Riverfront Revitalization Project
34 East Main Street
Middletown, Connecticut

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Introduction

At the request of the City of Middletown, Vanasse Hangen Brustlin, Inc. (VHB) has completed a Phase II Subsurface Investigation at 34 East Main Street in Middletown, Connecticut (referred to herein as the "Site"). Figure 1 depicts the Site location. This report was prepared for the City of Middletown (Client) and is subject to the terms and conditions of the Agreement between Client and VHB, as well as the Limitations provided in Appendix A.

The Site is a 2.5 acre parcel of land located along the east side of East Main Street near its intersection with Sumner Creek and is referred to as Block 24-9, Lot 10 (east) on the City of Middletown Assessors Map No. 34. The Site has been occupied by the City of Middletown Sanitation Department since initial development in 1937. Prior to development, the Site was low-lying wetlands associated with the Sumner Creek. The wetlands were historically filled to facilitate Site development. No records regarding the origin or composition of the fill were available at the City's municipal offices.

Site operations included sewage treatment and refuse incineration. Information regarding the disposal of sewage sludge and ash generated from these former Site operations was not available. Based on review of aerial photographs, it appears as though sewage treatment occurred at this property until approximately 1975. There was no available information to indicate when refuse incineration ceased at this property. A permit on file at the City of Middletown Building Department indicated that a "smoke stack" was demolished at the Site in 1992.

The Site is currently occupied by three buildings. The westerly building is occupied by the City of Middletown Sanitation Department offices, maintenance division, and active sewer main. The northerly building, formerly used for refuse incineration operations, is currently being used for storage of old computers. The easterly Fire Tower building is used by the City of Middletown Fire Department for training purposes.

Three underground storage tanks (USTs) are reportedly abandoned on the Site. One UST formerly containing gasoline and a second UST formerly containing fuel oil are located at the northwest corner of the Sanitation building. The third UST formerly containing fuel oil is located at the northwest corner of the Incinerator building. Two active aboveground storage tanks (ASTs) containing fuel oil are also located in the Sanitation building.

The Site is bounded to the north and south by Route 9 access ramps, to the east by Route 9, and to the west by East Main Street. Sumner Creek also abuts the north side of the Site. Commercial properties occupied by Connecticut Rental Center and Personal Auto Care are located north of the Site. A mixture of residential and commercial properties is located south of the Site. The Richard Baroni Memorial Baseball Field and Middlesex Hospital are located west of the Site. Topography in the vicinity of the Site slopes gradually to the east/northeast.

VHB reviewed a UST Assessment Report for the Site dated June 2004, prepared by Metcalf & Eddy, Inc. (M&E). According to the report, M&E collected three soil samples in the vicinity of each of the aforementioned USTs and submitted them for laboratory analysis. Based on analytical results, low concentrations of petroleum constituents were detected in the vicinity of two of the USTs. The concentrations were below applicable State soil cleanup criteria.

According to Connecticut Department of Environmental Protection (CTDEP) records, a release of oil occurred at the Site on March 2, 1979. The report indicated the oil was released to Sumner Brook, and traced back to the Middletown Sewer Department. No other information regarding the source of the oil was identified in the file. Reportedly, raw sewage was released from the Site to nearby storm drains on February 23, 2003.

Middlesex Hospital, located west of the Site, is listed as a generator of RCRA hazardous wastes. In addition Middlesex Hospital maintains registered USTs and has experienced leaking USTs, as well as twenty-one reported spill incidents involving primarily fuel oil. It should be noted that numerous listings were found for properties within one-quarter mile to one-mile from the Site. These documented incidents and historic urban nature of the vicinity have likely contributed to the area's GB groundwater classification, indicating known degraded conditions.

VHB completed a Phase I Environmental Site Assessment (PESA) for the Site in February 2005. The following recognized environmental conditions (RECs) associated with the Site were identified during the PESA.

- Potential soil and groundwater contamination from former Site operations including sewage treatment and refuse incinerating.
- Fill of unknown origin and composition appears to have historically been placed on the Site.
- Low concentrations of petroleum contaminants were detected in the vicinity of two abandoned USTs at the Site.
- A release of oil to Sumner Creek on March 2, 1979 was traced back to the Site.
- Documented off-Site releases from up-gradient locations.

Based on the findings of the PESA, the subsurface investigation focused on identifying releases to soil and groundwater from these RECs. During this investigation, six soil borings were advanced, soil samples were field screened, and select soil samples were collected for laboratory analysis. In addition, two groundwater monitoring wells were installed. Groundwater samples were collected for laboratory analysis from these two wells and one pre-existing well located near the Fire Tower building.

Remediation Standard Regulations

Soil and groundwater analytical results subsequently discussed in this report have been compared to the Connecticut Department of Environmental Protection (CTDEP) Remediation Standard Regulations (RSRs), CGS Section 22a-133k. The RSRs define the standard applicable to the site dependent on the groundwater classification (mapped by CTDEP) and uses of the property.

Groundwater below and near the Site is classified by the CTDEP as GB. The GB classification indicates the groundwater is within an area of where groundwater has been degraded due to spills/releases and/or land use and is presumed unsuitable for consumption without treatment. Based on area topography and nearby surface water bodies, groundwater is presumed to flow in an easterly/northeasterly direction on the Site.

Based on a review of relevant Site data, CTDEP Residential Direct Exposure Criteria (RES DEC), Industrial/Commercial DEC (I/C DEC), and Pollutant Mobility Criteria for GB areas (GB PMC) apply to the Site's soil. RES DEC applies to soil at the Site since the RSRs require, whenever feasible, a reduction in residual soil contaminant concentrations to levels that pose no significant human health risk (residential standards).

For groundwater at the Site, the Groundwater Protection Criteria (GWPC), the Surface Water Protection Criteria (SWPC), Residential Volatilization Criteria (RES VC), and Industrial/ Commercial Volatilization Criteria (I/C VC) apply to the Site.

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Data Collection and Analysis

On February 7, 2004, VHB monitored the advancement of six soil borings in various locations at the Site. The boring locations were selected by VHB in order to identify potential soil and groundwater impacts from current and historical land uses at the Site and to evaluate potential impacts to groundwater beneath the Site from off-site sources. The borings were advanced by Associated Borings Company of Naugatuck, Connecticut using a hollow-stem auger drill rig. During the investigation, VHB recorded blow counts and soil characteristics, performed soil screening, and collected soil samples for laboratory analysis.

Based on known storage of petroleum products, historic Site operations including filling activities, refuse incineration, and sewage treatment, samples collected during this investigation were analyzed for extractable petroleum hydrocarbons (ETPH) and volatile organic compounds (VOCs). In addition, select samples were analyzed for polynuclear aromatic hydrocarbons (PAHs), RCRA 8 metals, and polychlorinated biphenyls (PCBs).

