ND<0.5	ND<0.5	18	ND<0.5	0.82	4.6	ND<0.5	ND<5	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	**18**	NA
	3/18/2013	NA	NA	NA	NA	1.8	ND<1.0	3.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1.0	NA
	6/4/2013	NA	NA	NA	NA	3.4	ND<1.0	4.9	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	6.9	ND<0.5	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1.0	NA
	9/4/2013	NA	NA	NA	NA	34	19	300	ND<0.5	0.73	ND<0.5	130	ND<0.5	3.2	ND<0.5	1.4	3.8	ND<1	ND<1	ND<1	ND<1	3.9	3.9	ND<2	**12**	NA
MW-4b	3/14/2008	0.007	NA	ND<0.0075	ND<0.0025	131	4.8	28.7	16.1	ND<1	ND<1	ND<2	1.5	40.3	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	3.1	1.4	ND<1	**9**	ND<0.1
	6/23/2008	ND<0.0040	NA	ND<0.0075	ND<0.0025	171	ND<1	41.8	18.7	ND<1	ND<1	ND<2	1.2	41	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	4.4	2	ND<1	**13**	ND<0.1
	9/22/2008	0.0058	NA	ND<0.0075	ND<0.0025	250	9.2	65.5	16.3	ND<1	ND<1	ND<2	1.4	49.8	ND<10	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	5.6	ND<1	ND<1	**3.1**	ND<0.1
	12/4/2008	0.0046	NA	ND<0.0075	ND<0.0025	317	10.6	91.6	19	ND<5	ND<5	ND<5	ND<5	63	ND<10	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	7.1	ND<5	ND<5	**92.6**	ND<0.1
	3/25/2009	0.00222	NA	ND<0.0025	ND<0.00125	222	11	80.6	15.7	ND<0.5	ND<0.5	4.6	0.9	53.1	ND<0.5	ND<1	ND<5	ND<1	ND<0.5	0.7	ND<0.5	6.7	2.6	ND<0.5	**68.6**	0.139
	6/29/2009	ND<0.0020	NA	ND<0.0050	ND<0.0025	280	16	94	22	ND<1	ND<1	8.4	1.3	61	ND<0.5	ND<1	ND<2	ND<1	ND<1	ND<1	ND<1	9.4	3.3	ND<1	**68**	0.21
	9/4/2009	0.0026	NA	ND<0.0050	ND<0.0025	250	13	120	17	ND<5	ND<5	11	16	59	ND<5	ND<5	ND<30	ND<10	ND<10	ND<10	ND<10	8.4	2.7	ND<20	**79**	0.083
	12/29/2009	ND<0.0020	NA	ND<0.0050	ND<0.0025	230	12	92	16	**92**	ND<5	5.3	ND<5	41	ND<5	ND<5	ND<20	ND<10	ND<10	ND<10	NE<10	ND<10	ND<10	ND<20	**78**	0.23
	3/9/2010	0.003	NA	ND<0.0050	ND<0.0025	190	10	86	17	ND<0.5	ND<0.5	2.8	1.1	36	ND<0.5	ND<0.5	ND<2	ND<1	ND<1	ND<1	ND<1	6.9	2.6	ND<2	**56**	ND<0.075
	6/11/2010	0.0026	0.003/0.0032	ND<0.0050	ND<0.0025	250	12	120	11	ND<0.5	ND<0.5	5.9	20	31	ND<0.5	ND<0.5	ND<2	ND<1	ND<1	ND<1	ND<1	6.6	2.2	ND<2	**66**	0.15
	9/1/2010	0.0027	NA	NA	NA	200	10	110	ND<2.5	ND<2.5	ND<2.5	7.6	ND<2.5	23	ND<2.5	ND<2.5	ND<10	ND<5	ND<5	ND<5	ND<5	5.7	ND<5	ND<10	**83**	0.17
	12/7/2010	NA	NA	NA	NA	130	7.7	95	12	ND<1	ND<1	3.6	1.4	21	ND<10	ND<1	ND<4	ND<2	ND<2	ND<2	ND<2	5	2.3	ND<4	**45**	0.13
	3/8/2011	NA	NA	NA	NA	110	9.2	94	15	ND<0.5	ND<0.5	3.6	1.8	22	ND<0.5	ND<0.5	ND<2	ND<1	ND<1	ND<1	ND<1	7.2	2.7	ND<2	**28**	0.093
	9/13/2011	NA	NA	NA	NA	96	8.4	100	7.8	ND<0.5	ND<0.5	6.8	1.1	12	ND<0.5	ND<0.5	ND<5	ND<1	ND<1	ND<1	ND<1	6.3	2	ND<2	**30**	0.18
MW-5	3/14/2008	ND<0.0040	NA	ND<0.0075	ND<0.0025	10.1	1.7	8.1	ND<1	ND<1	ND<1	ND<2	ND<1	2.8	ND<2	ND<1	1.1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<0.1
	6/23/2008	ND<0.0040	NA	ND<0.0075	ND<0.0025	6.2	ND<1	11.5	ND<1	ND<1	ND<1	ND<2	ND<1	1.4	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<0.1
	9/22/2008	ND<0.0040	NA	ND<0.0075	ND<0.0025	2.9	ND<1	9.3	ND<1	ND<1	ND<1	ND<2	ND<1	1.8	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	1.1
	12/5/2008	ND<0.0040	NA	ND<0.0075	ND<0.0025	2.5	ND<1	12	ND<1	ND<1	ND<1	ND<2	ND<1	2.1	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<0.1
	3/25/2009	ND<0.0010	NA	ND<0.0025	ND<0.00125	3.9	ND<0.5	11.6	ND<0.5	ND<0.5	ND<0.5	1.1	ND<0.5	1.6	ND<0.5	ND<0.5	ND<5	ND<1	ND<0.5	ND<0.5	ND<0.5	0.8	ND<0.5	ND<0.5	0.6	0.336
	6/30/2009	ND<0.0020	NA	ND<0.0050	ND<0.0025	5.1	1.2	16	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.9	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.1	ND<0.5	ND<0.5	ND<2	0.33
	9/4/2009	0.002	NA	ND<0.0050	ND<0.0025	4.5	ND<0.5	17	ND<0.5	ND<0.5	ND<0.5	0.78	ND<0.5	2.5	ND<0.5	ND<0.5	ND<3	ND<1	ND<1	ND<1	ND<1	1.3	ND<1	ND<2	ND<2	0.21
	12/29/2009	ND<0.0020	NA	ND<0.0050	ND<0.0025	1.2	ND<0.5	12	ND<0.5	ND<0.5	ND<0.5	1.1	ND<0.5	1.8	ND<0.5	ND<0.5	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	0.38
	3/9/2010	ND<0.0020	NA	ND<0.0050	ND<0.0025	2.7	ND<0.5	15	ND<0.5	ND<0.5	ND<0.5	0.88	ND<0.5	2.3	ND<0.5	ND<0.5	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	0.23
	6/11/2010	ND<0.0020	NA	ND<0.0050	ND<0.0025	2.9	ND<0.5	14	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.7	ND<0.5	ND<0.5	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	0.34
	9/1/2010	ND<0.0020	NA	NA	NA	1.5	ND<0.5	12	ND<0.5	ND<0.5	ND<0.5	0.54	ND<0.5	1.9	ND<0.5	ND<0.5	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1	0.33
	12/7/2010	NA	NA	NA	NA	1.4	ND<0.5	10	ND<0.5	ND<0.5	ND<0.5	0.96	ND<0.5	1.6	ND<0.5	ND<0.5	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1	0.33
	3/8/2011	NA	NA	NA	NA	1.9	ND<0.5	11	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.2	ND<0.5	ND<0.5	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1	0.67
	9/13/2011	NA	NA	NA	NA	ND<1	ND<0.5	12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2	ND<0.5	ND<0.5	ND<5	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1	0.46

TABLE 2
Groundwater Analytical Results

Former Torrington Company
Fafnir Bearing Plant
263 Myrtle Street
(formerly 37 Booth Street)
New Britain, CT

Sample ID	Sample Date	Metals				VOCs																				Other
		Arsenic	Dissolved Arsenic (10 micron filter/0.45 micron filter)	Lead	Cadmium	1,1,1-Trichloroethane	1,1,2-Trichlorotrifluoroethane (freon 113)	1,1-Dichloroethane	1,1-Dichloroethylene	1,2-Dichloroethane	Benzene	Chloroethane	Chloroform	cis-1,2-Dichloroethylene	Dichlorodifluoromethane (Freon 12)	Isopropylbenzene	Naphthalene	n-Butylbenzene	n-Propylbenzene	sec-Butylbenzene	tert-Butylbenzene	Tetrachloroethylene	Trichloroethylene	Trichlorofluoromethane (Freon 11)	Vinyl chloride	ETPH
Units		mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	mg/l
SWPC		0.004	0.004	0.013	0.006	62000	NE	NE	96	96	710	NE	14100	NE	NE	NE	NE	NE	NE	NE	NE	88	2340	NE	15750	NE
ASWPC		0.014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2003 Proposed I/C VC		NE	NE	NE	NE	16000	NE	41000	920	68	310	29000	62	11000	NE	6800	NE	21000	NE	20000	NE	810	67	4200	52	NE
2003 Proposed Res VC		NE	NE	NE	NE	6500	NE	3000	190	6.5	130	12000	26	830	93	2800	NE	1500	NE	1500	NE	340	27	1300	1.6	NE
MW-6	3/14/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/23/2008	ND<0.0040	NA	ND<0.0075	NA	19.3	ND<1	29.7	9.7	1.5	ND<1	2.2	4	3.5	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	1.4	1.2	ND<1	ND<1	ND<0.1
	9/22/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/4/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/25/2009	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/29/2009	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/4/2009	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/29/2009	0.0027	NA	ND<0.0050	NA	10	2.7	61	9.6	0.87	ND<0.5	5.4	1.1	8.6	ND<0.5	0.64	ND<2	ND<1	ND<1	ND<1	ND<1	1	1.5	ND<2	ND<2	1.4
	3/10/2010	0.0023	NA	ND<0.0050	NA	19	2.5	32	11	1.2	ND<0.5	4.1	2.7	5.9	ND<0.5	ND<0.5	ND<2	ND<1	ND<1	ND<1	ND<1	1.5	1.2	ND<2	ND<2	1.4
	6/11/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/1/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/7/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/8/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-7	3/14/2008	ND<0.0040	NA	ND<0.0075	NA	41.7	4.4	17.8	5.2	ND<1	ND<1	ND<2	ND<1	13.9	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	18.5	5.1	ND<1	**20.7**	ND<0.1
	6/23/2008	0.0088	NA	ND<0.0075	NA	34.9	ND<1	14.8	2.8	ND<1	ND<1	ND<2	ND<1	9	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	17.2	4.1	ND<1	**10.6**	ND<0.1
	9/22/2008	ND<0.0040	NA	ND<0.0075	NA	34.7	3	13.6	2.1	ND<1	ND<1	ND<2	ND<1	7.9	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	14.4	4.5	ND<1	**11.7**	0.9
	12/5/2008	ND<0.0040	NA	ND<0.0075	NA	18	2.2	14.1	2.1	ND<1	ND<1	ND<2	ND<1	6.2	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	14.4	4.0	ND<1	**14.3**	ND<0.1
	3/25/2009	ND<0.0010	NA	ND<0.0025	NA	13.1	2	9.9	1.1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.7	ND<0.5	ND<1	ND<5	ND<1	ND<0.5	ND<0.5	ND<0.5	14.1	3.6	ND<0.5	**9.8**	0.215
	6/30/2009	ND<0.0020	NA	ND<0.0050	NA	28	4.3	17	2.5	ND<1	ND<1	ND<1	ND<1	6.1	ND<0.5	ND<1	ND<2	ND<1	ND<1	ND<1	ND<1	18	4.9	ND<1	**16**	0.45
	9/4/2009	0.0021	NA	ND<0.0050	NA	22	2.8	15	1.8	ND<0.5	ND<0.5	ND<0.5	ND<0.5	4.9	0.67	ND<0.5	ND<3	ND<1	ND<1	ND<1	ND<1	13	4.2	ND<2	**9.7**	0.17
	12/29/2009	ND<0.0020	NA	ND<0.0050	NA	12	ND<0.5	14	1.1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	4	ND<0.5	ND<0.5	ND<2	ND<1	ND<1	ND<1	ND<1	13	4	ND<2	**9**	0.32
	3/10/2010	ND<0.0020	NA	ND<0.0050	NA	9.1	2	19	1.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5	4.6	ND<0.5	ND<0.5	ND<2	ND<1	ND<1	ND<1	ND<1	12	3.7	ND<2	**15**	0.21
	6/11/2010	ND<0.0020	NA	ND<0.0050	NA	12	2.2	13	0.96	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.9	0.68	ND<0.5	ND<2	ND<1	ND<1	ND<1	ND<1	14	4	ND<2	**7.4**	0.23
	9/1/2010	ND<0.0020	NA	NA	NA	32	3	14	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1	3.4	ND<0.5	ND<0.5	ND<2	ND<1	ND<1	ND<1	ND<1	13	3.6	ND<2	**7.5**	0.22
	12/7/2010	NA	NA	NA	NA	17	2.5	16	1.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.9	ND<0.5	ND<0.5	ND<2	ND<1	ND<1	ND<1	ND<1	14	4.3	ND<2	**12**	0.22
	3/8/2011	NA	NA	NA	NA	36	ND<5	35	ND<5	ND<5	ND<5	ND<5	ND<5	5.4	ND<5	ND<5	ND<20	ND<10	ND<10	ND<10	ND<10	13	ND<20	ND<20	**12**	1.8
	9/13/2011	NA	NA	NA	NA	41	2.8	29	1.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.7	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<1	ND<1	ND<1	12	5.1	ND<2	**6**	0.51
MW-7 DUP	3/14/2008	ND<0.0040	NA	ND<0.0075	NA	37.4	4.3	17.1	4.9	ND<1	ND<1	ND<2	ND<1	13.6	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	18.3	4.8	ND<1	**20.7**	ND<0.1
	6/23/2008	ND<0.0040	NA	ND<0.0075	NA	33.9	ND<1	14.7	2.8	ND<1	ND<1	ND<2	ND<1	9.1	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	17.5	4.0	ND<1	**11.0**	ND<0.1
	9/22/2008	ND<0.0040	NA	ND<0.0075	NA	38.1	3.3	13.8	2	ND<1	ND<1	ND<2	ND<1	7.7	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	14.4	4.5	ND<1	**12.2**	0.9
	12/5/2008	ND<0.0040	NA	ND<0.0075	NA	19	2.2	14.1	2	ND<1	ND<1	ND<2	ND<1	6.6	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	14.8	4.3	ND<1	**14.6**	ND<0.1
	3/25/2009	ND<0.0010	NA	ND<0.0025	NA	12.8	2.2	9.8	1.1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.8	ND<0.5	ND<1	ND<5	ND<1	ND<0.5	ND<0.5	ND<0.5	15.2	3.7	ND<0.5	**10.1**	0.253
	6/30/2009	ND<0.0020	NA	ND<0.0050	NA	24	3.1	14	1.9	ND<1	ND<1	ND<1	ND<1	5.6	ND<0.5	ND<1	ND<2	ND<1	ND<1	ND<1	ND<1	14	3.6	ND<1	**11**	0.35
	9/4/2009	ND<0.0020	NA	ND<0.0050	NA	23	3.1	15	1.8	ND<0.5	ND<0.5	ND<0.5	ND<0.5	5.1	0.65	ND<0.5	ND<3	ND<1	ND<1	ND<1	ND<1	14	4.2	ND<2	**9.7**	0.16
	12/29/2009	ND<0.0020	NA	ND<0.0050	NA	12	1.4	14	1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	4.1	ND<0.5	ND<0.5	ND<2	ND<1	ND<1	ND<1	ND<1	14	4	ND<2	**9.5**	0.32
	3/10/2010	ND<0.0020	NA	ND<0.0050	NA	9.1	1.9	18	1.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5	4.6	ND<0.5	ND<0.5	ND<2	ND<1	ND<1	ND<1	ND<1	13	3.8	ND<2	**16**	0.2
	6/11/2010	ND<0.0020	NA	ND<0.0050	NA	15	1.8	12	0.82	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.8	ND<0.5	ND<0.5	ND<2	ND<1	ND<1	ND<1	ND<1	12	3.6	ND<2	**6.1**	0.26
	9/1/2010	ND<0.0020	NA	NA	NA	30	3	14	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1	3.3	ND<0.5	ND<0.5	ND<2	ND<1	ND<1	ND<1	ND<1	13	3.7	ND<2	**7.7**	0.22
	12/7/2010	NA	NA	NA	NA	17	2.5	16	1.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.9	ND<0.5	ND<0.5	ND<2	ND<1	ND<1	ND<1	ND<1	14	4.2	ND<2	**12**	0.23
	3/8/2011	NA	NA	NA	NA	33	1.8	33	1.3	ND<0.5	ND<0.5	ND<0.5	ND<0.5	4.6	ND<0.5	ND<0.5	ND<2	ND<1	ND<1	ND<1	ND<1	12	4.4	ND<2	**12**	1.4
MW-8a	3/14/2008	**0.0171**	NA	**0.0133**	NA	ND<1	ND<1	1.4	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1	ND<2	3.6	1.4	2	1.5	2.9	1.0	ND<1	ND<1	ND<1	ND<1	2.3
	6/23/2008	**0.0104**	NA	ND<0.0075	NA	ND<1	ND<1	1.3	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1	ND<2	1.5	ND<1	ND<1	ND<1	1.1	ND<1	ND<1	ND<1	ND<1	ND<1	0.5
	9/22/2008	**0.0129**	NA	ND<0.0075	NA	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1	ND<2	1.1	ND<1	ND<1	ND<1	1.1	ND<1	ND<1	ND<1	ND<1	ND<1	1.6
	12/4/2008	**0.012**	NA	ND<0.0075	NA	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	0.3
	3/25/2009	**0.0113**	NA	ND<0.0025	NA	ND<1	ND<0.5	0.8	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	ND<1	0.9	0.8	0.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.667
	6/29/2009	0.010	NA	ND<0.0050	NA	ND<0.5	ND<0.5	0.81	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.64	ND<7	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	0.56
	9/4/2009	**0.012**	NA	ND<0.0050	NA	ND<0.5	ND<0.5	0.71	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	0.38
	12/29/2009	**0.011**	NA	ND<0.0050	NA	ND<0.5	ND<0.5	0.69	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	0.39
	3/9/2010	**0.012**	**0.011/0.012**	ND<0.0050	NA	ND<0.5	ND<0.5	0.82	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.56	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	0.38
	6/11/2010	**0.011**	**0.011/0.011**	ND<0.0050	NA	ND<0.5	ND<0.5	0.61	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	0.46
	9/1/2010	**0.010**	NA	NA	NA	ND<0.5	ND<0.5	0.58	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	0.36
	12/7/2010	0.0096	NA	NA	NA	ND<0.5	ND<0.5	0.54	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	0.35
	3/8/2011	**0.011**	NA	NA	NA	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.54	ND<0.5	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1	0.43
	9/13/2011	0.010	NA	NA	NA	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.58	7.9	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1	0.49

TABLE 2
Groundwater Analytical Results

Former Torrington Company
Fafnir Bearing Plant
263 Myrtle Street
(formerly 37 Booth Street)
New Britain, CT

Sample ID	Sample Date	Metals				VOCs																			Other
		Arsenic	Dissolved Arsenic (10 micron filter/0.45 micron filter)	Lead	Cadmium	1,1,1-Trichloroethane	1,1,2-Trichlorotrifluoroethane (freon 113)	1,1-Dichloroethane	1,1-Dichloroethylene	1,2-Dichloroethane	Benzene	Chloroethane	Chloroform	cis-1,2-Dichloroethylene	Dichlorodifluoromethane (Freon 12)	Isopropylbenzene	Naphthalene	n-Butylbenzene	n-Propylbenzene	sec-Butylbenzene	tert-Butylbenzene	Tetrachloroethylene	Trichloroethylene	Trichlorofluoromethane (Freon 11)	Vinyl chloride	ETPH
Units		mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	mg/l
SWPC		0.004	0.004	0.013	0.006	62000	NE	NE	96	96	710	NE	14100	NE	NE	NE	NE	NE	NE	NE	NE	88	2340	NE	15750	NE
ASWPC		0.014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2003 Proposed I/C VC		NE	NE	NE	NE	16000	NE	41000	920	68	310	29000	62	11000	NE	6800	NE	21000	NE	20000	NE	810	67	4200	52	NE
2003 Proposed Res VC		NE	NE	NE	NE	6500	NE	3000	190	6.5	130	12000	26	830	93	2800	NE	1500	NE	1500	NE	340	27	1300	1.6	NE
MW-8b	3/14/2008	0.006	NA	ND<0.0075	NA	ND<1	ND<1	4.5	ND<1	ND<1	ND<1	13.2	ND<1	1	ND<2	2.6	1.2	1.7	ND<1	1.7	1.2	ND<1	ND<1	ND<1	1.3	1.3
	6/23/2008	0.0055	NA	**0.061**	NA	ND<1	ND<1	6.1	ND<1	ND<1	ND<1	ND<2	ND<1	1.9	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<0.1
	9/22/2008	**0.0124**	NA	**0.106**	NA	ND<1	ND<1	7.6	ND<1	ND<1	ND<1	ND<2	ND<1	2.3	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	0.8
	12/4/2008	**0.0194**	NA	**0.211**	NA	ND<1	ND<1	8.4	ND<1	ND<1	ND<1	ND<2	ND<1	2.3	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	1.0	ND<1	ND<1	ND<0.1
	3/25/2009	0.00128	NA	ND<0.0025	NA	ND<1	ND<0.5	7	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.8	ND<0.5	ND<1	ND<5	ND<1	ND<0.5	ND<0.5	0.5	ND<0.5	0.9	ND<0.5	ND<0.5	0.22
	6/29/2009	ND<0.0020	NA	ND<0.0050	NA	ND<0.5	ND<0.5	7	0.51	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.2	ND<0.5	ND<0.5	ND<7	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	0.2
	9/4/2009	0.0023	NA	ND<0.0050	NA	ND<0.5	ND<0.5	8	0.63	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.1	ND<0.5	ND<0.5	ND<3	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	0.14
	12/29/2009	0.0021	NA	ND<0.0050	NA	ND<0.5	ND<0.5	5.8	ND<0.5	ND<0.5	ND<0.5	0.69	ND<0.5	2	ND<0.5	ND<0.5	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	0.18
	3/9/2010	0.0026	NA	ND<0.0050	NA	ND<0.5	ND<0.5	6.8	0.55	ND<0.5	ND<0.5	1.6	ND<0.5	2	ND<0.5	ND<0.5	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	0.16
	6/11/2010	ND<0.0020	0.0043/0.0044	ND<0.0050	NA	ND<0.5	ND<0.5	5.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.8	ND<0.5	ND<0.5	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	0.2
	9/1/2010	ND<0.0020	NA	ND<0.0050	NA	ND<0.5	ND<0.5	6.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.3	ND<0.5	ND<0.5	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1	0.2
	12/7/2010	0.0022	NA	NA	NA	ND<0.5	ND<0.5	4.2	ND<0.5	ND<0.5	ND<0.5	1.2	ND<0.5	1.6	ND<0.5	ND<0.5	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1	0.24
	3/8/2011	0.0029	NA	NA	NA	ND<0.5	ND<0.5	2.2	ND<0.5	ND<0.5	ND<0.5	6	ND<0.5	0.87	ND<0.5	0.9	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1	0.43
	9/13/2011	0.0026	NA	NA	NA	ND<0.5	ND<0.5	1.5	ND<0.5	ND<0.5	ND<0.5	3.7	ND<0.5	ND<0.5	ND<0.5	1.4	7.8	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1	0.53
RMW-15	3/14/2008	ND<0.0040	NA	ND<0.0075	NA	15.5	1.6	3.3	ND<1	ND<1	ND<1	ND<2	1.5	ND<1	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	1.4	ND<1	ND<0.1
	6/23/2008	ND<0.0040	NA	ND<0.0075	NA	11	ND<1	4.2	ND<1	ND<1	ND<1	ND<2	2.6	1.4	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<0.1
	9/22/2008	ND<0.0040	NA	ND<0.0075	NA	8.8	ND<1	3	ND<1	ND<1	ND<1	ND<2	4	2	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<0.1
	12/4/2008	ND<0.0040	NA	ND<0.0075	NA	5.8	ND<1	5.6	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<0.1
	3/25/2009	ND<0.0010	NA	ND<0.0025	NA	10	0.7	4.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2	1.9	ND<0.5	ND<1	ND<5	ND<1	ND<0.5	ND<0.5	ND<0.5	0.8	ND<0.5	ND<0.5	ND<0.5	0.127
	6/30/2009	ND<0.0020	NA	ND<0.0050	NA	11	ND<0.5	6.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2	ND<0.5	ND<0.5	ND<7	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	0.22
	9/4/2009	ND<0.0020	NA	ND<0.0050	NA	14	ND<0.5	4.9	0.7	ND<0.5	ND<0.5	2.3	ND<0.5	2.8	ND<0.5	ND<0.5	ND<3	ND<1	ND<1	ND<1	ND<1	1.2	ND<1	ND<2	ND<2	ND<0.075
	12/29/2009	ND<0.0020	NA	ND<0.0050	NA	7.2	ND<0.5	3.7	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.89	1.4	ND<0.5	ND<0.5	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	0.17
	3/10/2010	ND<0.0020	NA	ND<0.0050	NA	13	ND<0.5	8	0.61	ND<0.5	ND<0.5	ND<0.5	1.2	2.4	ND<0.5	ND<0.5	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	ND<0.075
	6/11/2010	ND<0.0020	NA	ND<0.0050	NA	14	0.61	4.7	0.64	ND<0.5	ND<0.5	ND<0.5	2.3	2.5	ND<0.5	ND<0.5	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	0.076
	9/1/2010	ND<0.0020	NA	NA	NA	14	0.58	3.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	5	3.5	ND<0.5	ND<0.5	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1	0.086
	12/7/2010	NA	NA	NA	NA	8.4	ND<0.5	5.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.4	1.8	ND<0.5	ND<0.5	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1	0.15
	3/8/2011	NA	NA	NA	NA	5.2	ND<0.5	2.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.71	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1	0.34

Notes:
Shaded and **bold** cells indicate an exceedance of the 2003 proposed I/C VC and/or the ASWPC (where applicable
Bold cells indicate an exceedance of the current 2003 proposed Res VC and/or the SWPC
RSR compliance was achieved at RMW-15, and sampling was discontinued after the 03/2011 event.
SWPC = Surface Water Protection Criteria
ASWPC = Alternative Surface Water Protection Criteria
I/C VC = Industrial/Commercial Volatilization Criteria
ug/l = micrograms per liter
mg/l = milligrams per liter
VOCs = volatile organic compounds
ETPH = extractable total petroleum hydrocarbons
NA = not analyzed
NE = criteria not established
ND<# = not detected above given laboratory detection limit
NS = not sampled
* Due to the high concentration of vinyl chloride during the June 2008 sampling event, monitoring well MW-4A was resampled for VOCs only on 7/18/2008

Trans-1,2-Dichloroethylene was detected in MW-4a at a concentration of 0.6 ug/l during the March 2009 sampling event

1,4-Dichlorobenzene was detected in MW-4A at a concentration of 30 ug/l during the June 2009 sampling event.

1,2,4-Trimethylbenze was detected in MW-2B at a concentration of 0.73 ug/l during the September 2009 sampling event.
Bromodichloromethane was detected in MW-4B at a concentration of 18 ug/l during the September 2009 sampling event.

Acetone was detected in MW-7Dup at a concentration of 5.2 ug/l during the March 2011 sampling event.

APPENDIX A

LABORATORY ANALYTICAL REPORTS

con-test®
ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

March 29, 2013

Robin Fox
HRP Associates, Inc. (Private)
197 Scott Swamp Road
Farmington, CT 06032

Project Location: IR - New Britain
Client Job Number:
Project Number: ING0093.GW
Laboratory Work Order Number: 13C0683

Enclosed are results of analyses for samples received by the laboratory on March 22, 2013. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa A. Worthington
Project Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

HRP Associates, Inc. (Private)
197 Scott Swamp Road
Farmington, CT 06032
ATTN: Robin Fox

REPORT DATE: 3/29/2013

PURCHASE ORDER NUMBER: S-CT-01131

PROJECT NUMBER: ING0093.GW

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 13C0683

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: IR - New Britain

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-4A	13C0683-01	Ground Water		SW-846 8260C	

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method 8260, only one vial was provided. The original analysis followed a sample containing high levels of target analytes and showed significant carry-over. Sample was rerun from the previously analyzed vial. Only second analysis was reported.

Login

Qualifications:

Sample was received on ice, but receipt temperature was above a maximum temperature of 6 °C.

Analyte & Samples(s) Qualified:

13C0683-01[MW-4A]

SW-846 8260C

Qualifications:

Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

Analyte & Samples(s) Qualified:

Acrylonitrile, Methylene Chloride

B069784-BS1

Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

1,2,3-Trichlorobenzene, Bromomethane, Dichlorodifluoromethane (Freon 12), Naphthalene

13C0683-01[MW-4A], B069784-BLK1, B069784-BS1

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

1,2,3-Trichlorobenzene, 1,2-Dibromo-3-chloropropane (DBCP), Naphthalene

13C0683-01[MW-4A], B069784-BLK1, B069784-BS1

Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Bromomethane

B069784-BS1

Sample was run on previously run vial.

Analyte & Samples(s) Qualified:

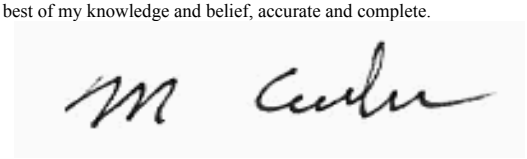
13C0683-01[MW-4A]

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

SW-846 8260C

All water reporting limits specified on the chain-of-custody were met except for Acrylonitrile, where the most protective criteria are not met since the laboratory cannot achieve the required RCP calibration criteria at these levels, unless otherwise listed in this narrative.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Michael A. Erickson
Laboratory Director

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: IR - New Britain | Sample Description: | Work Order: 13C0683

Date Received: 3/22/2013

Field Sample #: MW-4A | Sampled: 3/18/2013 00:00

Sample ID: 13C0683-01

Sample Matrix: Ground Water

Sample Flags: Z-01

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	5.0	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
Bromodichloromethane	ND	1.0	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
Bromomethane	ND	0.50	µg/L	1	L-03	SW-846 8260C	3/26/13	3/28/13 1:04	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
Carbon Disulfide	ND	10	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
Carbon Tetrachloride	ND	1.0	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
Chloromethane	ND	0.50	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1	V-05	SW-846 8260C	3/26/13	3/28/13 1:04	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1	L-03	SW-846 8260C	3/26/13	3/28/13 1:04	LBD
1,1-Dichloroethane	3.2	0.50	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
Hexachlorobutadiene	ND	1.0	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: IR - New Britain | Sample Description: | Work Order: 13C0683

Date Received: 3/22/2013

Field Sample #: MW-4A | Sampled: 3/18/2013 00:00

Sample ID: 13C0683-01

Sample Matrix: Ground Water

Sample Flags: Z-01

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
Naphthalene	ND	2.0	µg/L	1	L-03, V-05	SW-846 8260C	3/26/13	3/28/13 1:04	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1	L-03, V-05	SW-846 8260C	3/26/13	3/28/13 1:04	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
1,1,1-Trichloroethane	1.8	0.50	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	3/26/13	3/28/13 1:04	LBD

Surrogates	% Recovery	Recovery Limits	Flag		
1,2-Dichloroethane-d4	97.0	70-130			3/28/13 1:04
Toluene-d8	92.8	70-130			3/28/13 1:04
4-Bromofluorobenzene	91.0	70-130			3/28/13 1:04

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Sample Extraction Data

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
13C0683-01 [MW-4A]	B069784	5	5.00	03/26/13

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B069784 - SW-846 5030B										
Blank (B069784-BLK1)				Prepared: 03/26/13 Analyzed: 03/28/13						
Acetone	ND	5.0	µg/L							
Acrylonitrile	ND	2.0	µg/L							
Benzene	ND	0.50	µg/L							
Bromobenzene	ND	0.50	µg/L							
Bromodichloromethane	ND	1.0	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	0.50	µg/L							L-03
2-Butanone (MEK)	ND	5.0	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
Carbon Disulfide	ND	10	µg/L							
Carbon Tetrachloride	ND	1.0	µg/L							
Chlorobenzene	ND	0.50	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Chloromethane	ND	0.50	µg/L							
2-Chlorotoluene	ND	0.50	µg/L							
4-Chlorotoluene	ND	0.50	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L							V-05
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							L-03
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	0.50	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Hexachlorobutadiene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	5.0	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L							
Naphthalene	ND	2.0	µg/L							L-03, V-05
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B069784 - SW-846 5030B											
Blank (B069784-BLK1)				Prepared: 03/26/13 Analyzed: 03/28/13							
Tetrachloroethylene	ND	1.0	µg/L								
Tetrahydrofuran	ND	10	µg/L								
Toluene	ND	1.0	µg/L								
1,2,3-Trichlorobenzene	ND	1.0	µg/L								L-03, V-05
1,2,4-Trichlorobenzene	ND	1.0	µg/L								
1,1,1-Trichloroethane	ND	0.50	µg/L								
1,1,2-Trichloroethane	ND	0.50	µg/L								
Trichloroethylene	ND	1.0	µg/L								
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L								
1,2,3-Trichloropropane	ND	0.50	µg/L								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L								
1,2,4-Trimethylbenzene	ND	0.50	µg/L								
1,3,5-Trimethylbenzene	ND	0.50	µg/L								
Vinyl Chloride	ND	1.0	µg/L								
m+p Xylene	ND	2.0	µg/L								
o-Xylene	ND	1.0	µg/L								
Surrogate: 1,2-Dichloroethane-d4	*24.5*		µg/L	25.0		97.9		70-130			
Surrogate: Toluene-d8	*23.5*		µg/L	25.0		93.9		70-130			
Surrogate: 4-Bromofluorobenzene	*22.8*		µg/L	25.0		91.2		70-130			
LCS (B069784-BS1)				Prepared: 03/26/13 Analyzed: 03/27/13							
Acetone	96.0	5.0	µg/L	100		96.0		70-130			
Acrylonitrile	13.9	2.0	µg/L	10.0		**139**	*	70-130			L-01
Benzene	10.9	0.50	µg/L	10.0		109		70-130			
Bromobenzene	11.3	0.50	µg/L	10.0		113		70-130			
Bromodichloromethane	10.2	1.0	µg/L	10.0		102		70-130			
Bromoform	9.96	1.0	µg/L	10.0		99.6		70-130			
Bromomethane	6.12	0.50	µg/L	10.0		**61.2**	*	70-130			L-03, V-20
2-Butanone (MEK)	106	5.0	µg/L	100		106		70-130			
n-Butylbenzene	9.93	1.0	µg/L	10.0		99.3		70-130			
sec-Butylbenzene	11.4	1.0	µg/L	10.0		114		70-130			
tert-Butylbenzene	11.6	1.0	µg/L	10.0		116		70-130			
Carbon Disulfide	7.50	10	µg/L	10.0		75.0		70-130			
Carbon Tetrachloride	9.21	1.0	µg/L	10.0		92.1		70-130			
Chlorobenzene	12.7	0.50	µg/L	10.0		127		70-130			
Chlorodibromomethane	8.91	0.50	µg/L	10.0		89.1		70-130			
Chloroethane	9.62	0.50	µg/L	10.0		96.2		70-130			
Chloroform	10.8	0.50	µg/L	10.0		108		70-130			
Chloromethane	7.39	0.50	µg/L	10.0		73.9		70-130			
2-Chlorotoluene	12.0	0.50	µg/L	10.0		120		70-130			
4-Chlorotoluene	12.5	0.50	µg/L	10.0		125		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	7.90	2.0	µg/L	10.0		79.0		70-130			V-05
1,2-Dibromoethane (EDB)	10.9	0.50	µg/L	10.0		109		70-130			
Dibromomethane	11.2	0.50	µg/L	10.0		112		70-130			
1,2-Dichlorobenzene	12.1	0.50	µg/L	10.0		121		70-130			
1,3-Dichlorobenzene	12.2	0.50	µg/L	10.0		122		70-130			
1,4-Dichlorobenzene	11.1	0.50	µg/L	10.0		111		70-130			
trans-1,4-Dichloro-2-butene	9.77	2.0	µg/L	10.0		97.7		70-130			
Dichlorodifluoromethane (Freon 12)	5.13	0.50	µg/L	10.0		**51.3**	*	70-130			L-03
1,1-Dichloroethane	11.7	0.50	µg/L	10.0		117		70-130			
1,2-Dichloroethane	10.4	0.50	µg/L	10.0		104		70-130			
1,1-Dichloroethylene	9.16	0.50	µg/L	10.0		91.6		70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B069784 - SW-846 5030B											
LCS (B069784-BS1)				Prepared: 03/26/13 Analyzed: 03/27/13							
cis-1,2-Dichloroethylene	9.99	0.50	µg/L	10.0		99.9		70-130			
trans-1,2-Dichloroethylene	12.4	1.0	µg/L	10.0		124		70-130			
1,2-Dichloropropane	10.5	0.50	µg/L	10.0		105		70-130			
1,3-Dichloropropane	10.4	0.50	µg/L	10.0		104		70-130			
2,2-Dichloropropane	8.28	0.50	µg/L	10.0		82.8		70-130			
1,1-Dichloropropene	10.3	0.50	µg/L	10.0		103		70-130			
cis-1,3-Dichloropropene	8.45	0.50	µg/L	10.0		84.5		70-130			
trans-1,3-Dichloropropene	8.64	0.50	µg/L	10.0		86.4		70-130			
Ethylbenzene	11.7	0.50	µg/L	10.0		117		70-130			
Hexachlorobutadiene	9.26	1.0	µg/L	10.0		92.6		70-130			
2-Hexanone (MBK)	116	5.0	µg/L	100		116		70-130			
Isopropylbenzene (Cumene)	12.2	0.50	µg/L	10.0		122		70-130			
p-Isopropyltoluene (p-Cymene)	11.3	0.50	µg/L	10.0		113		70-130			
Methyl tert-Butyl Ether (MTBE)	11.1	0.50	µg/L	10.0		111		70-130			
Methylene Chloride	14.0	5.0	µg/L	10.0		**140**	*	70-130			L-01
4-Methyl-2-pentanone (MIBK)	119	5.0	µg/L	100		119		70-130			
Naphthalene	6.48	2.0	µg/L	10.0		**64.8**	*	70-130			L-03, V-05
n-Propylbenzene	12.4	1.0	µg/L	10.0		124		70-130			
Styrene	12.6	1.0	µg/L	10.0		126		70-130			
1,1,1,2-Tetrachloroethane	11.0	1.0	µg/L	10.0		110		70-130			
1,1,2,2-Tetrachloroethane	11.6	0.50	µg/L	10.0		116		70-130			
Tetrachloroethylene	10.6	1.0	µg/L	10.0		106		70-130			
Tetrahydrofuran	12.2	10	µg/L	10.0		122		70-130			
Toluene	10.9	1.0	µg/L	10.0		109		70-130			
1,2,3-Trichlorobenzene	6.86	1.0	µg/L	10.0		**68.6**	*	70-130			L-03, V-05
1,2,4-Trichlorobenzene	8.33	1.0	µg/L	10.0		83.3		70-130			
1,1,1-Trichloroethane	10.1	0.50	µg/L	10.0		101		70-130			
1,1,2-Trichloroethane	10.9	0.50	µg/L	10.0		109		70-130			
Trichloroethylene	10.3	1.0	µg/L	10.0		103		70-130			
Trichlorofluoromethane (Freon 11)	9.07	2.0	µg/L	10.0		90.7		70-130			
1,2,3-Trichloropropane	11.4	0.50	µg/L	10.0		114		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.74	1.0	µg/L	10.0		97.4		70-130			
1,2,4-Trimethylbenzene	11.4	0.50	µg/L	10.0		114		70-130			
1,3,5-Trimethylbenzene	11.5	0.50	µg/L	10.0		115		70-130			
Vinyl Chloride	7.66	1.0	µg/L	10.0		76.6		70-130			
m+p Xylene	25.1	2.0	µg/L	20.0		125		70-130			
o-Xylene	12.6	1.0	µg/L	10.0		126		70-130			
Surrogate: 1,2-Dichloroethane-d4	*23.1*		µg/L	25.0		92.5		70-130			
Surrogate: Toluene-d8	*23.8*		µg/L	25.0		95.1		70-130			
Surrogate: 4-Bromofluorobenzene	*24.4*		µg/L	25.0		97.8		70-130			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
L-01	Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
L-03	Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.
T-07	Sample was received on ice, but receipt temperature was above a maximum temperature of 6 °C.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
Z-01	Sample was run on previously run vial.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
Acetone	CT,NH,NY,ME
Acrylonitrile	CT,NY,ME
Benzene	CT,NH,NY,ME
Bromodichloromethane	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	NY,ME
sec-Butylbenzene	NY,ME
tert-Butylbenzene	NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	NY,ME
4-Chlorotoluene	NY,ME
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
trans-1,4-Dichloro-2-butene	NH,NY,ME
Dichlorodifluoromethane (Freon 12)	NH,NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	CT,NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	NY,ME
p-Isopropyltoluene (p-Cymene)	CT,NH,NY,ME
Methyl tert-Butyl Ether (MTBE)	CT,NH,NY,ME
Methylene Chloride	CT,NH,NY,ME
4-Methyl-2-pentanone (MIBK)	CT,NH,NY,ME
Naphthalene	NH,NY,ME
n-Propylbenzene	CT,NH,NY,ME
Styrene	CT,NH,NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
1,2,3-Trichlorobenzene	NH,NY,ME
1,2,4-Trichlorobenzene	CT,NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NY
1,2,4-Trimethylbenzene	NY,ME
1,3,5-Trimethylbenzene	NY,ME
Vinyl Chloride	CT,NH,NY,ME
m+p Xylene	CT,NH,NY,ME
o-Xylene	CT,NH,NY,ME