Initial analytical results for metals were based on mass analysis reported as milligrams per kilogram (mg/kg). These results are used for comparison to the RES DEC and I/C DEC, but are not directly comparable the GB PMC. As a preliminary evaluation of a metal constituent's leachable potential, the RSRs allow the application of a twenty-percent dilution factor to mass analysis results to determine if concentrations have the potential to mathematically exceed the GB PCM.

Based on this methodology, select metal concentrations were determined to exceed the GB PCM. Therefore, VHB requested a soil sample exhibiting the highest average concentrations for these metals be analyzed via the Synthetic Precipitation Leaching Procedure (SPLP). Results of SPLP metals are reported in mg/L and are directly comparable to the GB PMC.

According to the Surficial Materials Map of Connecticut dated 1992, surficial geology consists of artificial fill. This description is consistent with observations made during the investigation. According to the Bedrock Geological Map of Connecticut dated 1985, bedrock beneath the Site is Portland Arkose. Bedrock was not encountered during this investigation.

It should be noted that during boring activities on the east side of the Sanitation Building, large sink-holes were observed in the former sewage treatment area.

Soil Boring Advancement and Sample Collection

The following is a summary of the soil boring advancement activities conducted by VHB.

Soil samples were collected utilizing a split-spoon sampler to depths ranging from ground surface to 20 feet below grade (bg). These samples were examined for visual/olfactory evidence of contamination. No olfactory evidence of contamination was detected during boring activities. Soils ranged in color from yellow-brown, orange-brown, to black-brown and appeared as obvious non-native fill material. Due to the unconsolidated composition of the fill material, soil sample recoveries were low. In some cases, composite soil samples were submitted for laboratory analysis to comply with the laboratory's minimum quantity requirements for soil samples.

Soils were also field screened for the presence of VOCs using a photo ionization detector (PID). Samples were screened using a standard methodology for the jar headspace analytical screening procedure, which measures total VOCs. The PID did not measure any significant levels of VOCs in the soil samples screened.

Select soil samples were collected from each of the borings. They were preserved on ice and delivered to Con-Test Analytical Laboratories of East Longmeadow, Massachusetts for laboratory analysis. These samples were analyzed for the presence of VOCs via EPA Method 8260, and ETPH via the CTDEP approved method. Select samples were also analyzed for PAHs via EPA Method 8270, RCRA 8 metals, and PCBs via EPA Method 8081. One sample was also submitted for SPLP metals analysis.

Soil boring B-31 - was advanced in the southwestern corner of the Site, which is an up-gradient location relative to Site activities. This boring was advanced to a depth of 15 feet bg and subsequently completed as groundwater monitoring well MW-11. The purpose of this boring/well was to provide a baseline for soil composition and to evaluate the quality of groundwater flowing onto the Site. Due to low soil sample recovery during advancement of this boring, the soil samples collected from 5 to 9 feet bg were combined into one composite sample in order to comply with the laboratory's minimum quantity requirements. Based on evidence of fill and depth to groundwater (8 feet bg), this soil sample was submitted for laboratory analysis of VOCs, ETPH, metals, and PAHs.

Soil boring B-32 - was advanced in the vicinity of the two abandoned USTs located at the northwestern corner of the Sanitation building. This boring was advanced to a depth of 15 feet bg. The purpose of this boring was to evaluate impacts to soil from potential releases of petroleum products from existing USTs. Based on the estimated depth of the UST, the soil sample collected at a depth of 11 to 13 feet bg was submitted for laboratory analysis of VOCs and ETPH. Groundwater was encountered at a depth of 8 feet bg. during the advancement of this boring.

Soil boring B-33 - was advanced in the vicinity of the abandoned UST located at the northwestern corner of the Incinerator building. This boring was advanced to a depth of 15 feet bg. The purpose of this boring was to evaluate impacts to soil from potential releases of petroleum products from the existing UST. Based on estimated depth of the UST and depth to groundwater

(8 feet bg) the soil sample collected at a depth of 7 to 9 feet bg was submitted for laboratory analysis of VOCs and ETPH.

Soil boring B-34 - was advanced on the north side of the Incinerator building in a down-gradient location relative to potential on-Site contaminant sources. This boring was advanced to a depth of 20 feet bg and subsequently completed as groundwater monitoring well MW-12. The purpose of this boring and well was to evaluate potential impacts to soil and groundwater from historical refuse incineration activities conducted at the Site. Due to low soil sample recovery during advancement of this boring, the soil samples collected from 1 to 11 feet bg were combined into one composite sample in order to comply with the laboratory's minimum quantity requirements for soil samples. Based on historic refuse incineration operations conducted in this area, this sample was submitted for laboratory analysis of VOCs, ETPH, PAHs. RCRA 8 metals, and PCBs. Groundwater was encountered at a depth of 13 feet bg during the advancement of this boring.

Soil boring B-35 - was advanced near the southeast corner of the Incinerator building in the vicinity of the former incinerator smoke stack. This boring was advanced to a depth of 17 feet bg. The purpose of this boring was to evaluate potential impacts to soil from historical refuse incineration activities conducted at the Site. Due to low soil sample recovery during advancement of this boring, the soil samples collected from 1 to 5 feet bg were combined into one composite sample in order to comply with the laboratory's minimum quantity requirements for soil samples. Based on historic refuse incineration operations conducted in this area, this sample was submitted for laboratory analysis of VOCs, ETPH, PAHs. RCRA 8 metals, and PCBs. Groundwater was encountered at a depth of approximately 8 to 10 feet bg during the advancement of this boring.

Soil boring B-36a - was advanced on the east side of the Sanitation building in the vicinity of the former sewage treatment area. The purpose of this boring was to evaluate potential impacts to soil from historical sewage treatment activities conducted at the Site. During the advancement of this boring an impenetrable layer of concrete was encountered at a depth of 4 to 5 feet bg. This layer of concrete is believed to be associated with the former settling tanks that existed in this location. Soil boring B-36a was terminated and soil boring B-36b was advanced approximately 50 feet east of B-36a.

Soil boring B-36b - was terminated at a depth of 4 feet bg when a layer of concrete was again encountered.

To characterize the fill material in this area, the sample collected from boring B-36a at a depth of 1 to 3 feet bg was submitted for laboratory analysis of VOCs, ETPH, PAHs. and RCRA 8 metals. Groundwater was not encountered during the advancement of borings B-36a and B-36b.

Refer to Figure 2 (Site Plan) for boring locations and Appendix B for Boring Logs.