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2014
MA	Massachusetts DEP	M-MA100	06/30/2013
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2013
NY	New York State Department of Health	10899 NELAP	04/1/2013
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2014
RI	Rhode Island Department of Health	LAO00112	12/30/2013
NC	North Carolina Div. of Water Quality	652	12/31/2013
NJ	New Jersey DEP	MA007 NELAP	06/30/2013
FL	Florida Department of Health	E871027 NELAP	06/30/2013
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2013
WA	State of Washington Department of Ecology	C2065	02/23/2014
ME	State of Maine	2011028	06/9/2013
VA	Commonwealth of Virginia	460217	12/14/2013
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2012

CHAIN OF CUSTODY RECORD

con-test® ANALYTICAL LABORATORY
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13C0683 Rev 04.05.12

Page 1 of 1

Company Name: HRP Associates
Address: 197 Scott Swamp Rd
Farmington, CT 06032
Attention: Robin Fox / D. Dudack
Project Location: IR-New Britain
Sampled By: K. Gardanier

Telephone: (860)674-9570
Project # IN60093.GW
Client PO#

DATA DELIVERY (check all that apply)
○ FAX ✗ EMAIL ○ WEBSITE
Fax #
Email: jenny.money@hrpassociates.com
Format: ○ PDF ○ EXCEL ○ GIS
○ OTHER
○ "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	# of Containers	** Preservation	***Container Code	VOCs 8260
01	MW-4A	3/18/13			X	GW		8	H	V	X

ANALYSIS REQUESTED

Dissolved Metals
○ Field Filtered
○ Lab to Filter

***Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other

**Preservation
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other_____

*Matrix Code:
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other_____

Comments: CT RCP Deliverables

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	1305	Date/Time: 3/22/13
Received by: (signature)	9.8 1305	Date/Time: 3/22/13
Relinquished by: (signature)		Date/Time:
Received by: (signature)		Date/Time:

Turnaround ††
☐ 7-Day
☐ 10-Day
☐ Other STD
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut:
Other:

Is your project MCP or RCP ?
○ MCP Form Required
○ RCP Form Required
○ MA State DW Form Required PWSID # _____

NELAC & AIHA-LAP, LLC Accredited
WBE/DBE Certified

†† TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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East Longmeadow, MA. 01028
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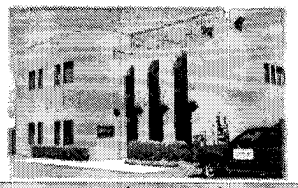

Sample Receipt Checklist

CLIENT NAME: HRP **RECEIVED BY:** WF **DATE:** 3/22/13

1) **Was the chain(s) of custody relinquished and signed?** **Yes** No No CoC Included
2) **Does the chain agree with the samples?** **Yes** No
If not, explain:
3) **Are all the samples in good condition?** **Yes** No
If not, explain:
4) **How were the samples received:**
On Ice ☒ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☒
Were the samples received in Temperature Compliance of (2-6°C)? **Yes** **No** **N/A**
Temperature °C by Temp blank _____ Temperature °C by Temp gun 9.8
5) **Are there Dissolved samples for the lab to filter?** **Yes** **No**
Who was notified _____ Date _____ Time _____
6) **Are there any RUSH or SHORT HOLDING TIME samples?** **Yes** **No**
Who was notified _____ Date _____ Time _____
7) **Location where samples are stored:**

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: _____

8) **Do all samples have the proper Acid pH:** **Yes** **No** **N/A** _____
9) **Do all samples have the proper Base pH:** **Yes** **No** **N/A** _____
10) **Was the PC notified of any discrepancies with the CoC vs the samples:** **Yes** **No** **N/A**

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Air Cassette	
500 mL Plastic		Hg/Hopcalite Tube	
250 mL plastic		Plastic Bag / Ziploc	
40 mL Vial - type listed below	1	PM 2.5 / PM 10	
Colisure / bacteria bottle		PUF Cartridge	
Dissolved Oxygen bottle		SOC Kit	
Encore		TO-17 Tubes	
Flashpoint bottle		Non-ConTest Container	
Perchlorate Kit		Other glass jar	
Other		Other	

Laboratory Comments:

40 mL vials: # HCl 1 # Methanol _____
Bisulfate _____ # DI Water _____
Thiosulfate _____ Unpreserved

Time and Date Frozen:

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: HRP Associates, Inc. (Private)

Project Location: IR - New Britain

Project Number: 13C0683

Laboratory Sample ID(s):

13C0683-01

Sample Date(s):

03/18/2013

List RCP Methods Used:

SW-846 8260C

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 CTDEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☐ Yes ☑ No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	☐ Yes ☐ No ☑ 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 ☐ No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	☐ Yes ☑ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	☐ Yes ☑ No
5A	Were reporting limits specified or referenced on the chain-of-custody?	☐ Yes ☑ No
5B	Were these reporting limits met?	☐ Yes ☐ 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 ☐ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☐ Yes ☑ No

Notes: 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 #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."
This form may not be altered and all questions must be answered.

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.

Authorized Signature:  **Position:** **Laboratory Director**

Printed Name: **Michael A. Erickson** **Date:** **03/29/13**

Name of Laboratory: **Con-Test Analytical Laboratory**

This certification form is to be used for RCP methods only.

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June 12, 2013

Robin Fox
HRP Associates, Inc. (Private)
197 Scott Swamp Road
Farmington, CT 06032

Project Location: Diane Dudeck/Eric Boswell
Client Job Number:
Project Number: ING0093.GW
Laboratory Work Order Number: 13F0158

Enclosed are results of analyses for samples received by the laboratory on June 5, 2013. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa A. Worthington
Project Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

HRP Associates, Inc. (Private)
197 Scott Swamp Road
Farmington, CT 06032
ATTN: Robin Fox

REPORT DATE: 6/12/2013

PURCHASE ORDER NUMBER: S-CT-01131

PROJECT NUMBER: ING0093.GW

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 13F0158

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Diane Dudeck/Eric Boswell

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-4A	13F0158-01	Ground Water		SW-846 8260C	
Trip Blank	13F0158-02	Trip Blank Water		SW-846 8260C	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8260C

Qualifications:

Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

Analyte & Samples(s) Qualified:

Bromomethane

B074419-BS1

Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

1,2,3-Trichlorobenzene, Naphthalene

13F0158-01[MW-4A], 13F0158-02[Trip Blank], B074419-BLK1, B074419-BS1

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

1,2,3-Trichlorobenzene, Naphthalene

13F0158-01[MW-4A], 13F0158-02[Trip Blank], B074419-BLK1, B074419-BS1

Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Acetone, Bromomethane, Methylene Chloride

B074419-BS1

SW-846 8260C

All water reporting limits specified on the chain-of-custody were met except for Acrylonitrile, where the most protective criteria are not met since the laboratory cannot achieve the required RCP calibration criteria at these levels, unless otherwise listed in this narrative.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Michael A. Erickson
Laboratory Director

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Project Location: Diane Dudeck/Eric Boswell | Sample Description: | Work Order: 13F0158

Date Received: 6/5/2013

Field Sample #: MW-4A | Sampled: 6/4/2013 11:11

Sample ID: 13F0158-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	5.0	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
Benzene	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
Bromodichloromethane	ND	1.0	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
Carbon Disulfide	ND	10	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
Carbon Tetrachloride	ND	1.0	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
Chloromethane	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
Dichlorodifluoromethane (Freon 12)	6.9	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
1,1-Dichloroethane	4.9	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
cis-1,3-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
Hexachlorobutadiene	ND	1.0	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Diane Dudeck/Eric Boswell | Sample Description: | Work Order: 13F0158

Date Received: 6/5/2013

Field Sample #: MW-4A | Sampled: 6/4/2013 11:11

Sample ID: 13F0158-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
Naphthalene	ND	2.0	µg/L	1	L-03, V-05	SW-846 8260C	6/6/13	6/6/13 20:15	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1	L-03, V-05	SW-846 8260C	6/6/13	6/6/13 20:15	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
1,1,1-Trichloroethane	3.4	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	6/6/13	6/6/13 20:15	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	118	70-130		6/6/13 20:15
Toluene-d8	92.6	70-130		6/6/13 20:15
4-Bromofluorobenzene	88.8	70-130		6/6/13 20:15

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Diane Dudeck/Eric Boswell | Sample Description: | Work Order: 13F0158

Date Received: 6/5/2013

Field Sample #: Trip Blank | Sampled: 6/4/2013 08:15

Sample ID: 13F0158-02

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	5.0	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
Benzene	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
Bromodichloromethane	ND	1.0	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
Carbon Disulfide	ND	10	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
Carbon Tetrachloride	ND	1.0	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
Chloromethane	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
cis-1,3-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
Hexachlorobutadiene	ND	1.0	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Diane Dudeck/Eric Boswell | Sample Description: | Work Order: 13F0158

Date Received: 6/5/2013

Field Sample #: Trip Blank | Sampled: 6/4/2013 08:15

Sample ID: 13F0158-02

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
Naphthalene	ND	2.0	µg/L	1	L-03, V-05	SW-846 8260C	6/6/13	6/6/13 18:11	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1	L-03, V-05	SW-846 8260C	6/6/13	6/6/13 18:11	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	6/6/13	6/6/13 18:11	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	117	70-130		6/6/13 18:11
Toluene-d8	93.1	70-130		6/6/13 18:11
4-Bromofluorobenzene	91.9	70-130		6/6/13 18:11

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 5035-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
13F0158-01 [MW-4A]	B074419	5	5.00	06/06/13
13F0158-02 [Trip Blank]	B074419	5	5.00	06/06/13

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B074419 - SW-846 5035										
Blank (B074419-BLK1)				Prepared & Analyzed: 06/06/13						
Acetone	ND	5.0	µg/L							
Acrylonitrile	ND	2.0	µg/L							
Benzene	ND	0.50	µg/L							
Bromobenzene	ND	0.50	µg/L							
Bromodichloromethane	ND	1.0	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	1.0	µg/L							
2-Butanone (MEK)	ND	5.0	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
Carbon Disulfide	ND	10	µg/L							
Carbon Tetrachloride	ND	1.0	µg/L							
Chlorobenzene	ND	0.50	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Chloromethane	ND	0.50	µg/L							
2-Chlorotoluene	ND	0.50	µg/L							
4-Chlorotoluene	ND	0.50	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	0.50	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	2.0	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Hexachlorobutadiene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	5.0	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L							
Naphthalene	ND	2.0	µg/L							L-03, V-05
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B074419 - SW-846 5035											
Blank (B074419-BLK1)				Prepared & Analyzed: 06/06/13							
Tetrachloroethylene	ND	1.0	µg/L								
Tetrahydrofuran	ND	10	µg/L								
Toluene	ND	1.0	µg/L								
1,2,3-Trichlorobenzene	ND	1.0	µg/L								L-03, V-05
1,2,4-Trichlorobenzene	ND	1.0	µg/L								
1,1,1-Trichloroethane	ND	0.50	µg/L								
1,1,2-Trichloroethane	ND	0.50	µg/L								
Trichloroethylene	ND	1.0	µg/L								
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L								
1,2,3-Trichloropropane	ND	0.50	µg/L								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L								
1,2,4-Trimethylbenzene	ND	0.50	µg/L								
1,3,5-Trimethylbenzene	ND	0.50	µg/L								
Vinyl Chloride	ND	1.0	µg/L								
m+p Xylene	ND	2.0	µg/L								
o-Xylene	ND	1.0	µg/L								
Surrogate: 1,2-Dichloroethane-d4	*28.5*		µg/L	25.0		114		70-130			
Surrogate: Toluene-d8	*22.9*		µg/L	25.0		91.6		70-130			
Surrogate: 4-Bromofluorobenzene	*22.9*		µg/L	25.0		91.5		70-130			
LCS (B074419-BS1)				Prepared & Analyzed: 06/06/13							
Acetone	130	5.0	µg/L	100		130		70-130			V-20
Acrylonitrile	9.95	2.0	µg/L	10.0		99.5		70-130			
Benzene	9.03	0.50	µg/L	10.0		90.3		70-130			
Bromobenzene	9.06	0.50	µg/L	10.0		90.6		70-130			
Bromodichloromethane	9.00	1.0	µg/L	10.0		90.0		70-130			
Bromoform	9.06	1.0	µg/L	10.0		90.6		70-130			
Bromomethane	14.5	1.0	µg/L	10.0		**145**	*	70-130			L-01, V-20
2-Butanone (MEK)	110	5.0	µg/L	100		110		70-130			
n-Butylbenzene	7.62	1.0	µg/L	10.0		76.2		70-130			
sec-Butylbenzene	7.84	1.0	µg/L	10.0		78.4		70-130			
tert-Butylbenzene	7.72	1.0	µg/L	10.0		77.2		70-130			
Carbon Disulfide	109	10	µg/L	100		109		70-130			
Carbon Tetrachloride	9.69	1.0	µg/L	10.0		96.9		70-130			
Chlorobenzene	9.71	0.50	µg/L	10.0		97.1		70-130			
Chlorodibromomethane	8.45	0.50	µg/L	10.0		84.5		70-130			
Chloroethane	9.48	0.50	µg/L	10.0		94.8		70-130			
Chloroform	9.86	0.50	µg/L	10.0		98.6		70-130			
Chloromethane	7.02	0.50	µg/L	10.0		70.2		70-130			
2-Chlorotoluene	9.20	0.50	µg/L	10.0		92.0		70-130			
4-Chlorotoluene	9.36	0.50	µg/L	10.0		93.6		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	7.80	2.0	µg/L	10.0		78.0		70-130			
1,2-Dibromoethane (EDB)	10.0	0.50	µg/L	10.0		100		70-130			
Dibromomethane	9.63	0.50	µg/L	10.0		96.3		70-130			
1,2-Dichlorobenzene	8.83	0.50	µg/L	10.0		88.3		70-130			
1,3-Dichlorobenzene	9.27	0.50	µg/L	10.0		92.7		70-130			
1,4-Dichlorobenzene	9.27	0.50	µg/L	10.0		92.7		70-130			
trans-1,4-Dichloro-2-butene	9.88	2.0	µg/L	10.0		98.8		70-130			
Dichlorodifluoromethane (Freon 12)	9.04	0.50	µg/L	10.0		90.4		70-130			
1,1-Dichloroethane	8.77	0.50	µg/L	10.0		87.7		70-130			
1,2-Dichloroethane	9.67	0.50	µg/L	10.0		96.7		70-130			
1,1-Dichloroethylene	10.6	0.50	µg/L	10.0		106		70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B074419 - SW-846 5035											
LCS (B074419-BS1)				Prepared & Analyzed: 06/06/13							
cis-1,2-Dichloroethylene	9.12	0.50	µg/L	10.0		91.2		70-130			
trans-1,2-Dichloroethylene	9.35	1.0	µg/L	10.0		93.5		70-130			
1,2-Dichloropropane	8.42	0.50	µg/L	10.0		84.2		70-130			
1,3-Dichloropropane	9.06	0.50	µg/L	10.0		90.6		70-130			
2,2-Dichloropropane	9.33	0.50	µg/L	10.0		93.3		70-130			
1,1-Dichloropropene	9.12	0.50	µg/L	10.0		91.2		70-130			
cis-1,3-Dichloropropene	7.83	2.0	µg/L	10.0		78.3		70-130			
trans-1,3-Dichloropropene	7.63	0.50	µg/L	10.0		76.3		70-130			
Ethylbenzene	9.18	0.50	µg/L	10.0		91.8		70-130			
Hexachlorobutadiene	7.37	1.0	µg/L	10.0		73.7		70-130			
2-Hexanone (MBK)	118	5.0	µg/L	100		118		70-130			
Isopropylbenzene (Cumene)	8.64	0.50	µg/L	10.0		86.4		70-130			
p-Isopropyltoluene (p-Cymene)	8.26	0.50	µg/L	10.0		82.6		70-130			
Methyl tert-Butyl Ether (MTBE)	8.37	0.50	µg/L	10.0		83.7		70-130			
Methylene Chloride	11.2	5.0	µg/L	10.0		112		70-130			V-20
4-Methyl-2-pentanone (MIBK)	115	5.0	µg/L	100		115		70-130			
Naphthalene	5.89	2.0	µg/L	10.0		**58.9**	*	70-130			L-03, V-05
n-Propylbenzene	9.05	1.0	µg/L	10.0		90.5		70-130			
Styrene	9.89	1.0	µg/L	10.0		98.9		70-130			
1,1,1,2-Tetrachloroethane	9.25	1.0	µg/L	10.0		92.5		70-130			
1,1,2,2-Tetrachloroethane	9.69	0.50	µg/L	10.0		96.9		70-130			
Tetrachloroethylene	9.27	1.0	µg/L	10.0		92.7		70-130			
Tetrahydrofuran	9.45	10	µg/L	10.0		94.5		70-130			
Toluene	9.14	1.0	µg/L	10.0		91.4		70-130			
1,2,3-Trichlorobenzene	5.61	1.0	µg/L	10.0		**56.1**	*	70-130			L-03, V-05
1,2,4-Trichlorobenzene	7.06	1.0	µg/L	10.0		70.6		70-130			
1,1,1-Trichloroethane	9.81	0.50	µg/L	10.0		98.1		70-130			
1,1,2-Trichloroethane	9.61	0.50	µg/L	10.0		96.1		70-130			
Trichloroethylene	9.31	1.0	µg/L	10.0		93.1		70-130			
Trichlorofluoromethane (Freon 11)	11.0	2.0	µg/L	10.0		110		70-130			
1,2,3-Trichloropropane	10.7	0.50	µg/L	10.0		107		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.3	1.0	µg/L	10.0		123		70-130			
1,2,4-Trimethylbenzene	8.93	0.50	µg/L	10.0		89.3		70-130			
1,3,5-Trimethylbenzene	9.42	0.50	µg/L	10.0		94.2		70-130			
Vinyl Chloride	7.88	1.0	µg/L	10.0		78.8		70-130			
m+p Xylene	19.6	2.0	µg/L	20.0		98.0		70-130			
o-Xylene	8.89	1.0	µg/L	10.0		88.9		70-130			
Surrogate: 1,2-Dichloroethane-d4	*26.6*		µg/L	25.0		106		70-130			
Surrogate: Toluene-d8	*25.2*		µg/L	25.0		101		70-130			
Surrogate: 4-Bromofluorobenzene	*25.5*		µg/L	25.0		102		70-130			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
L-01	Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
L-03	Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
Acetone	CT,NH,NY,ME
Acrylonitrile	CT,NY,ME
Benzene	CT,NH,NY,ME
Bromodichloromethane	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	NY,ME
sec-Butylbenzene	NY,ME
tert-Butylbenzene	NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	NY,ME
4-Chlorotoluene	NY,ME
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
trans-1,4-Dichloro-2-butene	NH,NY,ME
Dichlorodifluoromethane (Freon 12)	NH,NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	CT,NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	NY,ME
p-Isopropyltoluene (p-Cymene)	CT,NH,NY,ME
Methyl tert-Butyl Ether (MTBE)	CT,NH,NY,ME
Methylene Chloride	CT,NH,NY,ME
4-Methyl-2-pentanone (MIBK)	CT,NH,NY,ME
Naphthalene	NH,NY,ME
n-Propylbenzene	CT,NH,NY,ME
Styrene	CT,NH,NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
1,2,3-Trichlorobenzene	NH,NY,ME
1,2,4-Trichlorobenzene	CT,NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NY
1,2,4-Trimethylbenzene	NY,ME
1,3,5-Trimethylbenzene	NY,ME
Vinyl Chloride	CT,NH,NY,ME
m+p Xylene	CT,NH,NY,ME
o-Xylene	CT,NH,NY,ME

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2014
MA	Massachusetts DEP	M-MA100	06/30/2013
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2013
NY	New York State Department of Health	10899 NELAP	04/1/2014
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2014
RI	Rhode Island Department of Health	LAO00112	12/30/2013
NC	North Carolina Div. of Water Quality	652	12/31/2013
NJ	New Jersey DEP	MA007 NELAP	06/30/2013
FL	Florida Department of Health	E871027 NELAP	06/30/2013
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2013
WA	State of Washington Department of Ecology	C2065	02/23/2014
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2013
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2012

(4)

CHAIN OF CUSTODY RECORD

13F0158

Rev 04.05.12

con-test ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
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East longmeadow, MA 01028

Page 1 of 1

Company Name: HRP Assoc. Inc. Telephone: 860-674-9570

Address: 197 Scott Swamp Rd Project # IN60093.GW

Farmington CT 06032 Client PO#

Attention: Diane Dudeck / Eric Boswell

Project Location: IR New Britain

Sampled By: BE

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

DATA DELIVERY (check all that apply)
○ FAX ○ EMAIL ○ WEBSITE
Fax #
Email:
Format: ○ PDF ○ EXCEL ○ GIS
○ OTHER
○ "Enhanced Data Package"

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	8260B VOC's	8260B VOC's
01	MW-4A Monitor Well	6/4/13	11:11		X	GW	U	X	
02	TB	↓	8:15		X	↓	↓		X

3	1											# of Containers
H	H											** Preservation
V	V											***Container Cod

ANALYSIS REQUESTED

Dissolved Metal
○ Field Filtered
○ Lab to Filter

***Cont. Code:**
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other

****Preservation**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other_____

*Matrix Code:
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other_____

Comments:

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:

H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	900	Date/Time: 6/5/13
Received by: (signature)	900	Date/Time: 6/5/13
Relinquished by: (signature)	11	Date/Time: 6/5/13
Received by: (signature)	5.1°C 18°	Date/Time: 6/5/13

Turnaround ††
☐ 7-Day
☐ 10-Day
☒ Other 5day
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut: RCP
Other:

Is your project MCP or RCP ?
○ MCP Form Required
○ RCP Form Required
○ MA State DW Form Required PWSID # _____

NELAC & AIHA-LAP, LLC Accredited
WBE/DBE Certified

†† TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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East Longmeadow, MA. 01028
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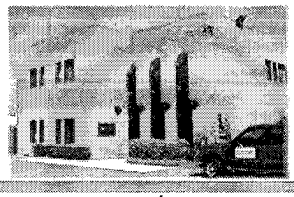

Sample Receipt Checklist

CLIENT NAME: HRP Assoc. Inc. RECEIVED BY: JMH DATE: 6/5/13

1) **Was the chain(s) of custody relinquished and signed?** (Yes) No No CoC Included

2) **Does the chain agree with the samples?** (Yes) No

If not, explain:

3) **Are all the samples in good condition?** (Yes) No

If not, explain:

4) **How were the samples received:**

On Ice ☒ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☑

Were the samples received in Temperature Compliance of (2-6°C)? (Yes) No N/A

Temperature °C by Temp blank _____ Temperature °C by Temp gun 5.1°C

5) **Are there Dissolved samples for the lab to filter?** Yes (No)

Who was notified _____ Date _____ Time _____

6) **Are there any RUSH or SHORT HOLDING TIME samples?** Yes (No)

Who was notified _____ Date _____ Time _____

7) **Location where samples are stored:** 19

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: _____

8) **Do all samples have the proper Acid pH:** Yes No (N/A) _____

9) **Do all samples have the proper Base pH:** Yes No (N/A) _____

10) **Was the PC notified of any discrepancies with the CoC vs the samples:** Yes No (N/A)

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Air Cassette	
500 mL Plastic		Hg/Hopcalite Tube	
250 mL plastic		Plastic Bag / Ziploc	
40 mL Vial - type listed below	4	PM 2.5 / PM 10	
Colisure / bacteria bottle		PUF Cartridge	
Dissolved Oxygen bottle		SOC Kit	
Encore		TO-17 Tubes	
Flashpoint bottle		Non-ConTest Container	
Perchlorate Kit		Other glass jar	
Other		Other	

Laboratory Comments:

40 mL vials: # HCl 4 # Methanol _____

Bisulfate _____ # DI Water _____

Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: HRP Associates, Inc. (Private)

Project Location: Diane Dudeck/Eric Boswell

Project Number: 13F0158

Laboratory Sample ID(s):

13F0158-01 thru 13F0158-02

Sample Date(s):

06/04/2013

List RCP Methods Used:

SW-846 8260C

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 CTDEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	☐ Yes ☐ No ☑ 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 ☐ No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	☐ Yes ☑ No
5A	Were reporting limits specified or referenced on the chain-of-custody?	☐ Yes ☑ No
5B	Were these reporting limits met?	☐ Yes ☐ 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 ☐ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☐ Yes ☑ No

Notes: 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 #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."
This form may not be altered and all questions must be answered.

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.

Authorized Signature:  **Position:** Laboratory Director

Printed Name: Michael A. Erickson **Date:** 06/12/13

Name of Laboratory: Con-Test Analytical Laboratory

This certification form is to be used for RCP methods only.

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September 11, 2013

Eric Boswell
HRP Associates, Inc. (Private)
197 Scott Swamp Road
Farmington, CT 06032

Project Location: IR New Britain
Client Job Number:
Project Number: ING0093.GW
Laboratory Work Order Number: 13I0075

Enclosed are results of analyses for samples received by the laboratory on September 4, 2013. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa A. Worthington
Project Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

HRP Associates, Inc. (Private)
197 Scott Swamp Road
Farmington, CT 06032
ATTN: Eric Boswell

REPORT DATE: 9/11/2013

PURCHASE ORDER NUMBER: S-CT-01131

PROJECT NUMBER: ING0093.GW

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 13I0075

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: IR New Britain

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-4A	13I0075-01	Ground Water		SW-846 8260C	
TB	13I0075-02	Trip Blank Water		SW-846 8260C	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8260C

Qualifications:

Reported result is estimated. Value reported over verified calibration range.

Analyte & Samples(s) Qualified:

1,1-Dichloroethane

13I0075-01[MW-4A]

Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

Analyte & Samples(s) Qualified:

Methylene Chloride

B080176-BS1

Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Bromomethane, Dichlorodifluoromethane (Freon 12)

13I0075-01RE1[MW-4A], B080238-BLK1, B080238-BS1

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-chloropropane (DBCP), Naphthalene

13I0075-01RE1[MW-4A], B080238-BLK1, B080238-BS1

Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Chloromethane, Methylene Chloride

B080238-BS1, B080176-BS1

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

SW-846 8260C

All water reporting limits specified on the chain-of-custody were met except for Acrylonitrile, where the most protective criteria are not met since the laboratory cannot achieve the required RCP calibration criteria at these levels, unless otherwise listed in this narrative.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Daren J. Damboragian
Laboratory Manager

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: IR New Britain | Sample Description: | Work Order: 13I0075

Date Received: 9/4/2013

Field Sample #: MW-4A | Sampled: 9/4/2013 10:56

Sample ID: 13I0075-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	100	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
Acetone	ND	5.0	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
Acrylonitrile	ND	40	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
Benzene	ND	10	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
Bromobenzene	ND	10	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
Bromodichloromethane	ND	10	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
Bromoform	ND	10	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
Bromomethane	ND	20	µg/L	20	L-03	SW-846 8260C	9/6/13	9/6/13 15:14	LBD
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
2-Butanone (MEK)	ND	100	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
n-Butylbenzene	ND	20	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
sec-Butylbenzene	ND	20	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
tert-Butylbenzene	ND	20	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
Carbon Disulfide	ND	100	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
Carbon Tetrachloride	ND	10	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
Chlorobenzene	ND	10	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
Chlorodibromomethane	ND	10	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
Chloroethane	110	10	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
Chloroethane	130	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
Chloroform	ND	10	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
Chloromethane	ND	40	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
2-Chlorotoluene	ND	10	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
4-Chlorotoluene	ND	10	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	40	µg/L	20	V-05	SW-846 8260C	9/6/13	9/6/13 15:14	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
1,2-Dibromoethane (EDB)	ND	10	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: IR New Britain | Sample Description: | Work Order: 13I0075

Date Received: 9/4/2013

Field Sample #: MW-4A | Sampled: 9/4/2013 10:56

Sample ID: 13I0075-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Dibromomethane	ND	10	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
1,2-Dichlorobenzene	ND	10	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
1,3-Dichlorobenzene	ND	10	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
1,4-Dichlorobenzene	ND	10	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
trans-1,4-Dichloro-2-butene	ND	40	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
Dichlorodifluoromethane (Freon 12)	ND	10	µg/L	20	L-03	SW-846 8260C	9/6/13	9/6/13 15:14	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
1,1-Dichloroethane	260	10	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
1,1-Dichloroethane	300	0.50	µg/L	1	E	SW-846 8260C	9/5/13	9/5/13 16:13	LBD
1,2-Dichloroethane	ND	10	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
1,2-Dichloroethane	0.73	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
1,1-Dichloroethylene	ND	10	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
cis-1,2-Dichloroethylene	ND	10	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
cis-1,2-Dichloroethylene	3.2	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
trans-1,2-Dichloroethylene	ND	20	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
1,2-Dichloropropane	ND	10	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
1,3-Dichloropropane	ND	10	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
2,2-Dichloropropane	ND	10	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
1,1-Dichloropropene	ND	10	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
cis-1,3-Dichloropropene	ND	10	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
trans-1,3-Dichloropropene	ND	10	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
Ethylbenzene	ND	10	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
Hexachlorobutadiene	ND	8.0	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
Hexachlorobutadiene	ND	0.40	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
2-Hexanone (MBK)	ND	100	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
Isopropylbenzene (Cumene)	ND	10	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
Isopropylbenzene (Cumene)	1.4	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
p-Isopropyltoluene (p-Cymene)	ND	10	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: IR New Britain | Sample Description: | Work Order: 13I0075

Date Received: 9/4/2013

Field Sample #: MW-4A | Sampled: 9/4/2013 10:56

Sample ID: 13I0075-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	10	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
Methylene Chloride	ND	100	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
4-Methyl-2-pentanone (MIBK)	ND	100	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
Naphthalene	ND	40	µg/L	20	V-05	SW-846 8260C	9/6/13	9/6/13 15:14	LBD
Naphthalene	3.8	2.0	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
n-Propylbenzene	ND	20	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
Styrene	ND	20	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
1,1,1,2-Tetrachloroethane	ND	10	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
1,1,2,2-Tetrachloroethane	ND	10	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
Tetrachloroethylene	ND	20	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
Tetrachloroethylene	3.9	1.0	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
Tetrahydrofuran	ND	200	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
Toluene	ND	20	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
1,2,3-Trichlorobenzene	ND	20	µg/L	20	V-05	SW-846 8260C	9/6/13	9/6/13 15:14	LBD
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
1,2,4-Trichlorobenzene	ND	20	µg/L	20	V-05	SW-846 8260C	9/6/13	9/6/13 15:14	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
1,1,1-Trichloroethane	22	10	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
1,1,1-Trichloroethane	34	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
1,1,2-Trichloroethane	ND	10	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
Trichloroethylene	ND	20	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
Trichloroethylene	3.9	1.0	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
Trichlorofluoromethane (Freon 11)	ND	40	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
1,2,3-Trichloropropane	ND	10	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	13	10	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	19	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
1,2,4-Trimethylbenzene	ND	10	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
1,3,5-Trimethylbenzene	ND	10	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
Vinyl Chloride	ND	20	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: IR New Britain | Sample Description: | Work Order: 13I0075

Date Received: 9/4/2013

Field Sample #: MW-4A | Sampled: 9/4/2013 10:56

Sample ID: 13I0075-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Vinyl Chloride	12	1.0	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
m+p Xylene	ND	40	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD
o-Xylene	ND	20	µg/L	20		SW-846 8260C	9/6/13	9/6/13 15:14	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	9/5/13	9/5/13 16:13	LBD

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	93.6	70-130		9/6/13 15:14
1,2-Dichloroethane-d4	97.4	70-130		9/5/13 16:13
Toluene-d8	97.5	70-130		9/6/13 15:14
Toluene-d8	98.4	70-130		9/5/13 16:13
4-Bromofluorobenzene	95.8	70-130		9/6/13 15:14
4-Bromofluorobenzene	98.6	70-130		9/5/13 16:13

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: IR New Britain | Sample Description: | Work Order: 13I0075

Date Received: 9/4/2013

Field Sample #: TB | Sampled: 9/4/2013 07:30

Sample ID: 13I0075-02

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	5.0	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
Hexachlorobutadiene	ND	0.40	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD

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Project Location: IR New Britain | Sample Description: | Work Order: 13I0075

Date Received: 9/4/2013

Field Sample #: TB | Sampled: 9/4/2013 07:30

Sample ID: 13I0075-02

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	9/5/13	9/5/13 14:40	LBD

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	96.5	70-130		9/5/13 14:40
Toluene-d8	98.5	70-130		9/5/13 14:40
4-Bromofluorobenzene	95.2	70-130		9/5/13 14:40

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Sample Extraction Data

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
13I0075-01 [MW-4A]	B080176	5	5.00	09/05/13
13I0075-02 [TB]	B080176	5	5.00	09/05/13

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
13I0075-01RE1 [MW-4A]	B080238	0.25	5.00	09/06/13