Monitoring Well Installation and Sample Collection

Two groundwater monitoring wells were installed at the Site. The wells are constructed of ten feet of slot screen topped with two-inch PVC riser. Filter sand extends from 2 feet bg to the

bottom of the wells. A layer of bentonite chips was placed on top of the filter sand, and the wells were completed with five-inch road boxes set in concrete.

MW-11 - was installed at a depth of 15 feet bg in the southwestern corner of the Site in an up-gradient location. Groundwater in this area was encountered at a depth of 8 feet bg.

MW-12 - was installed at a depth of 20 feet bg on the north side of the Incinerator building in a down-gradient location. Groundwater in this area was encountered at a depth of 13 feet bg.

MW-13 - A pre-existing groundwater monitoring well of unknown origin located near the northeast corner of the Fire Tower was determined to be in satisfactory condition and was sampled as part of this investigation. This well was constructed of two inch PVC and was encased in a metal stand-pipe that stood approximately eighteen inches above the ground surface. This well extends approximately 40 feet bg. Groundwater in this area was encountered at a depth of 15 feet bg.

Following a one week equilibration period, a representative groundwater sample was collected from each of the aforementioned groundwater monitoring wells on February 14, 2005. Three well volumes of water purged from each well and subsequent groundwater samples were collected using EPA low flow protocol Groundwater samples collected were preserved on ice and delivered to Con-Test Laboratory for analysis. The groundwater samples were analyzed for VOCs via EPA Method 8260, ETPH via the CTDEP approved method, and RCRA 8 metals.

During sampling activities, a slight sheen was observed in association with the purged water from MW-13. No odor was observed emanating from the purged water or the well.

Based on recorded depth to groundwater at each of the monitoring wells sampled, groundwater flow direction appeared to be in an easterly/northeasterly direction.

Analytical Results

Soil Analytical Results

Sample B-31 *(Southwest corner of the Site at a depth of 5 to 9 feet bg based on evidence of fill and depth to groundwater [8 feet bg])*

PAHs, metals, ETPH and VOCs including benzene and carbon disulfide were detected at concentrations below applicable regulatory criteria.

Sample B-32 *(Northwest corner of the Sanitation building by the USTs at a depth of 11 to 13 feet bg based on the estimated depth of the UST)*

VOCs including benzene, MTBE, and toluene were detected at concentrations below applicable regulatory criteria. ETPH was not detected at concentrations above laboratory detection limits.

Sample B-33 *(Northwest corner of the Incinerator building by the UST at a depth of 7 to 9 feet bg based on estimated depth of the UST and depth to groundwater [8 feet bg])*

VOCs including benzene and toluene were detected at concentrations below applicable regulatory criteria. ETPH was not detected at concentrations above laboratory detection limits.

Sample B-34 *(North side of the Incinerator building at a depth of 1 to 11 feet bg based on historic refuse incineration operations conducted in this area)*

Benzene was the only VOC detected at concentrations above laboratory detection limits. The concentration of benzene was well below regulatory criteria. ETPH was detected at concentrations below applicable regulatory criteria. No PCBs were detected at concentrations above laboratory detection limits. PAHs and metals (including arsenic and lead) were detected at concentrations slightly above applicable regulatory criteria.

Since this sample had the highest average mass analysis concentrations for metals, VHB requested this sample be further analyzed for all RCRA 8 metals, except selenium, via the Synthetic Precipitation Leaching Procedure (SPLP), which is directly comparable to the GB PMC. Selenium was not detected at concentrations above laboratory detection limits in any of the samples analyzed for metals.

SPLP results for this sample indicate metals concentrations are well below the GB PMC.

Sample B-35 *(Southeast corner of the Incinerator building by the former smoke stack at a depth of 1 to 5 feet bg based on historic refuse incineration operations conducted in this area)*

No VOCs or PCBs were detected at concentrations above laboratory detection limits. ETPH and metals were detected at concentrations below applicable regulatory criteria. PAHs were detected at concentrations slightly above applicable regulatory criteria.

Sample B-36 *(East side of the Sanitation building in the former sewage treatment area at a depth of 1 to 3 feet bg to characterize the fill material in this area)*

Trichloroethylene (TCE) was the only VOC detected at concentrations above laboratory detection limits. The concentration of this contaminant is well below regulatory criteria. PAHs, metals, and ETPH were detected at concentrations below applicable regulatory criteria.

Soil analytical results are summarized in Table 1 and laboratory analytical reports are provided in Appendix C.

Groundwater Analytical Results

Sample MW-11 *(Southwest corner of Site in an up-gradient location)*

No VOCs were detected at concentrations above laboratory detection limits. ETPH and metals including barium, cadmium and lead, were detected at concentrations below applicable regulatory criteria.

Sample MW-12 (*North side of the Incinerator building*)

MTBE was detected at concentrations well below applicable regulatory criteria. No other VOCs were detected at concentrations above laboratory detection limits. ETPH and metals including barium and cadmium were detected at concentrations below applicable regulatory criteria.

Sample MW-13 (*Existing well located on the northeast side the Fire Tower*)

MTBE and tert-Amylmethyl Ether, both of which are gasoline additives, were the only VOCs detected at concentrations above laboratory detection limits. The concentration of MTBE exceeded applicable regulatory criteria. There is no RSR criteria established for tert-Amylmethyl Ether. ETPH and metals including barium and cadmium were detected at concentrations below applicable regulatory criteria.

Groundwater analytical results are summarized in Table 2 and laboratory analytical reports are provided in Appendix C.

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Conclusions

Several episodic filling events have occurred at the Site. Based on historic documentation, prior to 1934, the Site consisted of wetlands associated with Sumner Creek. Between 1934 and 1937 it appears that the Site was filled to facilitate development. The origin of the fill is unknown, however, wastes generated by surrounding manufacturing facilities including the former "Middletown Gas Works" (located to the north), could have potentially been deposited at the Site. In addition, no information regarding the disposal of sewage sludge and ash generated from Site operations (which occurred from the late 1930s to at least 1975) was found. It is possible that these Site-generated wastes were also used as fill material at the Site. Filling activities were also conducted in the former sewage treatment area after these operations ceased at the Site (circa 1975). The origin of the fill in the former settling tanks and process area is also unknown.

Soils screened during subsurface investigations showed no evidence of obvious contamination (i.e., no distinct odors, visible sheens, elevated PID measurements). However, analytical results indicate petroleum-impacted soils do exist at the Site. ETPH was detected in all the soil samples analyzed for this parameter, with the exception of those collected in the vicinity of the USTs. Gasoline constituents (including benzene, toluene, and MTBE) were detected in the soil sample collected in the vicinity of the abandoned gasoline UST. However, the low concentrations detected do not appear to be indicative of a significant release. This is supported by previous investigations conducted by Metcalf &Eddy in January 2004. In addition, benzene was also detected in two other soil samples collected from opposing locations on the Site indicating that benzene concentrations may also be related to contaminated fill.