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B080176 - SW-846 5030B										
Blank (B080176-BLK1)				Prepared & Analyzed: 09/05/13						
Acetone	ND	5.0	µg/L							
Acrylonitrile	ND	2.0	µg/L							
Benzene	ND	0.50	µg/L							
Bromobenzene	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	0.50	µg/L							
Bromomethane	ND	1.0	µg/L							
2-Butanone (MEK)	ND	5.0	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Chloromethane	ND	2.0	µg/L							
2-Chlorotoluene	ND	0.50	µg/L							
4-Chlorotoluene	ND	0.50	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	0.50	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Hexachlorobutadiene	ND	0.40	µg/L							
2-Hexanone (MBK)	ND	5.0	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L							
Naphthalene	ND	2.0	µg/L							
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B080176 - SW-846 5030B										
Blank (B080176-BLK1)				Prepared & Analyzed: 09/05/13						
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	10	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	1.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	0.50	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L							
1,2,4-Trimethylbenzene	ND	0.50	µg/L							
1,3,5-Trimethylbenzene	ND	0.50	µg/L							
Vinyl Chloride	ND	1.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	*24.0*		µg/L	25.0		96.0	70-130			
Surrogate: Toluene-d8	*24.5*		µg/L	25.0		98.2	70-130			
Surrogate: 4-Bromofluorobenzene	*24.1*		µg/L	25.0		96.3	70-130			
LCS (B080176-BS1)				Prepared & Analyzed: 09/05/13						
Acetone	107	5.0	µg/L	100		107	70-130			
Acrylonitrile	9.54	2.0	µg/L	10.0		95.4	70-130			
Benzene	10.4	0.50	µg/L	10.0		104	70-130			
Bromobenzene	10.2	0.50	µg/L	10.0		102	70-130			
Bromodichloromethane	9.90	0.50	µg/L	10.0		99.0	70-130			
Bromoform	8.13	0.50	µg/L	10.0		81.3	70-130			
Bromomethane	11.9	1.0	µg/L	10.0		119	70-130			
2-Butanone (MEK)	94.0	5.0	µg/L	100		94.0	70-130			
n-Butylbenzene	11.4	1.0	µg/L	10.0		114	70-130			
sec-Butylbenzene	11.1	1.0	µg/L	10.0		111	70-130			
tert-Butylbenzene	10.8	1.0	µg/L	10.0		108	70-130			
Carbon Disulfide	119	5.0	µg/L	100		119	70-130			
Carbon Tetrachloride	9.97	0.50	µg/L	10.0		99.7	70-130			
Chlorobenzene	10.4	0.50	µg/L	10.0		104	70-130			
Chlorodibromomethane	8.74	0.50	µg/L	10.0		87.4	70-130			
Chloroethane	10.3	0.50	µg/L	10.0		103	70-130			
Chloroform	10.1	0.50	µg/L	10.0		101	70-130			
Chloromethane	10.5	2.0	µg/L	10.0		105	70-130			
2-Chlorotoluene	10.5	0.50	µg/L	10.0		105	70-130			
4-Chlorotoluene	10.8	0.50	µg/L	10.0		108	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	7.25	2.0	µg/L	10.0		72.5	70-130			
1,2-Dibromoethane (EDB)	10.1	0.50	µg/L	10.0		101	70-130			
Dibromomethane	10.4	0.50	µg/L	10.0		104	70-130			
1,2-Dichlorobenzene	10.4	0.50	µg/L	10.0		104	70-130			
1,3-Dichlorobenzene	10.5	0.50	µg/L	10.0		105	70-130			
1,4-Dichlorobenzene	9.93	0.50	µg/L	10.0		99.3	70-130			
trans-1,4-Dichloro-2-butene	8.72	2.0	µg/L	10.0		87.2	70-130			
Dichlorodifluoromethane (Freon 12)	8.06	0.50	µg/L	10.0		80.6	70-130			
1,1-Dichloroethane	9.53	0.50	µg/L	10.0		95.3	70-130			
1,2-Dichloroethane	10.1	0.50	µg/L	10.0		101	70-130			
1,1-Dichloroethylene	10.8	0.50	µg/L	10.0		108	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B080176 - SW-846 5030B											
LCS (B080176-BS1)				Prepared & Analyzed: 09/05/13							
cis-1,2-Dichloroethylene	10.4	0.50	µg/L	10.0		104		70-130			
trans-1,2-Dichloroethylene	10.6	1.0	µg/L	10.0		106		70-130			
1,2-Dichloropropane	10.3	0.50	µg/L	10.0		103		70-130			
1,3-Dichloropropane	10.2	0.50	µg/L	10.0		102		70-130			
2,2-Dichloropropane	11.3	0.50	µg/L	10.0		113		70-130			
1,1-Dichloropropene	10.2	0.50	µg/L	10.0		102		70-130			
cis-1,3-Dichloropropene	10.9	0.50	µg/L	10.0		109		70-130			
trans-1,3-Dichloropropene	12.6	0.50	µg/L	10.0		126		70-130			
Ethylbenzene	10.6	0.50	µg/L	10.0		106		70-130			
Hexachlorobutadiene	10.5	0.40	µg/L	10.0		105		70-130			
2-Hexanone (MBK)	99.8	5.0	µg/L	100		99.8		70-130			
Isopropylbenzene (Cumene)	11.0	0.50	µg/L	10.0		110		70-130			
p-Isopropyltoluene (p-Cymene)	10.9	0.50	µg/L	10.0		109		70-130			
Methyl tert-Butyl Ether (MTBE)	10.3	0.50	µg/L	10.0		103		70-130			
Methylene Chloride	14.5	5.0	µg/L	10.0		**145**	*	70-130			L-01, V-20
4-Methyl-2-pentanone (MIBK)	96.9	5.0	µg/L	100		96.9		70-130			
Naphthalene	8.69	2.0	µg/L	10.0		86.9		70-130			
n-Propylbenzene	10.9	1.0	µg/L	10.0		109		70-130			
Styrene	10.8	1.0	µg/L	10.0		108		70-130			
1,1,1,2-Tetrachloroethane	10.5	0.50	µg/L	10.0		105		70-130			
1,1,2,2-Tetrachloroethane	9.43	0.50	µg/L	10.0		94.3		70-130			
Tetrachloroethylene	10.8	1.0	µg/L	10.0		108		70-130			
Tetrahydrofuran	9.00	10	µg/L	10.0		90.0		70-130			
Toluene	10.6	1.0	µg/L	10.0		106		70-130			
1,2,3-Trichlorobenzene	8.86	1.0	µg/L	10.0		88.6		70-130			
1,2,4-Trichlorobenzene	8.88	1.0	µg/L	10.0		88.8		70-130			
1,1,1-Trichloroethane	10.0	0.50	µg/L	10.0		100		70-130			
1,1,2-Trichloroethane	10.2	0.50	µg/L	10.0		102		70-130			
Trichloroethylene	10.4	1.0	µg/L	10.0		104		70-130			
Trichlorofluoromethane (Freon 11)	9.59	2.0	µg/L	10.0		95.9		70-130			
1,2,3-Trichloropropane	9.13	0.50	µg/L	10.0		91.3		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.7	0.50	µg/L	10.0		107		70-130			
1,2,4-Trimethylbenzene	10.9	0.50	µg/L	10.0		109		70-130			
1,3,5-Trimethylbenzene	11.2	0.50	µg/L	10.0		112		70-130			
Vinyl Chloride	10.6	1.0	µg/L	10.0		106		70-130			
m+p Xylene	21.8	2.0	µg/L	20.0		109		70-130			
o-Xylene	10.8	1.0	µg/L	10.0		108		70-130			
Surrogate: 1,2-Dichloroethane-d4	*23.2*		µg/L	25.0		92.6		70-130			
Surrogate: Toluene-d8	*25.4*		µg/L	25.0		102		70-130			
Surrogate: 4-Bromofluorobenzene	*25.0*		µg/L	25.0		100		70-130			
Batch B080238 - SW-846 5030B											
Blank (B080238-BLK1)				Prepared & Analyzed: 09/06/13							
Acetone	ND	5.0	µg/L								
Acrylonitrile	ND	2.0	µg/L								
Benzene	ND	0.50	µg/L								
Bromobenzene	ND	0.50	µg/L								
Bromodichloromethane	ND	0.50	µg/L								
Bromoform	ND	0.50	µg/L								
Bromomethane	ND	1.0	µg/L								L-03
2-Butanone (MEK)	ND	5.0	µg/L								

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B080238 - SW-846 5030B										
Blank (B080238-BLK1)				Prepared & Analyzed: 09/06/13						
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Chloromethane	ND	2.0	µg/L							
2-Chlorotoluene	ND	0.50	µg/L							
4-Chlorotoluene	ND	0.50	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L							V-05
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							L-03
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	0.50	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Hexachlorobutadiene	ND	0.40	µg/L							
2-Hexanone (MBK)	ND	5.0	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L							
Naphthalene	ND	2.0	µg/L							V-05
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	10	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	1.0	µg/L							V-05
1,2,4-Trichlorobenzene	ND	1.0	µg/L							V-05
1,1,1-Trichloroethane	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							
Trichloroethylene	ND	1.0	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B080238 - SW-846 5030B											
Blank (B080238-BLK1)				Prepared & Analyzed: 09/06/13							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L								
1,2,3-Trichloropropane	ND	0.50	µg/L								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L								
1,2,4-Trimethylbenzene	ND	0.50	µg/L								
1,3,5-Trimethylbenzene	ND	0.50	µg/L								
Vinyl Chloride	ND	1.0	µg/L								
m+p Xylene	ND	2.0	µg/L								
o-Xylene	ND	1.0	µg/L								
Surrogate: 1,2-Dichloroethane-d4	*24.4*		µg/L	25.0		97.4		70-130			
Surrogate: Toluene-d8	*25.0*		µg/L	25.0		100		70-130			
Surrogate: 4-Bromofluorobenzene	*24.0*		µg/L	25.0		95.9		70-130			
LCS (B080238-BS1)				Prepared & Analyzed: 09/06/13							
Acetone	90.9	5.0	µg/L	100		90.9		70-130			
Acrylonitrile	9.15	2.0	µg/L	10.0		91.5		70-130			
Benzene	9.96	0.50	µg/L	10.0		99.6		70-130			
Bromobenzene	9.48	0.50	µg/L	10.0		94.8		70-130			
Bromodichloromethane	9.49	0.50	µg/L	10.0		94.9		70-130			
Bromoform	7.72	0.50	µg/L	10.0		77.2		70-130			
Bromomethane	6.68	1.0	µg/L	10.0		**66.8**	*	70-130			L-03
2-Butanone (MEK)	86.9	5.0	µg/L	100		86.9		70-130			
n-Butylbenzene	10.5	1.0	µg/L	10.0		105		70-130			
sec-Butylbenzene	10.5	1.0	µg/L	10.0		105		70-130			
tert-Butylbenzene	10.0	1.0	µg/L	10.0		100		70-130			
Carbon Disulfide	10.4	5.0	µg/L	10.0		104		70-130			
Carbon Tetrachloride	9.50	0.50	µg/L	10.0		95.0		70-130			
Chlorobenzene	9.72	0.50	µg/L	10.0		97.2		70-130			
Chlorodibromomethane	8.12	0.50	µg/L	10.0		81.2		70-130			
Chloroethane	10.1	0.50	µg/L	10.0		101		70-130			
Chloroform	9.81	0.50	µg/L	10.0		98.1		70-130			
Chloromethane	8.85	2.0	µg/L	10.0		88.5		70-130			V-20
2-Chlorotoluene	9.86	0.50	µg/L	10.0		98.6		70-130			
4-Chlorotoluene	10.1	0.50	µg/L	10.0		101		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	7.34	2.0	µg/L	10.0		73.4		70-130			V-05
1,2-Dibromoethane (EDB)	9.84	0.50	µg/L	10.0		98.4		70-130			
Dibromomethane	9.71	0.50	µg/L	10.0		97.1		70-130			
1,2-Dichlorobenzene	9.51	0.50	µg/L	10.0		95.1		70-130			
1,3-Dichlorobenzene	9.75	0.50	µg/L	10.0		97.5		70-130			
1,4-Dichlorobenzene	9.66	0.50	µg/L	10.0		96.6		70-130			
trans-1,4-Dichloro-2-butene	7.61	2.0	µg/L	10.0		76.1		70-130			
Dichlorodifluoromethane (Freon 12)	5.30	0.50	µg/L	10.0		**53.0**	*	70-130			L-03
1,1-Dichloroethane	9.51	0.50	µg/L	10.0		95.1		70-130			
1,2-Dichloroethane	9.69	0.50	µg/L	10.0		96.9		70-130			
1,1-Dichloroethylene	11.0	0.50	µg/L	10.0		110		70-130			
cis-1,2-Dichloroethylene	10.2	0.50	µg/L	10.0		102		70-130			
trans-1,2-Dichloroethylene	10.6	1.0	µg/L	10.0		106		70-130			
1,2-Dichloropropane	10.2	0.50	µg/L	10.0		102		70-130			
1,3-Dichloropropane	9.80	0.50	µg/L	10.0		98.0		70-130			
2,2-Dichloropropane	10.8	0.50	µg/L	10.0		108		70-130			
1,1-Dichloropropene	10.6	0.50	µg/L	10.0		106		70-130			
cis-1,3-Dichloropropene	9.87	0.50	µg/L	10.0		98.7		70-130			
trans-1,3-Dichloropropene	12.6	0.50	µg/L	10.0		126		70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B080238 - SW-846 5030B										
LCS (B080238-BS1)				Prepared & Analyzed: 09/06/13						
Ethylbenzene	10.0	0.50	µg/L	10.0		100	70-130			
Hexachlorobutadiene	10.8	0.40	µg/L	10.0		108	70-130			
2-Hexanone (MBK)	91.4	5.0	µg/L	100		91.4	70-130			
Isopropylbenzene (Cumene)	10.4	0.50	µg/L	10.0		104	70-130			
p-Isopropyltoluene (p-Cymene)	10.3	0.50	µg/L	10.0		103	70-130			
Methyl tert-Butyl Ether (MTBE)	10.7	0.50	µg/L	10.0		107	70-130			
Methylene Chloride	12.7	5.0	µg/L	10.0		127	70-130			V-20
4-Methyl-2-pentanone (MIBK)	90.2	5.0	µg/L	100		90.2	70-130			
Naphthalene	7.75	2.0	µg/L	10.0		77.5	70-130			V-05
n-Propylbenzene	10.5	1.0	µg/L	10.0		105	70-130			
Styrene	10.4	1.0	µg/L	10.0		104	70-130			
1,1,1,2-Tetrachloroethane	10.2	0.50	µg/L	10.0		102	70-130			
1,1,2,2-Tetrachloroethane	9.41	0.50	µg/L	10.0		94.1	70-130			
Tetrachloroethylene	10.3	1.0	µg/L	10.0		103	70-130			
Tetrahydrofuran	8.70	10	µg/L	10.0		87.0	70-130			
Toluene	9.95	1.0	µg/L	10.0		99.5	70-130			
1,2,3-Trichlorobenzene	8.10	1.0	µg/L	10.0		81.0	70-130			V-05
1,2,4-Trichlorobenzene	7.81	1.0	µg/L	10.0		78.1	70-130			V-05
1,1,1-Trichloroethane	9.70	0.50	µg/L	10.0		97.0	70-130			
1,1,2-Trichloroethane	9.74	0.50	µg/L	10.0		97.4	70-130			
Trichloroethylene	9.59	1.0	µg/L	10.0		95.9	70-130			
Trichlorofluoromethane (Freon 11)	9.80	2.0	µg/L	10.0		98.0	70-130			
1,2,3-Trichloropropane	9.38	0.50	µg/L	10.0		93.8	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.0	0.50	µg/L	10.0		110	70-130			
1,2,4-Trimethylbenzene	10.3	0.50	µg/L	10.0		103	70-130			
1,3,5-Trimethylbenzene	10.4	0.50	µg/L	10.0		104	70-130			
Vinyl Chloride	8.38	1.0	µg/L	10.0		83.8	70-130			
m+p Xylene	20.8	2.0	µg/L	20.0		104	70-130			
o-Xylene	10.3	1.0	µg/L	10.0		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	*23.7*		µg/L	25.0		94.7	70-130			
Surrogate: Toluene-d8	*25.2*		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	*25.2*		µg/L	25.0		101	70-130			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
E	Reported result is estimated. Value reported over verified calibration range.
L-01	Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
L-03	Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
Acetone	CT,NH,NY,ME
Acrylonitrile	CT,NY,ME
Benzene	CT,NH,NY,ME
Bromodichloromethane	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	NY,ME
sec-Butylbenzene	NY,ME
tert-Butylbenzene	NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	NY,ME
4-Chlorotoluene	NY,ME
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
trans-1,4-Dichloro-2-butene	NH,NY,ME
Dichlorodifluoromethane (Freon 12)	NH,NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	CT,NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	NY,ME
p-Isopropyltoluene (p-Cymene)	CT,NH,NY,ME
Methyl tert-Butyl Ether (MTBE)	CT,NH,NY,ME
Methylene Chloride	CT,NH,NY,ME
4-Methyl-2-pentanone (MIBK)	CT,NH,NY,ME
Naphthalene	NH,NY,ME
n-Propylbenzene	CT,NH,NY,ME
Styrene	CT,NH,NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
1,2,3-Trichlorobenzene	NH,NY,ME
1,2,4-Trichlorobenzene	CT,NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NY
1,2,4-Trimethylbenzene	NY,ME
1,3,5-Trimethylbenzene	NY,ME
Vinyl Chloride	CT,NH,NY,ME
m+p Xylene	CT,NH,NY,ME
o-Xylene	CT,NH,NY,ME

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2014
MA	Massachusetts DEP	M-MA100	06/30/2014
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2013
NY	New York State Department of Health	10899 NELAP	04/1/2014
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2014
RI	Rhode Island Department of Health	LAO00112	12/30/2013
NC	North Carolina Div. of Water Quality	652	12/31/2013
NJ	New Jersey DEP	MA007 NELAP	06/30/2014
FL	Florida Department of Health	E871027 NELAP	06/30/2014
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2014
WA	State of Washington Department of Ecology	C2065	02/23/2014
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2013
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2012

CHAIN OF CUSTODY RECORD

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39 Spruce Street
East longmeadow, MA 01028

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13I0075 (5)

Rev 04.05.12

Company Name: HRP Associates, Inc. Telephone: 860-674-9570
Address: 197 Scott Swamp Rd Project # IN60093.GW
Farmington, CT 06032 Client PO#
Attention: Eric Boswell
Project Location: IR New Britain
Sampled By: DFH

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

DATA DELIVERY (check all that apply)
○ FAX ☒ EMAIL ☒ WEBSITE
Fax #
Email: jerry.mooney@hrpassociates.com
Format: ☒ PDF ☒ EXCEL ○ GIS
○ OTHER
○ "Enhanced Data Package"

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	# of Containers	** Preservation	***Container Code	ANALYSIS REQUESTED: 8260B VOC's	ANALYSIS REQUESTED: 8260B VOC's
01	MW-4A	9/4/13	10:56		X	GW	U	3	1	V	X	
02	TB	9/4/13	7:30		X	↓	C	1	1	V		X

***Container Code: V = vial

Dissolved Metals
○ Field Filtered
○ Lab to Filter

***Cont. Code:**
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other

****Preservation**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other _____

*Matrix Code:
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other _____

Comments: 2.5 C

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	12:15	Date/Time: 9/4/13
Received by: (signature)	12:15	Date/Time: 9/4/13
Relinquished by: (signature)	3:15	Date/Time: 9/4/13
Received by: (signature) 2.3°	9/4/13	Date/Time: 1515

Turnaround ††
☐ 7-Day
☐ 10-Day
☒ Other 5d
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut:
Other:

Is your project MCP or RCP ?
○ MCP Form Required
☒ RCP Form Required
○ MA State DW Form Required PWSID # _____

NELAC & AIHA-LAP, LLC Accredited
WBE/DBE Certified

†† TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
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Sample Receipt Checklist

CLIENT NAME: HRP Assoc Inc RECEIVED BY: JMH DATE: 9/4/13

1) **Was the chain(s) of custody relinquished and signed?** (Yes) No No CoC Included

2) **Does the chain agree with the samples?** (Yes) No
If not, explain:

3) **Are all the samples in good condition?** (Yes) No
If not, explain:

4) **How were the samples received:**
On Ice ☑ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☑

Were the samples received in Temperature Compliance of (2-6°C)? (Yes) No N/A

Temperature °C by Temp blank _____ Temperature °C by Temp gun 2.3°

5) **Are there Dissolved samples for the lab to filter?** Yes (No)
Who was notified _____ Date _____ Time _____

6) **Are there any RUSH or SHORT HOLDING TIME samples?** Yes (No)
Who was notified _____ Date _____ Time _____

7) **Location where samples are stored:** 19

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: _____

8) **Do all samples have the proper Acid pH:** Yes No (N/A) _____

9) **Do all samples have the proper Base pH:** Yes No (N/A) _____

10) **Was the PC notified of any discrepancies with the CoC vs the samples:** Yes No (N/A)

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Plastic Bag / Ziploc	
500 mL Plastic		SOC Kit	
250 mL plastic		Non-ConTest Container	
40 mL Vial - type listed below	5	Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

Laboratory Comments:

40 mL vials: # HCl 5 # Methanol _____
Bisulfate _____ # DI Water _____
Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)

Any False statement will be brought to the attention of Client

Question	Answer (True/False) T/F/NA	Comment
1) The cooler's custody seal, if present, is intact.	NA	
2) The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	T	
4) Cooler Temperature is acceptable.	T	
5) Cooler Temperature is recorded.	T	
6) COC is filled out in ink and legible.	T	
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	
9) There are no discrepancies between the sample IDs on the container and the COC.	T	
10) Samples are received within Holding Time.	T	
11) Sample containers have legible labels.	T	
12) Containers are not broken or leaking.	T	
13) Air Cassettes are not broken/open.	NA	
14) Sample collection date/times are provided.	T	
15) Appropriate sample containers are used.	T	
16) Proper collection media used.	T	
17) No headspace sample bottles are completely filled.	T	
18) There is sufficient volume for all requsted analyses, including any requested MS/MSDs.	T	
19) Trip blanks provided if applicable.	T	
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	T	
21) Samples do not require splitting or compositing.	T	

Who notified of False statements? **Date/Time:**

Doc #277 Rev. 4 August 2013 **Log-In Technician Initials:** JMH **Date/Time:** 9/4/13 1515

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: HRP Associates, Inc. (Private)

Project Location: IR New Britain

Project Number: 13I0075

Laboratory Sample ID(s):

13I0075-01 thru 13I0075-02

Sample Date(s):

09/04/2013

List RCP Methods Used:

SW-846 8260C

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 CTDEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	☐ Yes ☐ No ☑ 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 ☐ No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	☐ Yes ☑ No
5A	Were reporting limits specified or referenced on the chain-of-custody?	☐ Yes ☑ No
5B	Were these reporting limits met?	☐ Yes ☐ 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 ☐ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☐ Yes ☑ No

Notes: 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 #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."
This form may not be altered and all questions must be answered.