The low concentrations of non-petroleum related VOCs in two of the soil samples may also be fill related. The two compounds detected, carbon disulfide and TCE, are typically used in manufacturing processes. No releases of these materials have been reported at the Site. Several industrial manufacturers have historically operated in the vicinity. Therefore it is possible that this contamination is also associated with the fill material deposited on-Site.

The only regulatory exceedances detected in soil at the Site include PAHs and metals. The PAH exceedances were only detected in soil samples B-34 and B-35, both of which were collected in the vicinity of the Incinerator building and concentrations were only slightly

above the RES DEC and GB PMC for three compounds. Low concentrations of PAHs were detected in all of the soil samples analyzed for this parameter. PAHs are commonly associated with fill material containing ash. The potential exists that some of these compounds could also be related to petroleum releases, however, the data does not point to a clear correlation.

Seven of the eight RCRA metals were present above laboratory detection limits in soil sample B-34. Lead and arsenic concentrations exceeded the RES DEC in this sample. SPLP analysis results of the seven detected constituents from this sample indicate concentrations of these metals are well below the GB PMC. Although initial mass analysis concentrations for metals were highest in sample B-34, the majority of these metals were detected in all the soil samples submitted for this analysis, suggesting these inorganic compounds are present throughout Site soils. The most likely source of metals in soils at the Site is the fill material. However, it is also possible that a significant contribution may be from naturally occurring concentrations of some constituents. For example, barium and chromium concentrations are consistent with documented background conditions for soil in the eastern United States (*Shakleette, H.T. et. Al., Elemental Composition of Surfacial Material in the Conterminous United States, USGS Professional paper 574-D 1971*).

MTBE, a gasoline additive, was present in two of the three groundwater samples collected at the Site. One sample exceeded the GWPC, representing the only contaminant concentration above RSRs in the groundwater samples submitted for analyses. Because the Site is located within a GB-classified groundwater area and no potable wells are located in the vicinity, this criteria does not directly apply. The two criteria that are applicable (SWPC and VC) do not have numerical values established for direct comparison. Based on groundwater flow direction, the groundwater monitoring well from which this sample was collected (MW-13) is located down-gradient of the abandoned gasoline UST, suggesting this tank as the possible source of MTBE. Besides MTBE, another gasoline additive, tert-Amylmethyl Ether was also detected in this sample. ETPH was also present in this sample at a concentration below the GWPC. No other common gasoline-related constituents (e.g., benzene, toluene or xylene) were detected in this sample.

ETPH was detected in all of the samples submitted for analysis, suggesting low levels of petroleum are present in groundwater beneath the Site. ETPH detected in the groundwater sample MW-11, which is located in an up-gradient position relative to the Site, suggests that there may be an off-site source of petroleum contributing to groundwater quality. This would be consistent with the area's GB groundwater classification.

Barium and cadmium were detected below applicable regulatory criteria in all three wells at the Site. Their concentrations in groundwater appear to be consistent throughout the Site and may be indicative of background concentrations. Lead was present below criteria in the up-gradient well only. Regardless, SPLP metals results indicate that the concentrations of these metals in Site soils have a low potential for leaching into groundwater.

Based on the findings of this report, it appears that filling activities, some potentially associated with former Site operations, have impacted environmental conditions at the Site.

Contaminated fill had been detected in various areas throughout the Site, and petroleum impacted groundwater exists beneath the Site. In addition, it appears as though there may have been a minor release of gasoline from the abandoned UST on the northwest side of the Sanitation building.

Although a few regulatory exceedances have been detected in both soil and groundwater at the Site, no reportable concentrations of contaminants as defined by the CTDEP were identified. Regulatory exceedances in soil appear to be related to widespread contaminated fill historically deposited at the Site.

There are no known consumptive uses of groundwater in the immediate vicinity of the Site and public water and sewer are available in the area, thereby, minimizing potential human exposure to contaminants in groundwater. No significantly elevated levels of VOCs were identified in groundwater, further minimizing concerns with respect to human exposure, in this case potential volatilization and resultant adverse indoor air quality.

It is our understanding that the City of Middletown intends to re-develop the Site in association with the Riverfront Revitalization Program. Additional characterization of Site soils will be necessary to attain compliance with the RSRs. It should be noted that sink holes and fill material which appeared structurally unsound were observed in several areas of the Site. Based on these observations, it is likely that a substantial amount of fill material may not be suitable to accommodate future redevelopment efforts. In addition, based on the unknown origin of the widespread fill material and the results of the limited data, the potential exists for "hot spots" of soil contamination to exist at the Site in areas that were not evaluated as part of this investigation.

Based on the age of the on-Site structures, it is likely that asbestos and lead-based paint are present in building materials. Other regulated materials (e.g., thermostats containing elemental mercury; fluorescent lighting ballasts containing PCBs) may also be associated with these structures. Therefore, a hazardous materials survey should be conducted prior to any renovation or demolition activities.

The abandoned USTs on the Site will require removal and tank grave closure in accordance with CTDEP regulations.

Figures

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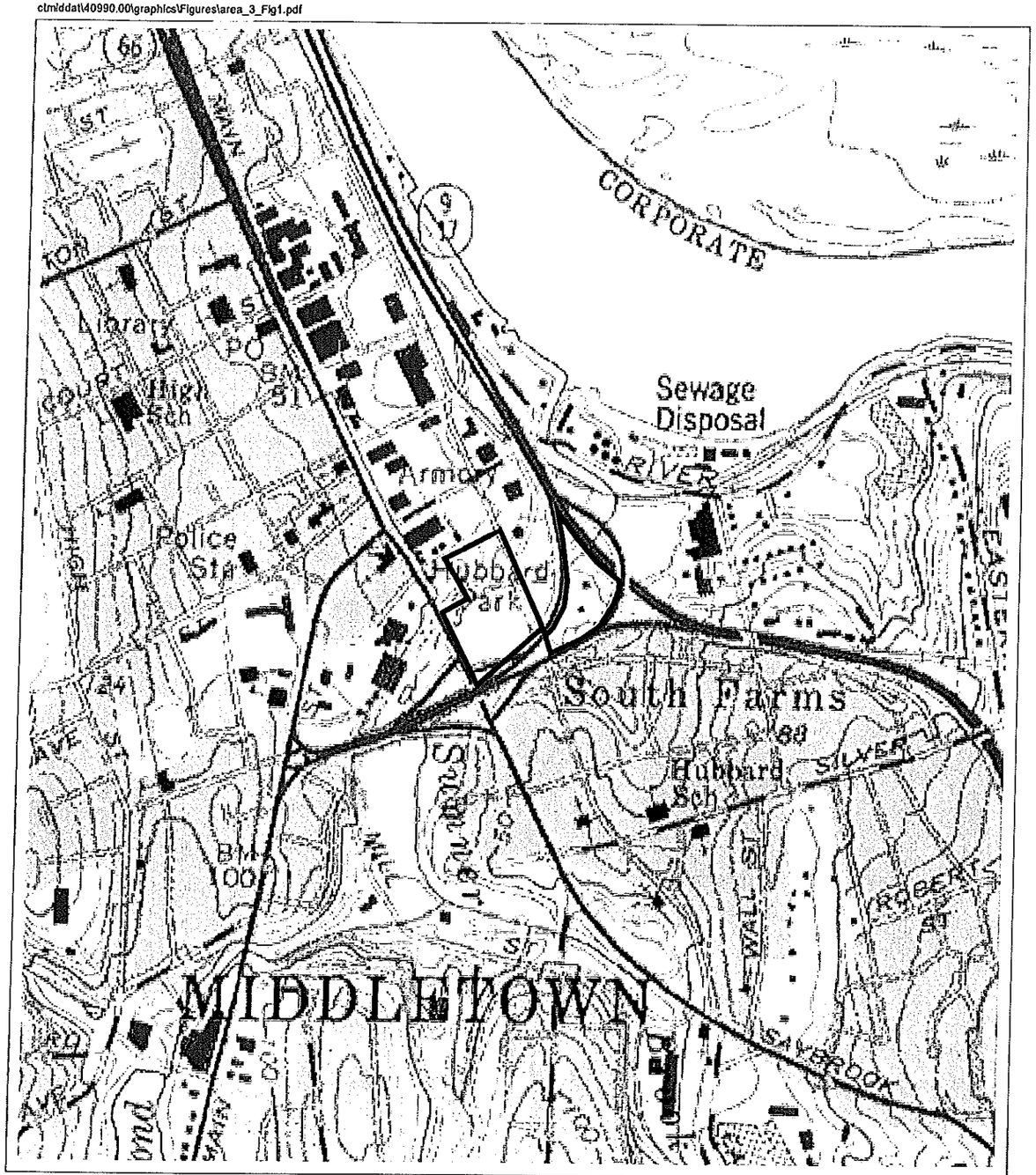

Source: U.S.G.S Quadrangle Middletown, Conn. (1992)

Site

Quadrangle Location

N

500 0 500 Feet

Vanasse Hangen Brustlin, Inc.

Figure 1
Site Location Map
Revitalization Area 3
deKoven Drive and 25 East Main Street
Middletown, Connecticut

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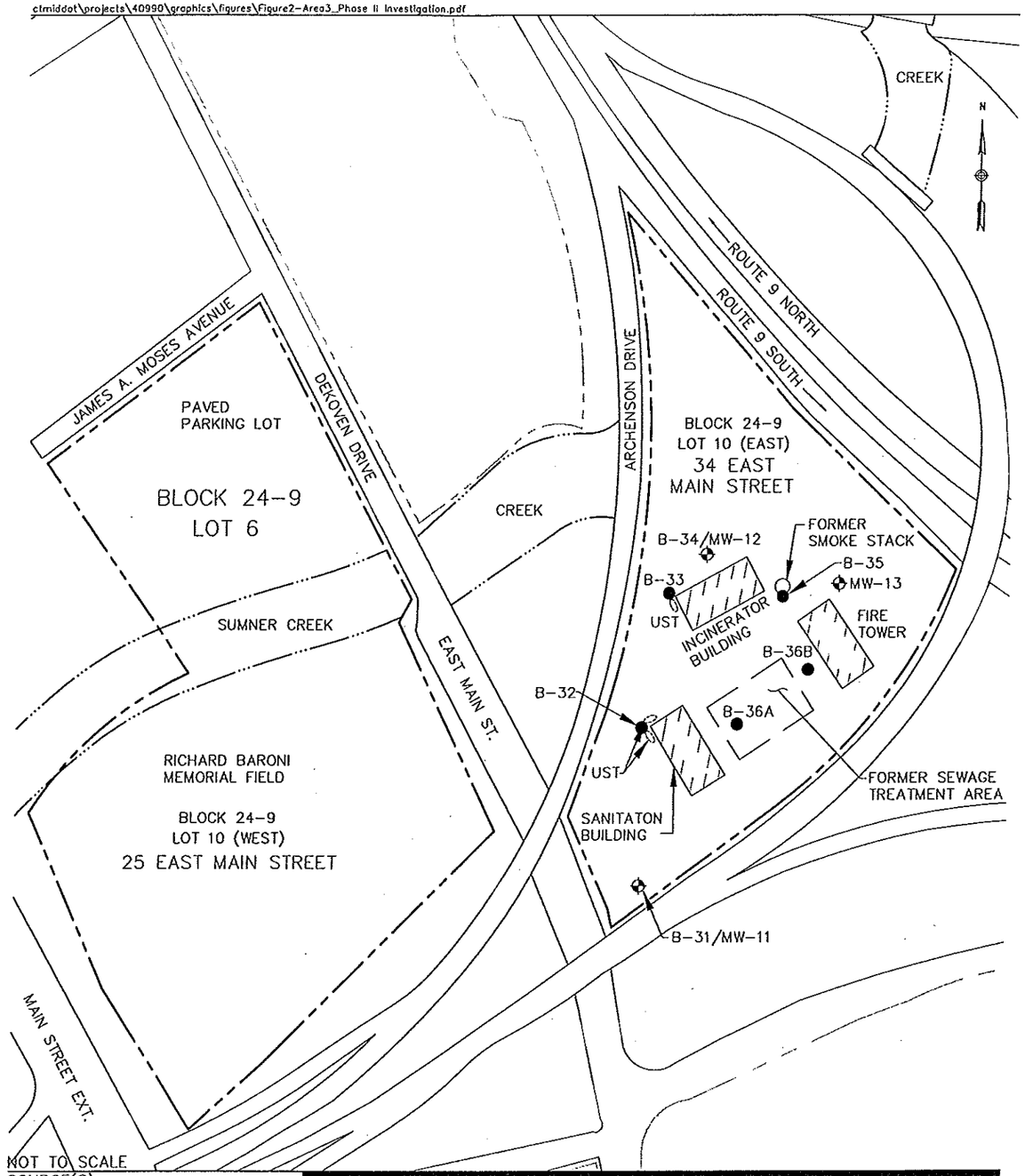

NOT TO SCALE
SOURCE(S):
CITY OF MIDDLETOWN
TAX ASSESSORS MAP NO. 34

Vanasse Hangen Brustlin, Inc.