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.

Authorized Signature:  **Position:** Laboratory Manager

Printed Name: Daren J. Damboragian **Date:** 09/10/13

Name of Laboratory: Con-Test Analytical Laboratory

This certification form is to be used for RCP methods only.

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ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

December 13, 2012

Stefanie Kreipovich
HRP Associates, Inc. (Private)
197 Scott Swamp Road
Farmington, CT 06032

Project Location: FR New Britain
Client Job Number:
Project Number: ING0085.GW
Laboratory Work Order Number: 12L0197

Enclosed are results of analyses for samples received by the laboratory on December 6, 2012. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa A. Worthington
Project Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

HRP Associates, Inc. (Private)
197 Scott Swamp Road
Farmington, CT 06032
ATTN: Stefanie Kreipovich

REPORT DATE: 12/13/2012

PURCHASE ORDER NUMBER: S-CT-01131

PROJECT NUMBER: ING0085.GW

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12L0197

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: FR New Britain

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-4A	12L0197-01	Ground Water	Monitor Well	SW-846 8260C	
TB	12L0197-02	Trip Blank Water	Trip Blank	SW-846 8260C	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8260C

Qualifications:

Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Bromomethane

12L0197-02[TB], B064219-BS1

SW-846 8260C

All water reporting limits specified on the chain-of-custody were met except for Acrylonitrile, where the most protective criteria are not met since the laboratory cannot achieve the required RCP calibration criteria at these levels, unless otherwise listed in this narrative.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Michael A. Erickson
Laboratory Director

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: FR New Britain | Sample Description: Monitor Well | Work Order: 12L0197

Date Received: 12/6/2012

Field Sample #: MW-4A | Sampled: 12/5/2012 09:30

Sample ID: 12L0197-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	5.0	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
Benzene	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
Bromomethane	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
Carbon Tetrachloride	ND	1.0	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
Chloroethane	18	0.50	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
Chloromethane	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
Dichlorodifluoromethane (Freon 12)	4.6	0.50	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
1,1-Dichloroethane	75	0.50	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
cis-1,2-Dichloroethylene	0.82	0.50	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
Hexachlorobutadiene	ND	0.40	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: FR New Britain | Sample Description: Monitor Well | Work Order: 12L0197

Date Received: 12/6/2012

Field Sample #: MW-4A | Sampled: 12/5/2012 09:30

Sample ID: 12L0197-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
Naphthalene	ND	5.0	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
1,1,1-Trichloroethane	16	0.50	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1.9	0.50	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
Vinyl Chloride	18	1.0	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	12/7/12	12/10/12 12:38	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	102	70-130		12/10/12 12:38
Toluene-d8	98.2	70-130		12/10/12 12:38
4-Bromofluorobenzene	99.2	70-130		12/10/12 12:38

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: FR New Britain | Sample Description: Trip Blank | Work Order: 12L0197

Date Received: 12/6/2012

Field Sample #: TB | Sampled: 12/5/2012 07:00

Sample ID: 12L0197-02

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	5.0	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
Benzene	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
Bromomethane	ND	0.50	µg/L	1	V-20	SW-846 8260C	12/7/12	12/7/12 12:04	MFF
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
Carbon Tetrachloride	ND	1.0	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
Chloroform	0.76	0.50	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
Chloromethane	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
Hexachlorobutadiene	ND	0.40	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF

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Project Location: FR New Britain | Sample Description: Trip Blank | Work Order: 12L0197

Date Received: 12/6/2012

Field Sample #: TB | Sampled: 12/5/2012 07:00

Sample ID: 12L0197-02

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
Naphthalene	ND	5.0	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	12/7/12	12/7/12 12:04	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	102	70-130		12/7/12 12:04
Toluene-d8	99.4	70-130		12/7/12 12:04
4-Bromofluorobenzene	96.6	70-130		12/7/12 12:04

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Sample Extraction Data

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
12L0197-01 [MW-4A]	B064219	5	5.00	12/07/12

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
12L0197-02 [TB]	B064304	5	5.00	12/07/12

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B064219 - SW-846 5030B										
Blank (B064219-BLK1)				Prepared: 12/07/12 Analyzed: 12/10/12						
Acetone	ND	5.0	µg/L							
Acrylonitrile	ND	2.0	µg/L							
Benzene	ND	0.50	µg/L							
Bromobenzene	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	0.50	µg/L							
Bromomethane	ND	0.50	µg/L							
2-Butanone (MEK)	ND	5.0	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	1.0	µg/L							
Chlorobenzene	ND	0.50	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Chloromethane	ND	0.50	µg/L							
2-Chlorotoluene	ND	0.50	µg/L							
4-Chlorotoluene	ND	0.50	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	0.50	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Hexachlorobutadiene	ND	0.40	µg/L							
2-Hexanone (MBK)	ND	5.0	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L							
Naphthalene	ND	5.0	µg/L							
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B064219 - SW-846 5030B										
Blank (B064219-BLK1)				Prepared: 12/07/12 Analyzed: 12/10/12						
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	10	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	5.0	µg/L							
1,1,1-Trichloroethane	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	0.50	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L							
1,2,4-Trimethylbenzene	ND	0.50	µg/L							
1,3,5-Trimethylbenzene	ND	0.50	µg/L							
Vinyl Chloride	ND	1.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	*24.1*		µg/L	25.0		96.4	70-130			
Surrogate: Toluene-d8	*24.6*		µg/L	25.0		98.2	70-130			
Surrogate: 4-Bromofluorobenzene	*24.8*		µg/L	25.0		99.4	70-130			
LCS (B064219-BS1)				Prepared: 12/07/12 Analyzed: 12/10/12						
Acetone	103	5.0	µg/L	100		103	70-130			
Acrylonitrile	10.2	2.0	µg/L	10.0		102	70-130			
Benzene	10.0	0.50	µg/L	10.0		100	70-130			
Bromobenzene	10.2	0.50	µg/L	10.0		102	70-130			
Bromodichloromethane	9.65	0.50	µg/L	10.0		96.5	70-130			
Bromoform	9.15	0.50	µg/L	10.0		91.5	70-130			
Bromomethane	10.8	0.50	µg/L	10.0		108	70-130			V-20
2-Butanone (MEK)	102	5.0	µg/L	100		102	70-130			
n-Butylbenzene	8.86	1.0	µg/L	10.0		88.6	70-130			
sec-Butylbenzene	10.5	1.0	µg/L	10.0		105	70-130			
tert-Butylbenzene	10.2	1.0	µg/L	10.0		102	70-130			
Carbon Disulfide	114	5.0	µg/L	100		114	70-130			
Carbon Tetrachloride	9.97	1.0	µg/L	10.0		99.7	70-130			
Chlorobenzene	10.2	0.50	µg/L	10.0		102	70-130			
Chlorodibromomethane	8.57	0.50	µg/L	10.0		85.7	70-130			
Chloroethane	10.2	0.50	µg/L	10.0		102	70-130			
Chloroform	9.82	0.50	µg/L	10.0		98.2	70-130			
Chloromethane	9.19	0.50	µg/L	10.0		91.9	70-130			
2-Chlorotoluene	10.2	0.50	µg/L	10.0		102	70-130			
4-Chlorotoluene	10.6	0.50	µg/L	10.0		106	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	8.87	1.0	µg/L	10.0		88.7	70-130			
1,2-Dibromoethane (EDB)	10.3	0.50	µg/L	10.0		103	70-130			
Dibromomethane	10.0	0.50	µg/L	10.0		100	70-130			
1,2-Dichlorobenzene	10.2	0.50	µg/L	10.0		102	70-130			
1,3-Dichlorobenzene	9.98	0.50	µg/L	10.0		99.8	70-130			
1,4-Dichlorobenzene	9.52	0.50	µg/L	10.0		95.2	70-130			
trans-1,4-Dichloro-2-butene	9.97	2.0	µg/L	10.0		99.7	70-130			
Dichlorodifluoromethane (Freon 12)	9.70	0.50	µg/L	10.0		97.0	70-130			
1,1-Dichloroethane	10.1	0.50	µg/L	10.0		101	70-130			
1,2-Dichloroethane	9.40	0.50	µg/L	10.0		94.0	70-130			
1,1-Dichloroethylene	11.0	0.50	µg/L	10.0		110	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B064219 - SW-846 5030B										
LCS (B064219-BS1)				Prepared: 12/07/12 Analyzed: 12/10/12						
cis-1,2-Dichloroethylene	10.2	0.50	µg/L	10.0		102	70-130			
trans-1,2-Dichloroethylene	10.2	1.0	µg/L	10.0		102	70-130			
1,2-Dichloropropane	10.2	0.50	µg/L	10.0		102	70-130			
1,3-Dichloropropane	9.92	0.50	µg/L	10.0		99.2	70-130			
2,2-Dichloropropane	11.6	0.50	µg/L	10.0		116	70-130			
1,1-Dichloropropene	10.5	0.50	µg/L	10.0		105	70-130			
cis-1,3-Dichloropropene	9.01	0.50	µg/L	10.0		90.1	70-130			
trans-1,3-Dichloropropene	8.94	0.50	µg/L	10.0		89.4	70-130			
Ethylbenzene	10.4	0.50	µg/L	10.0		104	70-130			
Hexachlorobutadiene	9.26	0.40	µg/L	10.0		92.6	70-130			
2-Hexanone (MBK)	111	5.0	µg/L	100		111	70-130			
Isopropylbenzene (Cumene)	10.9	0.50	µg/L	10.0		109	70-130			
p-Isopropyltoluene (p-Cymene)	10.2	0.50	µg/L	10.0		102	70-130			
Methyl tert-Butyl Ether (MTBE)	9.93	0.50	µg/L	10.0		99.3	70-130			
Methylene Chloride	9.06	5.0	µg/L	10.0		90.6	70-130			
4-Methyl-2-pentanone (MIBK)	108	5.0	µg/L	100		108	70-130			
Naphthalene	10.2	5.0	µg/L	10.0		102	70-130			
n-Propylbenzene	10.6	1.0	µg/L	10.0		106	70-130			
Styrene	10.6	1.0	µg/L	10.0		106	70-130			
1,1,1,2-Tetrachloroethane	9.93	0.50	µg/L	10.0		99.3	70-130			
1,1,2,2-Tetrachloroethane	10.5	0.50	µg/L	10.0		105	70-130			
Tetrachloroethylene	10.3	1.0	µg/L	10.0		103	70-130			
Tetrahydrofuran	10.6	10	µg/L	10.0		106	70-130			
Toluene	10.2	1.0	µg/L	10.0		102	70-130			
1,2,3-Trichlorobenzene	10.2	5.0	µg/L	10.0		102	70-130			
1,2,4-Trichlorobenzene	10.2	5.0	µg/L	10.0		102	70-130			
1,1,1-Trichloroethane	10.2	0.50	µg/L	10.0		102	70-130			
1,1,2-Trichloroethane	9.60	0.50	µg/L	10.0		96.0	70-130			
Trichloroethylene	10.1	1.0	µg/L	10.0		101	70-130			
Trichlorofluoromethane (Freon 11)	11.1	2.0	µg/L	10.0		111	70-130			
1,2,3-Trichloropropane	10.9	0.50	µg/L	10.0		109	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.0	0.50	µg/L	10.0		120	70-130			
1,2,4-Trimethylbenzene	10.2	0.50	µg/L	10.0		102	70-130			
1,3,5-Trimethylbenzene	10.5	0.50	µg/L	10.0		105	70-130			
Vinyl Chloride	10.4	1.0	µg/L	10.0		104	70-130			
m+p Xylene	21.5	2.0	µg/L	20.0		107	70-130			
o-Xylene	10.6	1.0	µg/L	10.0		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	*23.8*		µg/L	25.0		95.3	70-130			
Surrogate: Toluene-d8	*24.8*		µg/L	25.0		99.3	70-130			
Surrogate: 4-Bromofluorobenzene	*25.8*		µg/L	25.0		103	70-130			
Batch B064304 - SW-846 5030B										
Blank (B064304-BLK1)				Prepared & Analyzed: 12/07/12						
Acetone	ND	5.0	µg/L							
Acrylonitrile	ND	2.0	µg/L							
Benzene	ND	0.50	µg/L							
Bromobenzene	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	0.50	µg/L							
Bromomethane	ND	0.50	µg/L							
2-Butanone (MEK)	ND	5.0	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B064304 - SW-846 5030B										
Blank (B064304-BLK1)				Prepared & Analyzed: 12/07/12						
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	1.0	µg/L							
Chlorobenzene	ND	0.50	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Chloromethane	ND	0.50	µg/L							
2-Chlorotoluene	ND	0.50	µg/L							
4-Chlorotoluene	ND	0.50	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	0.50	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Hexachlorobutadiene	ND	0.40	µg/L							
2-Hexanone (MBK)	ND	5.0	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L							
Naphthalene	ND	5.0	µg/L							
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	10	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	5.0	µg/L							
1,1,1-Trichloroethane	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							
Trichloroethylene	ND	1.0	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B064304 - SW-846 5030B										
Blank (B064304-BLK1)				Prepared & Analyzed: 12/07/12						
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	0.50	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L							
1,2,4-Trimethylbenzene	ND	0.50	µg/L							
1,3,5-Trimethylbenzene	ND	0.50	µg/L							
Vinyl Chloride	ND	1.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	*25.2*		µg/L	25.0		101	70-130			
Surrogate: Toluene-d8	*24.5*		µg/L	25.0		98.0	70-130			
Surrogate: 4-Bromofluorobenzene	*24.4*		µg/L	25.0		97.8	70-130			
LCS (B064304-BS1)				Prepared & Analyzed: 12/07/12						
Acetone	104	5.0	µg/L	100		104	70-130			
Acrylonitrile	10.2	2.0	µg/L	10.0		102	70-130			
Benzene	10.2	0.50	µg/L	10.0		102	70-130			
Bromobenzene	10.4	0.50	µg/L	10.0		104	70-130			
Bromodichloromethane	9.75	0.50	µg/L	10.0		97.5	70-130			
Bromoform	8.63	0.50	µg/L	10.0		86.3	70-130			
Bromomethane	11.7	0.50	µg/L	10.0		117	70-130			
2-Butanone (MEK)	101	5.0	µg/L	100		101	70-130			
n-Butylbenzene	9.76	1.0	µg/L	10.0		97.6	70-130			
sec-Butylbenzene	11.2	1.0	µg/L	10.0		112	70-130			
tert-Butylbenzene	10.8	1.0	µg/L	10.0		108	70-130			
Carbon Disulfide	116	5.0	µg/L	100		116	70-130			
Carbon Tetrachloride	10.3	1.0	µg/L	10.0		103	70-130			
Chlorobenzene	9.85	0.50	µg/L	10.0		98.5	70-130			
Chlorodibromomethane	8.81	0.50	µg/L	10.0		88.1	70-130			
Chloroethane	10.1	0.50	µg/L	10.0		101	70-130			
Chloroform	10.2	0.50	µg/L	10.0		102	70-130			
Chloromethane	9.79	0.50	µg/L	10.0		97.9	70-130			
2-Chlorotoluene	10.4	0.50	µg/L	10.0		104	70-130			
4-Chlorotoluene	10.7	0.50	µg/L	10.0		107	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	9.43	1.0	µg/L	10.0		94.3	70-130			
1,2-Dibromoethane (EDB)	10.6	0.50	µg/L	10.0		106	70-130			
Dibromomethane	10.5	0.50	µg/L	10.0		105	70-130			
1,2-Dichlorobenzene	10.8	0.50	µg/L	10.0		108	70-130			
1,3-Dichlorobenzene	10.6	0.50	µg/L	10.0		106	70-130			
1,4-Dichlorobenzene	10.2	0.50	µg/L	10.0		102	70-130			
trans-1,4-Dichloro-2-butene	9.31	2.0	µg/L	10.0		93.1	70-130			
Dichlorodifluoromethane (Freon 12)	12.1	0.50	µg/L	10.0		121	70-130			
1,1-Dichloroethane	10.1	0.50	µg/L	10.0		101	70-130			
1,2-Dichloroethane	10.2	0.50	µg/L	10.0		102	70-130			
1,1-Dichloroethylene	11.1	0.50	µg/L	10.0		111	70-130			
cis-1,2-Dichloroethylene	10.5	0.50	µg/L	10.0		105	70-130			
trans-1,2-Dichloroethylene	10.3	1.0	µg/L	10.0		103	70-130			
1,2-Dichloropropane	10.0	0.50	µg/L	10.0		100	70-130			
1,3-Dichloropropane	10.3	0.50	µg/L	10.0		103	70-130			
2,2-Dichloropropane	11.7	0.50	µg/L	10.0		117	70-130			
1,1-Dichloropropene	11.1	0.50	µg/L	10.0		111	70-130			
cis-1,3-Dichloropropene	9.03	0.50	µg/L	10.0		90.3	70-130			
trans-1,3-Dichloropropene	8.87	0.50	µg/L	10.0		88.7	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B064304 - SW-846 5030B										
LCS (B064304-BS1)				Prepared & Analyzed: 12/07/12						
Ethylbenzene	10.5	0.50	µg/L	10.0		105	70-130			
Hexachlorobutadiene	10.0	0.40	µg/L	10.0		100	70-130			
2-Hexanone (MBK)	114	5.0	µg/L	100		114	70-130			
Isopropylbenzene (Cumene)	10.9	0.50	µg/L	10.0		109	70-130			
p-Isopropyltoluene (p-Cymene)	11.0	0.50	µg/L	10.0		110	70-130			
Methyl tert-Butyl Ether (MTBE)	9.99	0.50	µg/L	10.0		99.9	70-130			
Methylene Chloride	9.14	5.0	µg/L	10.0		91.4	70-130			
4-Methyl-2-pentanone (MIBK)	111	5.0	µg/L	100		111	70-130			
Naphthalene	10.2	5.0	µg/L	10.0		102	70-130			
n-Propylbenzene	10.7	1.0	µg/L	10.0		107	70-130			
Styrene	10.4	1.0	µg/L	10.0		104	70-130			
1,1,1,2-Tetrachloroethane	9.72	0.50	µg/L	10.0		97.2	70-130			
1,1,2,2-Tetrachloroethane	10.5	0.50	µg/L	10.0		105	70-130			
Tetrachloroethylene	10.9	1.0	µg/L	10.0		109	70-130			
Tetrahydrofuran	10.5	10	µg/L	10.0		105	70-130			
Toluene	10.4	1.0	µg/L	10.0		104	70-130			
1,2,3-Trichlorobenzene	9.97	5.0	µg/L	10.0		99.7	70-130			
1,2,4-Trichlorobenzene	10.0	5.0	µg/L	10.0		100	70-130			
1,1,1-Trichloroethane	10.4	0.50	µg/L	10.0		104	70-130			
1,1,2-Trichloroethane	10.0	0.50	µg/L	10.0		100	70-130			
Trichloroethylene	10.3	1.0	µg/L	10.0		103	70-130			
Trichlorofluoromethane (Freon 11)	12.1	2.0	µg/L	10.0		121	70-130			
1,2,3-Trichloropropane	10.6	0.50	µg/L	10.0		106	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.4	0.50	µg/L	10.0		124	70-130			
1,2,4-Trimethylbenzene	11.0	0.50	µg/L	10.0		110	70-130			
1,3,5-Trimethylbenzene	10.8	0.50	µg/L	10.0		108	70-130			
Vinyl Chloride	10.6	1.0	µg/L	10.0		106	70-130			
m+p Xylene	21.7	2.0	µg/L	20.0		109	70-130			
o-Xylene	10.7	1.0	µg/L	10.0		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	*25.2*		µg/L	25.0		101	70-130			
Surrogate: Toluene-d8	*25.1*		µg/L	25.0		100	70-130			
Surrogate: 4-Bromofluorobenzene	*25.1*		µg/L	25.0		100	70-130			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
Acetone	CT,NH,NY,ME
Acrylonitrile	CT,NY,ME,RI
Benzene	CT,NH,NY,ME,RI
Bromodichloromethane	CT,NH,NY,ME,RI
Bromoform	CT,NH,NY,ME,RI
Bromomethane	CT,NH,NY,ME,RI
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	NY,ME
sec-Butylbenzene	NY,ME
tert-Butylbenzene	NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME,RI
Chlorobenzene	CT,NH,NY,ME,RI
Chlorodibromomethane	CT,NH,NY,ME,RI
Chloroethane	CT,NH,NY,ME,RI
Chloroform	CT,NH,NY,ME,RI
Chloromethane	CT,NH,NY,ME,RI
2-Chlorotoluene	NY,ME
4-Chlorotoluene	NY,ME
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NY,ME,RI
1,3-Dichlorobenzene	CT,NH,NY,ME,RI
1,4-Dichlorobenzene	CT,NH,NY,ME,RI
trans-1,4-Dichloro-2-butene	NH,NY,ME
Dichlorodifluoromethane (Freon 12)	NH,NY,ME,RI
1,1-Dichloroethane	CT,NH,NY,ME,RI
1,2-Dichloroethane	CT,NH,NY,ME,RI
1,1-Dichloroethylene	CT,NH,NY,ME,RI
cis-1,2-Dichloroethylene	NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME,RI
1,2-Dichloropropane	CT,NH,NY,ME,RI
1,3-Dichloropropane	NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME,RI
trans-1,3-Dichloropropene	CT,NH,NY,ME,RI
Ethylbenzene	CT,NH,NY,ME,RI
Hexachlorobutadiene	CT,NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	NY,ME
p-Isopropyltoluene (p-Cymene)	CT,NH,NY,ME
Methyl tert-Butyl Ether (MTBE)	CT,NH,NY,ME
Methylene Chloride	CT,NH,NY,ME,RI
4-Methyl-2-pentanone (MIBK)	CT,NH,NY,ME
Naphthalene	NH,NY,ME
n-Propylbenzene	CT,NH,NY,ME
Styrene	CT,NH,NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME,RI
Tetrachloroethylene	CT,NH,NY,ME,RI
Toluene	CT,NH,NY,ME,RI
1,2,3-Trichlorobenzene	NH,NY,ME
1,2,4-Trichlorobenzene	CT,NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME,RI
1,1,2-Trichloroethane	CT,NH,NY,ME,RI
Trichloroethylene	CT,NH,NY,ME,RI
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME,RI
1,2,3-Trichloropropane	NH,NY,ME
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NY
1,2,4-Trimethylbenzene	NY,ME
1,3,5-Trimethylbenzene	NY,ME
Vinyl Chloride	CT,NH,NY,ME,RI
m+p Xylene	CT,NH,NY,ME,RI
o-Xylene	CT,NH,NY,ME,RI