Soil/Boring and Monitoring Well Locations
34 East Main St. (Lot 10 east)
Middletown, Connecticut

Figure 2
February 2005

LEGEND

- APPROXIMATE SITE BOUNDARY
- UST – UNDERGROUND STORAGE TANK
- GROUNDWATER MONITORING WELLS
- SOIL BORINGS

Tables

Table 1 – Field Screening Results Samples Collected February 7, 2005 34 East Main Street, Middletown, Connecticut		
Boring Identification	**Depth (feet)**	**PID Reading (ppm)**
B-31	1.5-3'	0.0
B-31	3-5'	0.0
B-31	5-7'	0.1
B-31	7-9'	0.0
B-32	1.5-3'	0.0
B-32	3-5'	0.0
B-32	5-7'	0.0
B-32	7-9'	0.0
B-32	9-11'	0.0
B-32	11-13'	0.0
B-32	13-15'	0.0
B-33	1.5-3'	0.1
B-33	3-5'	0.0
B-33	5-7'	0.1
B-33	7-9'	0.0
B-33	9-11'	0.0
B-33	11-13'	0.0
B-33	13-15'	0.0
B-34	1.5-3'	0.0
B-34	3-5'	0.0
B-34	5-7'	No recovery
B-34	7-9	0.1
B-34	9-11'	0.2
B-34	11-13'	0.2
B-35	1.5-3'	0.0
B-35	3-5'	0.0
B-35	5-7'	0.0
B-35	7-9'	No recovery
B-35	9-11'	0.0
B-35	11-13'	0.0
B-35	13-15'	0.0
B-35	15-17'	0.1
B-36(a)	1.5-3'	0.0
B-36(a)	3-4'	0.1
B-36(b)	1.5-3'	0.0
B-36(b)	3-4'	0.0

Table Notes:
ppm = parts per million; roughly equivalent to milligrams per kilogram

Table 2- Soil Sample Results
Samples collected 2/7/05
34 East Main Street, Middletown, Connecticut

Sample Number	B-31	B-32	B-33	B-34	B-35	B-36			
Area of Concern	Upgradient Well	Sanitation Bldg. USTs	Incinerator Bldg. UST	Downgradient Well	Former Incinerator Smoke Stack	Former Sewage Treatment Area	*Remediation Standard Regulations Criteria*		
Depth of soil sample	5-9	11-13	7-9	1-11	1-5	1-3	**RES DEC**	**I/C DEC**	**GB PMC**
Polychlorinated Biphenyls (mg/kg)									
PCB 1016	NA	NA	NA	<0.120	<0.110	NA	1	10	N/A
PCB-1221	NA	NA	NA	<0.120	<0.110	NA	1	10	N/A
PCB-1232	NA	NA	NA	<0.120	<0.110	NA	1	10	N/A
PCB-1242	NA	NA	NA	<0.120	<0.110	NA	1	10	N/A
PCB-1248	NA	NA	NA	<0.120	<0.110	NA	1	10	N/A
PCB-1254	NA	NA	NA	<0.120	<0.110	NA	1	10	N/A
PCB-1260	NA	NA	NA	<0.120	<0.110	NA	1	10	N/A
PCB 1262	NA	NA	NA	<0.120	<0.110	NA	1	10	N/A
PCB 1268	NA	NA	NA	<0.120	<0.110	NA	1	10	N/A
Volatile Organic Compounds (mg/kg)									
Acetone	<0.678	<0.605	<0.783	<0.618	<0.503	<0.399	500	1000	140
Acrolein	<0.272	<0.242	<0.314	<0.247	<0.201	<0.160	10	NE	0.008
Acrylonitrile	<0.068	<0.061	<0.079	<0.062	<0.050	<0.040	1.1	11	0.1
tert-Amylmethyl Ether	<0.007	<0.007	<0.008	<0.006	<0.005	<0.004	NE	NE	NE
Benzene	**0.015**	**0.010**	**0.053**	**0.033**	<0.006	<0.005	21	200	0.2
Bromobenzene	<0.014	<0.013	<0.016	<0.012	<0.010	<0.008	NE	NE	NE
Bromochloromethane	<0.014	<0.013	<0.016	<0.012	<0.010	<0.008	NE	NE	NE
Bromodichloromethane	<0.014	<0.013	<0.016	<0.012	<0.010	<0.008	9.9	92	0.11
Bromoform	<0.017	<0.015	<0.019	<0.015	<0.012	<0.010	78	720	0.8
Bromomethane	<0.017	<0.015	<0.019	<0.015	<0.012	<0.010	95	1000	2
2-Butanone (MEK)	<0.163	<0.146	<0.188	<0.148	<0.121	<0.096	500	1000	80
tert-Butyl Alcohol	<0.272	<0.242	<0.314	<0.247	<0.201	<0.160	NE	NE	NE
n-Butylbenzene	<0.010	<0.009	<0.011	<0.009	<0.007	<0.006	500	1000	14
sec-Butylbenzene	<0.009	<0.008	<0.010	<0.007	<0.006	<0.005	500	1000	14
tert-Butylbenzene	<0.011	<0.010	<0.013	<0.010	<0.008	<0.007	500	1000	14
tert-Butylethyl Ether	<0.007	<0.007	<0.008	<0.006	<0.005	<0.004	NE	NE	NE
Carbon Disulfide	**1.25**	<0.037	<0.047	<0.037	<0.030	<0.024	500	1000	140
Carbon Tetrachloride	<0.014	<0.013	<0.016	<0.012	<0.010	<0.008	4.7	44	1
Chlorobenzene	<0.009	<0.008	<0.010	<0.007	<0.006	<0.005	500	1000	20
Chlorodibromomethane	<0.014	<0.013	<0.016	<0.012	<0.010	<0.008	7.3	68	0.1
Chloroethane	<0.011	<0.010	<0.013	<0.010	<0.008	<0.007	NE	NE	NE
2-Chloroethylvinylether	<0.131	<0.117	<0.151	<0.119	<0.097	<0.077	NE	NE	NE
Chloroform	<0.028	<0.025	<0.032	<0.025	<0.020	<0.016	100	940	1.2
Chloromethane	<0.204	<0.182	<0.235	<0.186	<0.151	<0.120	47	440	0.54
2-Chlorotoluene	<0.009	<0.008	<0.010	<0.007	<0.006	<0.005	500	1000	2
4-Chlorotoluene	<0.009	<0.008	<0.010	<0.007	<0.006	<0.005	500	1000	2
1,2-Dibromo-3-Chloropropane	<0.022	<0.020	<0.026	<0.020	<0.016	<0.013	0.44	4.1	In Review
1,2-Dibromoethane	<0.010	<0.009	<0.011	<0.009	<0.007	<0.006	0.0072	0.067	In Review
Dibromomethane	<0.015	<0.014	<0.018	<0.014	<0.011	<0.009	NE	NE	NE
1,2-Dichlorobenzene	<0.011	<0.010	<0.013	<0.010	<0.008	<0.007	500	1000	3.1
1,3-Dichlorobenzene	<0.009	<0.008	<0.010	<0.007	<0.006	<0.005	500	1000	120
1,4-Dichlorobenzene	<0.011	<0.010	<0.013	<0.010	<0.008	<0.007	26	240	15
cis-1,4-Dichloro-2-Butene	<0.033	<0.030	<0.038	<0.030	<0.024	<0.020	0.07	0.62	In Review
trans-1,4-Dichloro-2-Butene	<0.029	<0.026	<0.033	<0.026	<0.021	<0.017	0.07	0.62	In Review
Dichlorodifluoromethane	<0.014	<0.013	<0.016	<0.012	<0.010	<0.008	NE	NE	NE
1,1-Dichloroethane	<0.010	<0.009	<0.011	<0.009	<0.007	<0.006	500	1000	14
1,2-Dichloroethane	<0.013	<0.011	<0.015	<0.011	<0.009	<0.008	6.7	63	0.2
1,1-Dichloroethylene	<0.009	<0.008	<0.010	<0.007	<0.006	<0.005	1	9.5	1.4
cis-1,2-Dichloroethylene	<0.014	<0.013	<0.016	<0.012	<0.010	<0.008	500	1000	14
trans-1,2-Dichloroethylene	<0.011	<0.010	<0.013	<0.010	<0.008	<0.007	500	1000	20
1,2-Dichloropropane	<0.009	<0.008	<0.010	<0.007	<0.006	<0.005	9	84	1
1,3-Dichloropropane	<0.014	<0.013	<0.016	<0.012	<0.010	<0.008	3.4	32	0.1
2,2-Dichloropropane	<0.013	<0.011	<0.015	<0.011	<0.009	<0.008	NE	NE	NE
1,1-Dichloropropene	<0.019	<0.017	<0.022	<0.017	<0.014	<0.012	NE	NE	NE
cis-1,3-Dichloropropene	<0.014	<0.013	<0.016	<0.012	<0.010	<0.008	3.4	32	0.1
trans-1,3-Dichloropropene	<0.007	<0.007	<0.008	<0.006	<0.005	<0.004	3.4	32	0.1
Diethyl Ether	<0.028	<0.025	<0.032	<0.025	<0.020	<0.016	NE	NE	NE
Diisopropyl Ether	<0.007	<0.007	<0.008	<0.006	<0.005	<0.004	NE	NE	NE
1,4-Dioxane	<0.678	<0.605	<0.783	<0.618	<0.503	<0.399	NE	NE	NE
Ethyl Benzene	<0.009	<0.008	<0.010	<0.007	<0.006	<0.005	500	1000	10.1
Ethyl Methacrylate	<0.011	<0.010	<0.013	<0.010	<0.008	<0.007	NE	NE	NE
Hexachlorobutadiene	<0.018	<0.016	<0.021	<0.016	<0.013	<0.011	7.9	73	1 #
2-Hexanone	<0.132	<0.118	<0.152	<0.120	<0.098	<0.078	NE	NE	NE
Iodomethane	<0.011	<0.010	<0.013	<0.010	<0.008	<0.007	NE	NE	NE
Isopropylbenzene	<0.009	<0.008	<0.010	<0.007	<0.006	<0.005	500	1000	132
p-Isopropyltoluene	<0.010	<0.009	<0.011	<0.009	<0.007	<0.006	NE	NE	14
Methyl-tert-buytl-ether (MTBE)	<0.011	**0.067**	<0.013	<0.010	<0.008	<0.007	500	1000	20
Methylene Chloride	<0.204	<0.182	<0.235	<0.186	<0.151	<0.120	82	760	1
Methyl isobutyl ketone (MIBK)	<0.120	<0.107	<0.138	<0.109	<0.089	<0.071	500	1000	14
Naphthalene	<0.014	<0.013	<0.016	<0.012	<0.010	<0.008	1000	2500	56
n-Propylbenzene	<0.011	<0.010	<0.013	<0.010	<0.008	<0.007	500	1000	14
Styrene	<0.010	<0.009	<0.011	<0.009	<0.007	<0.006	500	1000	20
1,1,1,2-Tetrachloroethane	<0.014	<0.013	<0.016	<0.012	<0.010	<0.008	24	220	0.2
1,1,2,2-Tetrachloroethane	<0.019	<0.017	<0.022	<0.017	<0.014	<0.012	3.1	29	0.1
Tetrachloroethylene	<0.014	<0.013	<0.016	<0.012	<0.010	<0.008	12	110	1
Tetrahydrofuran	<0.068	<0.061	<0.079	<0.062	<0.050	<0.040	NE	NE	NE
Toluene	<0.010	**0.020**	**0.027**	<0.009	<0.007	<0.006	500	1000	67
1,2,3-Trichlorobenzene	<0.010	<0.009	<0.011	<0.009	<0.007	<0.006	NE	NE	NE
1,2,4-Trichlorobenzene	<0.010	<0.009	<0.011	<0.009	<0.007	<0.006	680	2500	14
1,1,1-Trichloroethane	<0.013	<0.011	<0.015	<0.011	<0.009	<0.008	500	1000	40
1,1,2-Trichloroethane	<0.010	<0.009	<0.011	<0.009	<0.007	<0.006	11	100	1
Trichloroethylene	<0.014	<0.013	<0.016	<0.012	<0.010	**0.009**	56	520	1
Trichlorofluoromethane	<0.010	<0.009	<0.011	<0.009	<0.007	<0.006	500	1000	260
1,2,3-Trichloropropane	<0.018	<0.016	<0.021	<0.016	<0.013	<0.011	NE	NE	NE
1,2,4-Trimethylbenzene	<0.014	<0.013	<0.016	<0.012	<0.010	<0.008	500	1000	70
1,3,5-Trimethylbenzene	<0.014	<0.013	<0.016	<0.012	<0.010	<0.008	500	1000	70
Vinyl Acetate	<0.223	<0.199	<0.257	<0.203	<0.165	<0.131	NE	NE	NE
Vinyl Chloride	<0.014	<0.013	<0.016	<0.012	<0.010	<0.008	0.32	3	0.4
m + p Xylene	<0.018	<0.016	<0.021	<0.016	<0.013	<0.011	500	1000	19.5
o-Xylene	<0.014	<0.013	<0.016	<0.012	<0.010	<0.008	500	1000	19.5