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2014
MA	Massachusetts DEP	M-MA100	06/30/2013
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2013
NY	New York State Department of Health	10899 NELAP	04/1/2013
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2013
RI	Rhode Island Department of Health	LAO00112	12/30/2012
NC	North Carolina Div. of Water Quality	652	12/31/2012
NJ	New Jersey DEP	MA007 NELAP	06/30/2013
FL	Florida Department of Health	E871027 NELAP	06/30/2013
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2013
WA	State of Washington Department of Ecology	C2065	02/23/2013
ME	State of Maine	2011028	06/9/2013
VA	Commonwealth of Virginia	460217	12/14/2013
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2012

con-test ANALYTICAL LABORATORY
Phone: 413-525-2332
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www.contestlabs.com
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East longmeadow, MA 01028

(5)

CHAIN OF CUSTODY RECORD

12L-0197

Rev 04.05.12

Page 1 of 1

Company Name: HRP Assoc Inc
Address: 197 Scott Swamp Rd
Farmington CT 06032
Attention: Stefanie Kalpovich
Project Location: ER New Britain
Sampled By: KC

Telephone: 860-674-9570
Project #: FWG0085.6W T-3
Client PO#:

DATA DELIVERY (check all that apply)
FAX EMAIL WEBSITE
Fax #: Std
Email:
Format: PDF EXCEL GIS
OTHER
"Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
yes Bid # 1110-14 proposal date

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Cont. Code	# of Containers	** Preservation	***Container Code
01	MW-4A monitor well	12-5-12	9:30		X	GW	A	3	HJ	V
02	TB trip blank	↓	7:00		↓	↓	C			

ANALYSIS REQUESTED: VOC's 8260

Dissolved Meta
○ Field Filtered
○ Lab to Filter

***Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other

**Preservation
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulf
X = Na hydroxide
T = Na thiosulfate
O = Other

*Matrix Code:
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other

Comments: TB only 2 vials 1.8 e

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	12 55	Date/Time: 12/6/12
Received by: (signature)	12 55	Date/Time: 12/6/12
Relinquished by: (signature)	3 00	Date/Time: 12/6/12
Received by: (signature)	4.1 C	Date/Time: 12/6/12 15:00

Turnaround ††
☐ 7-Day
☐ 10-Day
☒ Other 5
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut: RSR standards Surf + Residential Vc
Other:

Is your project MCP or RCP ?
○ MCP Form Required
☒ RCP Form Required
○ MA State DW Form Required PWSID # _____

NELAC & AIHA-LAP, LLC Accredited
WBE/DBE Certified

†† TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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East Longmeadow, MA. 01028
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F: 413-525-6405
www.contestlabs.com

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Sample Receipt Checklist

CLIENT NAME: HRP **RECEIVED BY:** KKM **DATE:** 12/6/12

1) **Was the chain(s) of custody relinquished and signed?** (Yes) No No CoC Included

2) **Does the chain agree with the samples?** (Yes) No

If not, explain:

3) **Are all the samples in good condition?** (Yes) No

If not, explain:

4) **How were the samples received:**

On Ice ☑ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☑

Were the samples received in Temperature Compliance of (2-6°C)? (Yes) No N/A

Temperature °C by Temp blank _____ Temperature °C by Temp gun 4.1

5) **Are there Dissolved samples for the lab to filter?** Yes (No)

Who was notified _____ Date _____ Time _____

6) **Are there any RUSH or SHORT HOLDING TIME samples?** Yes (No)

Who was notified _____ Date _____ Time _____

7) **Location where samples are stored:** 19

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: _____

8) **Do all samples have the proper Acid pH:** Yes No (N/A) _____

9) **Do all samples have the proper Base pH:** Yes No (N/A) _____

10) **Was the PC notified of any discrepancies with the CoC vs the samples:** Yes No N/A

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Air Cassette	
500 mL Plastic		Hg/Hopcalite Tube	
250 mL plastic		Plastic Bag / Ziploc	
40 mL Vial - type listed below	5	PM 2.5 / PM 10	
Colisure / bacteria bottle		PUF Cartridge	
Dissolved Oxygen bottle		SOC Kit	
Encore		TO-17 Tubes	
Flashpoint bottle		Non-ConTest Container	
Perchlorate Kit		Other glass jar	
Other		Other	

Laboratory Comments:

40 mL vials: # HCl 5 # Methanol _____ **Time and Date Frozen:**

Bisulfate _____ # DI Water _____

Thiosulfate _____ Unpreserved

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: HRP Associates, Inc. (Private)

Project Location: FR New Britain

Project Number: 12L0197

Laboratory Sample ID(s):

12L0197-01 thru 12L0197-02

Sample Date(s):

12/05/2012

List RCP Methods Used:

SW-846 8260C

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 CTDEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	☐ Yes ☐ No ☑ 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 ☐ No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	☐ Yes ☑ No
5A	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5B	Were these reporting limits met?	☑ Yes ☐ 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 ☐ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☐ Yes ☑ No

Notes: 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 #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."
This form may not be altered and all questions must be answered.

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.

Authorized Signature:  **Position:** **Laboratory Director**

Printed Name: **Michael A. Erickson** **Date:** **12/13/12**

Name of Laboratory: **Con-Test Analytical Laboratory**

This certification form is to be used for RCP methods only.

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August 20, 2012

Scot Kuhn
HRP Associates, Inc. (Private)
197 Scott Swamp Road
Farmington, CT 06032

Project Location: IR New Britain
Client Job Number:
Project Number: ING0085.GW T-2
Laboratory Work Order Number: 12H0359

Enclosed are results of analyses for samples received by the laboratory on August 10, 2012. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa A. Worthington
Project Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

HRP Associates, Inc. (Private)
197 Scott Swamp Road
Farmington, CT 06032
ATTN: Scot Kuhn

REPORT DATE: 8/20/2012

PURCHASE ORDER NUMBER: S-CT-01131

PROJECT NUMBER: ING0085.GW T-2

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12H0359

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: IR New Britain

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-4A Monitor Well	12H0359-01	Ground Water		SW-846 8260C	
TB Trip Blank	12H0359-02	Trip Blank Water		SW-846 8260C	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8260C

Qualifications:

Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

Analyte & Samples(s) Qualified:

Bromoform, Bromomethane, Chlorodibromomethane, Methylene Chloride

B056936-BS1, B056888-BS1

Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

1,2-Dibromo-3-chloropropane (DBCP), 2,2-Dichloropropane, Naphthalene

12H0359-02[TB Trip Blank], B056888-BLK1, B056888-BS1, 12H0359-01[MW-4A Monitor Well], B056936-BLK1, B056936-BS1

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

1,2,3-Trichlorobenzene, 1,2-Dibromo-3-chloropropane (DBCP), 2,2-Dichloropropane, Naphthalene, trans-1,4-Dichloro-2-butene

12H0359-02[TB Trip Blank], B056888-BLK1, B056888-BS1, 12H0359-01[MW-4A Monitor Well], B056936-BLK1, B056936-BS1

Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Bromoform, Bromomethane, Chlorodibromomethane, Methylene Chloride

B056936-BS1, B056888-BS1

SW-846 8260C

All water reporting limits specified on the chain-of-custody were met except for Acrylonitrile, where the most protective criteria are not met since the laboratory cannot achieve the required RCP calibration criteria at these levels, unless otherwise listed in this narrative.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Daren J. Damboragian
Laboratory Manager

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: IR New Britain | Sample Description: | Work Order: 12H0359

Date Received: 8/10/2012

Field Sample #: MW-4A Monitor Well | Sampled: 8/10/2012 10:36

Sample ID: 12H0359-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	5.0	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
Chloromethane	ND	0.50	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.50	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
1,1-Dichloroethane	3.2	0.50	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1	L-03, V-05	SW-846 8260C	8/14/12	8/14/12 12:09	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
Hexachlorobutadiene	ND	0.40	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: IR New Britain | Sample Description: | Work Order: 12H0359

Date Received: 8/10/2012

Field Sample #: MW-4A Monitor Well | Sampled: 8/10/2012 10:36

Sample ID: 12H0359-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
Naphthalene	ND	2.0	µg/L	1	L-03, V-05	SW-846 8260C	8/14/12	8/14/12 12:09	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
1,1,1-Trichloroethane	3.7	0.50	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	8/14/12	8/14/12 12:09	LBD

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	102	70-130		8/14/12 12:09
Toluene-d8	99.0	70-130		8/14/12 12:09
4-Bromofluorobenzene	98.7	70-130		8/14/12 12:09

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: IR New Britain | Sample Description: | Work Order: 12H0359

Date Received: 8/10/2012

Field Sample #: TB Trip Blank | Sampled: 8/10/2012 07:15

Sample ID: 12H0359-02

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	5.0	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
Bromomethane	ND	0.50	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
Chloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
Chloromethane	ND	1.0	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.50	µg/L	1	L-03, V-05	SW-846 8260C	8/13/12	8/14/12 6:53	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1	V-05	SW-846 8260C	8/13/12	8/14/12 6:53	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1	L-03, V-05	SW-846 8260C	8/13/12	8/14/12 6:53	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
Hexachlorobutadiene	ND	0.40	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: IR New Britain | Sample Description: | Work Order: 12H0359

Date Received: 8/10/2012

Field Sample #: TB Trip Blank | Sampled: 8/10/2012 07:15

Sample ID: 12H0359-02

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260C	8/13/12	8/14/12 6:53	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1	V-05	SW-846 8260C	8/13/12	8/14/12 6:53	LBD
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	8/13/12	8/14/12 6:53	LBD

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	90.3	70-130		8/14/12 6:53
Toluene-d8	98.8	70-130		8/14/12 6:53
4-Bromofluorobenzene	99.4	70-130		8/14/12 6:53

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
12H0359-02 [TB Trip Blank]	B056888	5	5.00	08/13/12

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
12H0359-01 [MW-4A Monitor Well]	B056936	5	5.00	08/14/12

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B056888 - SW-846 5030B										
Blank (B056888-BLK1)				Prepared: 08/13/12 Analyzed: 08/14/12						
Acetone	ND	5.0	µg/L							
Acrylonitrile	ND	2.0	µg/L							
Benzene	ND	0.50	µg/L							
Bromobenzene	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	0.50	µg/L							
2-Butanone (MEK)	ND	5.0	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	1.0	µg/L							
Chloroform	ND	0.50	µg/L							
Chloromethane	ND	1.0	µg/L							
2-Chlorotoluene	ND	0.50	µg/L							
4-Chlorotoluene	ND	0.50	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.50	µg/L							L-03, V-05
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							V-05
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	0.50	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	0.50	µg/L							L-03, V-05
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Hexachlorobutadiene	ND	0.40	µg/L							
2-Hexanone (MBK)	ND	5.0	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L							
Naphthalene	ND	2.0	µg/L							V-05
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B056888 - SW-846 5030B											
Blank (B056888-BLK1)				Prepared: 08/13/12 Analyzed: 08/14/12							
Tetrachloroethylene	ND	1.0	µg/L								
Tetrahydrofuran	ND	10	µg/L								
Toluene	ND	1.0	µg/L								
1,2,3-Trichlorobenzene	ND	0.50	µg/L								V-05
1,2,4-Trichlorobenzene	ND	0.50	µg/L								
1,1,1-Trichloroethane	ND	0.50	µg/L								
1,1,2-Trichloroethane	ND	0.50	µg/L								
Trichloroethylene	ND	1.0	µg/L								
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L								
1,2,3-Trichloropropane	ND	0.50	µg/L								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L								
1,2,4-Trimethylbenzene	ND	0.50	µg/L								
1,3,5-Trimethylbenzene	ND	0.50	µg/L								
Vinyl Chloride	ND	1.0	µg/L								
m+p Xylene	ND	2.0	µg/L								
o-Xylene	ND	1.0	µg/L								
Surrogate: 1,2-Dichloroethane-d4	*22.6*		µg/L	25.0		90.6		70-130			
Surrogate: Toluene-d8	*24.8*		µg/L	25.0		99.2		70-130			
Surrogate: 4-Bromofluorobenzene	*24.7*		µg/L	25.0		98.7		70-130			
LCS (B056888-BS1)				Prepared: 08/13/12 Analyzed: 08/14/12							
Acetone	82.1	5.0	µg/L	100		82.1		70-130			
Acrylonitrile	8.61	2.0	µg/L	10.0		86.1		70-130			
Benzene	9.88	0.50	µg/L	10.0		98.8		70-130			
Bromobenzene	9.62	0.50	µg/L	10.0		96.2		70-130			
Bromodichloromethane	8.54	0.50	µg/L	10.0		85.4		70-130			
Bromoform	7.77	1.0	µg/L	10.0		77.7		70-130			
Bromomethane	13.3	0.50	µg/L	10.0		**133**	*	70-130			L-01, V-20
2-Butanone (MEK)	87.0	5.0	µg/L	100		87.0		70-130			
n-Butylbenzene	8.83	1.0	µg/L	10.0		88.3		70-130			
sec-Butylbenzene	9.32	1.0	µg/L	10.0		93.2		70-130			
tert-Butylbenzene	9.27	1.0	µg/L	10.0		92.7		70-130			
Carbon Disulfide	83.0	5.0	µg/L	100		83.0		70-130			
Carbon Tetrachloride	8.32	0.50	µg/L	10.0		83.2		70-130			
Chlorobenzene	10.4	0.50	µg/L	10.0		104		70-130			
Chlorodibromomethane	9.14	0.50	µg/L	10.0		91.4		70-130			
Chloroethane	8.79	1.0	µg/L	10.0		87.9		70-130			
Chloroform	9.69	0.50	µg/L	10.0		96.9		70-130			
Chloromethane	8.15	1.0	µg/L	10.0		81.5		70-130			
2-Chlorotoluene	9.84	0.50	µg/L	10.0		98.4		70-130			
4-Chlorotoluene	9.82	0.50	µg/L	10.0		98.2		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	6.16	0.50	µg/L	10.0		**61.6**	*	70-130			L-03, V-05
1,2-Dibromoethane (EDB)	10.2	0.50	µg/L	10.0		102		70-130			
Dibromomethane	9.94	0.50	µg/L	10.0		99.4		70-130			
1,2-Dichlorobenzene	9.58	0.50	µg/L	10.0		95.8		70-130			
1,3-Dichlorobenzene	9.67	0.50	µg/L	10.0		96.7		70-130			
1,4-Dichlorobenzene	9.53	0.50	µg/L	10.0		95.3		70-130			
trans-1,4-Dichloro-2-butene	7.09	2.0	µg/L	10.0		70.9		70-130			V-05
Dichlorodifluoromethane (Freon 12)	7.89	0.50	µg/L	10.0		78.9		70-130			
1,1-Dichloroethane	9.16	0.50	µg/L	10.0		91.6		70-130			
1,2-Dichloroethane	9.53	0.50	µg/L	10.0		95.3		70-130			
1,1-Dichloroethylene	8.83	0.50	µg/L	10.0		88.3		70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B056888 - SW-846 5030B											
LCS (B056888-BS1)				Prepared: 08/13/12 Analyzed: 08/14/12							
cis-1,2-Dichloroethylene	9.21	0.50	µg/L	10.0		92.1		70-130			
trans-1,2-Dichloroethylene	9.16	1.0	µg/L	10.0		91.6		70-130			
1,2-Dichloropropane	9.21	0.50	µg/L	10.0		92.1		70-130			
1,3-Dichloropropane	10.1	0.50	µg/L	10.0		101		70-130			
2,2-Dichloropropane	6.04	0.50	µg/L	10.0		**60.4**	*	70-130			L-03, V-05
1,1-Dichloropropene	9.43	0.50	µg/L	10.0		94.3		70-130			
cis-1,3-Dichloropropene	8.24	0.50	µg/L	10.0		82.4		70-130			
trans-1,3-Dichloropropene	7.43	0.50	µg/L	10.0		74.3		70-130			
Ethylbenzene	9.77	0.50	µg/L	10.0		97.7		70-130			
Hexachlorobutadiene	9.75	0.40	µg/L	10.0		97.5		70-130			
2-Hexanone (MBK)	86.6	5.0	µg/L	100		86.6		70-130			
Isopropylbenzene (Cumene)	10.0	0.50	µg/L	10.0		100		70-130			
p-Isopropyltoluene (p-Cymene)	9.14	0.50	µg/L	10.0		91.4		70-130			
Methyl tert-Butyl Ether (MTBE)	8.57	0.50	µg/L	10.0		85.7		70-130			
Methylene Chloride	10.5	5.0	µg/L	10.0		105		70-130			
4-Methyl-2-pentanone (MIBK)	86.3	5.0	µg/L	100		86.3		70-130			
Naphthalene	7.19	2.0	µg/L	10.0		71.9		70-130			V-05
n-Propylbenzene	9.83	1.0	µg/L	10.0		98.3		70-130			
Styrene	10.1	1.0	µg/L	10.0		101		70-130			
1,1,1,2-Tetrachloroethane	9.29	0.50	µg/L	10.0		92.9		70-130			
1,1,2,2-Tetrachloroethane	9.54	0.50	µg/L	10.0		95.4		70-130			
Tetrachloroethylene	10.3	1.0	µg/L	10.0		103		70-130			
Tetrahydrofuran	7.71	10	µg/L	10.0		77.1		70-130			
Toluene	10.0	1.0	µg/L	10.0		100		70-130			
1,2,3-Trichlorobenzene	7.82	0.50	µg/L	10.0		78.2		70-130			V-05
1,2,4-Trichlorobenzene	8.56	0.50	µg/L	10.0		85.6		70-130			
1,1,1-Trichloroethane	8.63	0.50	µg/L	10.0		86.3		70-130			
1,1,2-Trichloroethane	10.3	0.50	µg/L	10.0		103		70-130			
Trichloroethylene	9.66	1.0	µg/L	10.0		96.6		70-130			
Trichlorofluoromethane (Freon 11)	9.41	2.0	µg/L	10.0		94.1		70-130			
1,2,3-Trichloropropane	9.78	0.50	µg/L	10.0		97.8		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.19	0.50	µg/L	10.0		91.9		70-130			
1,2,4-Trimethylbenzene	9.31	0.50	µg/L	10.0		93.1		70-130			
1,3,5-Trimethylbenzene	10.1	0.50	µg/L	10.0		101		70-130			
Vinyl Chloride	8.12	1.0	µg/L	10.0		81.2		70-130			
m+p Xylene	19.9	2.0	µg/L	20.0		99.4		70-130			
o-Xylene	9.90	1.0	µg/L	10.0		99.0		70-130			
Surrogate: 1,2-Dichloroethane-d4	*22.2*		µg/L	25.0		88.8		70-130			
Surrogate: Toluene-d8	*24.9*		µg/L	25.0		99.5		70-130			
Surrogate: 4-Bromofluorobenzene	*25.9*		µg/L	25.0		103		70-130			
Batch B056936 - SW-846 5030B											
Blank (B056936-BLK1)				Prepared & Analyzed: 08/14/12							
Acetone	ND	5.0	µg/L								
Acrylonitrile	ND	2.0	µg/L								
Benzene	ND	0.50	µg/L								
Bromobenzene	ND	0.50	µg/L								
Bromodichloromethane	ND	0.50	µg/L								
Bromoform	ND	0.50	µg/L								
Bromomethane	ND	1.0	µg/L								
2-Butanone (MEK)	ND	5.0	µg/L								

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QUALITY CONTROL

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B056936 - SW-846 5030B										
Blank (B056936-BLK1)				Prepared & Analyzed: 08/14/12						
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Chloromethane	ND	0.50	µg/L							
2-Chlorotoluene	ND	0.50	µg/L							
4-Chlorotoluene	ND	0.50	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.50	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	0.50	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	0.50	µg/L							L-03, V-05
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Hexachlorobutadiene	ND	0.40	µg/L							
2-Hexanone (MBK)	ND	5.0	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L							
Naphthalene	ND	2.0	µg/L							L-03, V-05
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	10	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	0.50	µg/L							
1,2,4-Trichlorobenzene	ND	0.50	µg/L							
1,1,1-Trichloroethane	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							
Trichloroethylene	ND	1.0	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B056936 - SW-846 5030B											
Blank (B056936-BLK1)				Prepared & Analyzed: 08/14/12							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L								
1,2,3-Trichloropropane	ND	0.50	µg/L								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L								
1,2,4-Trimethylbenzene	ND	0.50	µg/L								
1,3,5-Trimethylbenzene	ND	0.50	µg/L								
Vinyl Chloride	ND	1.0	µg/L								
m+p Xylene	ND	2.0	µg/L								
o-Xylene	ND	1.0	µg/L								
Surrogate: 1,2-Dichloroethane-d4	*24.8*		µg/L	25.0		99.1		70-130			
Surrogate: Toluene-d8	*25.2*		µg/L	25.0		101		70-130			
Surrogate: 4-Bromofluorobenzene	*24.5*		µg/L	25.0		97.9		70-130			
LCS (B056936-BS1)				Prepared & Analyzed: 08/14/12							
Acetone	103	5.0	µg/L	100		103		70-130			
Acrylonitrile	9.56	2.0	µg/L	10.0		95.6		70-130			
Benzene	10.7	0.50	µg/L	10.0		107		70-130			
Bromobenzene	10.5	0.50	µg/L	10.0		105		70-130			
Bromodichloromethane	11.6	0.50	µg/L	10.0		116		70-130			
Bromoform	16.7	0.50	µg/L	10.0		**167**	*	70-130			L-01, V-20
Bromomethane	18.6	1.0	µg/L	10.0		**186**	*	70-130			L-01, V-20
2-Butanone (MEK)	97.9	5.0	µg/L	100		97.9		70-130			
n-Butylbenzene	9.94	1.0	µg/L	10.0		99.4		70-130			
sec-Butylbenzene	10.6	1.0	µg/L	10.0		106		70-130			
tert-Butylbenzene	10.6	1.0	µg/L	10.0		106		70-130			
Carbon Disulfide	109	5.0	µg/L	100		109		70-130			
Carbon Tetrachloride	12.8	0.50	µg/L	10.0		128		70-130			
Chlorobenzene	10.8	0.50	µg/L	10.0		108		70-130			
Chlorodibromomethane	16.0	0.50	µg/L	10.0		**160**	*	70-130			L-01, V-20
Chloroethane	9.81	0.50	µg/L	10.0		98.1		70-130			
Chloroform	10.9	0.50	µg/L	10.0		109		70-130			
Chloromethane	10.6	0.50	µg/L	10.0		106		70-130			
2-Chlorotoluene	10.8	0.50	µg/L	10.0		108		70-130			
4-Chlorotoluene	10.6	0.50	µg/L	10.0		106		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	7.94	0.50	µg/L	10.0		79.4		70-130			
1,2-Dibromoethane (EDB)	10.6	0.50	µg/L	10.0		106		70-130			
Dibromomethane	10.7	0.50	µg/L	10.0		107		70-130			
1,2-Dichlorobenzene	10.4	0.50	µg/L	10.0		104		70-130			
1,3-Dichlorobenzene	10.5	0.50	µg/L	10.0		105		70-130			
1,4-Dichlorobenzene	10.2	0.50	µg/L	10.0		102		70-130			
trans-1,4-Dichloro-2-butene	7.32	2.0	µg/L	10.0		73.2		70-130			
Dichlorodifluoromethane (Freon 12)	8.97	0.50	µg/L	10.0		89.7		70-130			
1,1-Dichloroethane	10.7	0.50	µg/L	10.0		107		70-130			
1,2-Dichloroethane	10.8	0.50	µg/L	10.0		108		70-130			
1,1-Dichloroethylene	11.2	0.50	µg/L	10.0		112		70-130			
cis-1,2-Dichloroethylene	10.2	0.50	µg/L	10.0		102		70-130			
trans-1,2-Dichloroethylene	10.7	1.0	µg/L	10.0		107		70-130			
1,2-Dichloropropane	10.5	0.50	µg/L	10.0		105		70-130			
1,3-Dichloropropane	10.5	0.50	µg/L	10.0		105		70-130			
2,2-Dichloropropane	5.78	0.50	µg/L	10.0		**57.8**	*	70-130			L-03, V-05
1,1-Dichloropropene	10.5	0.50	µg/L	10.0		105		70-130			
cis-1,3-Dichloropropene	9.31	0.50	µg/L	10.0		93.1		70-130			
trans-1,3-Dichloropropene	9.79	0.50	µg/L	10.0		97.9		70-130			

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QUALITY CONTROL

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B056936 - SW-846 5030B											
LCS (B056936-BS1)				Prepared & Analyzed: 08/14/12							
Ethylbenzene	10.6	0.50	µg/L	10.0		106		70-130			
Hexachlorobutadiene	10.1	0.40	µg/L	10.0		101		70-130			
2-Hexanone (MBK)	98.4	5.0	µg/L	100		98.4		70-130			
Isopropylbenzene (Cumene)	10.8	0.50	µg/L	10.0		108		70-130			
p-Isopropyltoluene (p-Cymene)	10.5	0.50	µg/L	10.0		105		70-130			
Methyl tert-Butyl Ether (MTBE)	9.81	0.50	µg/L	10.0		98.1		70-130			
Methylene Chloride	13.1	5.0	µg/L	10.0		**131**	*	70-130			L-01, V-20
4-Methyl-2-pentanone (MIBK)	99.8	5.0	µg/L	100		99.8		70-130			
Naphthalene	6.42	2.0	µg/L	10.0		**64.2**	*	70-130			L-03, V-05
n-Propylbenzene	10.7	1.0	µg/L	10.0		107		70-130			
Styrene	10.8	1.0	µg/L	10.0		108		70-130			
1,1,1,2-Tetrachloroethane	9.91	0.50	µg/L	10.0		99.1		70-130			
1,1,2,2-Tetrachloroethane	10.3	0.50	µg/L	10.0		103		70-130			
Tetrachloroethylene	10.7	1.0	µg/L	10.0		107		70-130			
Tetrahydrofuran	8.92	10	µg/L	10.0		89.2		70-130			
Toluene	10.6	1.0	µg/L	10.0		106		70-130			
1,2,3-Trichlorobenzene	7.67	0.50	µg/L	10.0		76.7		70-130			
1,2,4-Trichlorobenzene	8.91	0.50	µg/L	10.0		89.1		70-130			
1,1,1-Trichloroethane	10.6	0.50	µg/L	10.0		106		70-130			
1,1,2-Trichloroethane	10.8	0.50	µg/L	10.0		108		70-130			
Trichloroethylene	10.4	1.0	µg/L	10.0		104		70-130			
Trichlorofluoromethane (Freon 11)	11.0	2.0	µg/L	10.0		110		70-130			
1,2,3-Trichloropropane	10.2	0.50	µg/L	10.0		102		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.6	0.50	µg/L	10.0		106		70-130			
1,2,4-Trimethylbenzene	10.5	0.50	µg/L	10.0		105		70-130			
1,3,5-Trimethylbenzene	10.7	0.50	µg/L	10.0		107		70-130			
Vinyl Chloride	11.7	1.0	µg/L	10.0		117		70-130			
m+p Xylene	21.0	2.0	µg/L	20.0		105		70-130			
o-Xylene	10.7	1.0	µg/L	10.0		107		70-130			
Surrogate: 1,2-Dichloroethane-d4	*24.1*		µg/L	25.0		96.5		70-130			
Surrogate: Toluene-d8	*25.0*		µg/L	25.0		100		70-130			
Surrogate: 4-Bromofluorobenzene	*24.9*		µg/L	25.0		99.6		70-130			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
L-01	Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
L-03	Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
Acetone	CT,NH,NY,ME
Acrylonitrile	CT,NY,ME,RI
Benzene	CT,NH,NY,ME,RI
Bromodichloromethane	CT,NH,NY,ME,RI
Bromoform	CT,NH,NY,ME,RI
Bromomethane	CT,NH,NY,ME,RI
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	NY,ME
sec-Butylbenzene	NY,ME
tert-Butylbenzene	NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME,RI
Chlorobenzene	CT,NH,NY,ME,RI
Chlorodibromomethane	CT,NH,NY,ME,RI
Chloroethane	CT,NH,NY,ME,RI
Chloroform	CT,NH,NY,ME,RI
Chloromethane	CT,NH,NY,ME,RI
2-Chlorotoluene	NY,ME
4-Chlorotoluene	NY,ME
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NY,ME,RI
1,3-Dichlorobenzene	CT,NH,NY,ME,RI
1,4-Dichlorobenzene	CT,NH,NY,ME,RI
trans-1,4-Dichloro-2-butene	NH,NY,ME
Dichlorodifluoromethane (Freon 12)	NH,NY,ME,RI
1,1-Dichloroethane	CT,NH,NY,ME,RI
1,2-Dichloroethane	CT,NH,NY,ME,RI
1,1-Dichloroethylene	CT,NH,NY,ME,RI
cis-1,2-Dichloroethylene	NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME,RI
1,2-Dichloropropane	CT,NH,NY,ME,RI
1,3-Dichloropropane	NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME,RI
trans-1,3-Dichloropropene	CT,NH,NY,ME,RI
Ethylbenzene	CT,NH,NY,ME,RI
Hexachlorobutadiene	CT,NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	NY,ME
p-Isopropyltoluene (p-Cymene)	CT,NH,NY,ME
Methyl tert-Butyl Ether (MTBE)	CT,NH,NY,ME
Methylene Chloride	CT,NH,NY,ME,RI
4-Methyl-2-pentanone (MIBK)	CT,NH,NY,ME
Naphthalene	NH,NY,ME
n-Propylbenzene	CT,NH,NY,ME
Styrene	CT,NH,NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME,RI
Tetrachloroethylene	CT,NH,NY,ME,RI
Toluene	CT,NH,NY,ME,RI
1,2,3-Trichlorobenzene	NH,NY,ME
1,2,4-Trichlorobenzene	CT,NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME,RI
1,1,2-Trichloroethane	CT,NH,NY,ME,RI
Trichloroethylene	CT,NH,NY,ME,RI
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME,RI
1,2,3-Trichloropropane	NH,NY,ME
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NY
1,2,4-Trimethylbenzene	NY,ME
1,3,5-Trimethylbenzene	NY,ME
Vinyl Chloride	CT,NH,NY,ME,RI
m+p Xylene	CT,NH,NY,ME,RI
o-Xylene	CT,NH,NY,ME,RI

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2014
MA	Massachusetts DEP	M-MA100	06/30/2013
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2013
NY	New York State Department of Health	10899 NELAP	04/1/2013
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2013
RI	Rhode Island Department of Health	LAO00112	12/30/2012
NC	North Carolina Div. of Water Quality	652	12/31/2012
NJ	New Jersey DEP	MA007 NELAP	06/30/2013
FL	Florida Department of Health	E871027 NELAP	06/30/2013
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2013
WA	State of Washington Department of Ecology	C2065	02/23/2013
ME	State of Maine	2011028	06/9/2013
VA	Commonwealth of Virginia	1381	12/14/2012

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http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

12H0359

39 Spruce Street
East Longmeadow, MA 01028

Company Name: HRP Assoc. Inc
Telephone: (860)674-9570
Address: 197 Scott Swamp Rd Farmington CT 06032
Project #: Ing0085-6W T-2
Client PO#:
Attention: Stephanie Kreipovich
Project Location: JR New Britain
Sampled By: BE

DATA DELIVERY (check all that apply)
O FAX ~~EMAIL~~ O WEBSITE
Fax #:
Email:
Format: OPDF OEXCEL OGIS
O OTHER
O "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
O yes _____ proposal date

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	# of Containers	** Preservation	***Container Code	VOC's 8260
01	MW-4a Master Well	8/10/12	10:36		X	GW	U	3	H,I	V	X
02	TB tripblan	↓	7:15		↓	↓	↓	↓	↓	↓	X

Analysis Requested

Dissolved Metals
O Field Filtered
O Lab to Filter

***Cont. Code:**
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other

****Preservation**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other_____

*Matrix Code:
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other_____

Comments:

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
	8/10/12 14:20
Received by: (signature) 6.3°C Paul Racicot	8/10/12 14:20
Relinquished by: (signature) Paul Racicot	8/10/12 1550
Received by: (signature) 4.5	8/10/12 1550

Turnaround ††
O 5-Day
O 5-7-Day
O 10-Day
RUSH †
O †24-Hr r †48-Hr
O †72-Hr r †4-Day
† Requires Lab Approval

Detection Limit Requirements
North Carolina
O 2L
O GWPC
O SWSL
O OTHER RSR Standards, SWPC + Residential I/C

Program Information
O DSCA O IHSB Orphaned Landfill
O SWS Landfill O UST O REC
O Other: _____

ACCREDITED IN ACCORDANCE WITH nelac
AIHA ACCREDITED LABORATORY
NELAC & AIHA Certified
WBE/DBE Certified

†† TURNAROUND TIME (business days) STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN.
IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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East Longmeadow, MA. 01028
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Sample Receipt Checklist

CLIENT NAME: HRP Assoc inc RECEIVED BY: JSH DATE: 8-10-12

1) **Was the chain(s) of custody relinquished and signed?** (Yes) No No CoC Included

2) **Does the chain agree with the samples?** (Yes) No
If not, explain:

3) **Are all the samples in good condition?** (Yes) No
If not, explain:

4) **How were the samples received:**
On Ice ☑ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☑

Were the samples received in Temperature Compliance of (2-6°C)? (Yes) No N/A

Temperature °C by Temp blank _____ Temperature °C by Temp gun 4.5

5) **Are there Dissolved samples for the lab to filter?** Yes (No)
Who was notified _____ Date _____ Time _____

6) **Are there any RUSH or SHORT HOLDING TIME samples?** Yes (No)
Who was notified _____ Date _____ Time _____

7) **Location where samples are stored:** 19

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: _____

8) **Do all samples have the proper Acid pH:** Yes No (N/A) _____

9) **Do all samples have the proper Base pH:** Yes No (N/A) _____

10) **Was the PC notified of any discrepancies with the CoC vs the samples:** Yes No (N/A)

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Air Cassette	
500 mL Plastic		Hg/Hopcalite Tube	
250 mL plastic		Plastic Bag / Ziploc	
40 mL Vial - type listed below	6	PM 2.5 / PM 10	
Colisure / bacteria bottle		PUF Cartridge	
Dissolved Oxygen bottle		SOC Kit	
Encore		TO-17 Tubes	
Flashpoint bottle		Non-ConTest Container	
Perchlorate Kit		Other glass jar	
Other		Other	

Laboratory Comments:

40 mL vials: # HCl 6 # Methanol _____
Bisulfate _____ # DI Water _____
Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: HRP Associates, Inc. (Private)

Project Location: IR New Britain

Project Number: 12H0359

Laboratory Sample ID(s):

12H0359-01 thru 12H0359-02

Sample Date(s):

08/10/2012

List RCP Methods Used:

SW-846 8260C

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 CTDEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	☐ Yes ☐ No ☑ 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 ☐ No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	☐ Yes ☑ No
5A	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5B	Were these reporting limits met?	☐ Yes ☑ 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 ☐ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☐ Yes ☑ No

Notes: 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 #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."
This form may not be altered and all questions must be answered.

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.

Authorized Signature:  **Position:** Laboratory Manager

Printed Name: Daren J. Damboragian **Date:** 08/17/12

Name of Laboratory: Con-Test Analytical Laboratory

This certification form is to be used for RCP methods only.