TABLE NOTES:

NE - No Standard Established

NA - Not analyzed for this parameter

< - below laboratory minimum detection limits

N/A - Not applicable

RES DEC - Residential Direct Exposure Criteria

I/C DEC - Industrial/Commercial Direct Exposure Criteria

GB PMC - Pollutant Mobility Criteria

ug/kg = micrograms per killogram (roughly equivalent to parts per billion)

mg/kg = milligrams per kilogram (roughly equivalent to parts per million)

Shaded areas - indicate concentrations above applicable standard

Table 2- Soil Sample Results (continued)
Samples collected 2/7/05
34 East Main Street, Middletown, Connecticut

Sample Number	B-31	B-32	B-33	B-34	B-35	B-36	*Remediation Standard Regulations Criteria*		
Area of Concern	Upgradient Well	Sanitation Bldg. USTs	Incinerator Bldg. UST	Downgradient Well	Former Incinerator Smoke Stack	Former Sewage Treatment Area	RES	I/C	GB
Depth of soil sample	5-9	11-13	7-9	1-11	1-5	1-3	DEC	DEC	PMC
Extractable Total Petroleum Hydrocarbons (mg/kg)									
Extractable TPH (ETPH)	**93.**	<12.	<13.	**20.**	**20.**	**28.**	500	2500	2500
RCRA 8 Metals (mg/kg)									
Arsenic	<5.91	NA	NA	**11.3**	<5.48	<5.78	10	10	N/A
Barium	**56.5**	NA	NA	**340**	**38.2**	**93**	4700	140000	N/A
Cadmium	**0.78**	NA	NA	**3.69**	**0.28**	**0.26**	34	1000	N/A
Chromium	**10.4**	NA	NA	**28.9**	**9.43**	**16.4**	NE	NE	N/A
Lead	**136**	NA	NA	**449**	**11**	**15.5**	400	1000	N/A
Mercury	**0.323**	NA	NA	**0.140**	**0.231**	**0.033**	20	610	N/A
Selenium	<5.91	NA	NA	<5.99	<5.48	<5.78	340	10000	N/A
Silver	<0.59	NA	NA	**7.98**	<0.55	<0.58	340	10000	N/A
SPLP Metals (mg/L)									
Arsenic	NA	NA	NA	<0.05	NA	NA	N/A	N/A	0.5
Cadmium	NA	NA	NA	<0.002	NA	NA	N/A	N/A	0.05
Chromium	NA	NA	NA	<0.02	NA	NA	N/A	N/A	0.5
Lead	NA	NA	NA	<0.01	NA	NA	N/A	N/A	0.15
Silver	NA	NA	NA	<0.02	NA	NA	N/A	N/A	0.36
Barium	NA	NA	NA	**0.18**	NA	NA	N/A	N/A	10
Mercury	NA	NA	NA	<0.00004	NA	NA	N/A	N/A	0.02
Polynuclear Aromatic Hydrocarbons (mg/kg)									
Acenaphthene	<0.20	NA	NA	<0.20	<0.19	<0.20	1000	2500	84
Acenaphthylene	**0.22**	NA	NA	**0.24**	**0.36**	<0.20	1000	2500	84
Anthracene	**0.21**	NA	NA	**0.39**	**0.27**	<0.20	1000	2500	400
Benzo(a)anthracene	**0.53**	NA	NA	**1.54**	**1.41**	**0.62**	1	7.8	1
Benzo(a)pyrene	**0.50**	NA	NA	**1.21**	**1.22**	**0.48**	1	1	1
Benzo(b)fluoranthene	**0.56**	NA	NA	**1.50**	**1.47**	**0.63**	1	7.8	1
Benzo(g,h,i)perylene	**0.33**	NA	NA	**0.63**	**0.72**	**0.25**	1000	2500	10000
Benzo(k)fluoranthene	**0.28**	NA	NA	**0.68**	**0.76**	**0.23**	8.4	78	1
Chrysene	**0.74**	NA	NA	**1.80**	**1.52**	**0.73**	84	780	1 #
Dibenz(a,h)anthracene	<0.20	NA	NA	**0.23**	**0.23**	<0.20	1 #	1 #	1 #
Fluoranthene	**0.71**	NA	NA	**1.84**	**1.51**	**0.93**	1000	2500	56
Fluorene	<0.20	NA	NA	<0.20	<0.19	<0.20	1000	2500	56
Indeno(1,2,3-cd)pyrene	**0.31**	NA	NA	**0.68**	**0.73**	**0.27**	1 #	7.8	1 #
2-Methylnaphthalene	<0.20	NA	NA	<0.20	<0.19	<0.20	474	2500	9.8
Naphthalene	<0.20	NA	NA	<0.20	<0.19	<0.20	1000	2500	56
Phenanthrene	**0.56**	NA	NA	**1.46**	**0.86**	**0.47**	1000	2500	40
Pyrene	**1.07**	NA	NA	**2.83**	**2.30**	**1.49**	1000	2500	40

TABLE NOTES:
NE - No Standard Established
NA - Not analyzed for this parameter
< - below laboratory minimum detection limits
N/A - Not applicable
RES DEC - Residential Direct Exposure Criteria
I/C DEC - Industrial/Commercial Direct Exposure Criteria
GB PMC - Pollutant Mobility Criteria
ug/kg = micrograms per killogram (roughly equivalent to parts per billion)
mg/kg = milligrams per kilogram (roughly equivalent to parts per million)
Shaded areas - indicate concentrations above applicable standard
Bold type - indicate concentrations above detection limits but below applicable standards

Table 3 - Groundwater Sample Results
Samples Collected 2/14/05
34 East Main Street, Middletown, Connecticut

Sample Number / *Area of Concern* / *Depth to Groundwater (ft.)*	MW-11 Upgradient Well 7.5	MW-12 Downgradient Well 13	MW-13 Existing well by Fire Tower 15	*Remediation Standard Regulation Criteria* GWPC	SWPC	RES VC
Volatile Organic Compounds (ug/L)						
Acetone	<10.0	<10.0	<10.0	700	NE	50000
Acrolein	<10.0	<10.0	<10.0	0.04	NE	NE
Acrylonitrile	<0.5	<0.5	<0.5	0.5	20	NE
tert-Amylmethyl Ether	<0.5	<0.5	**32.3**	NE	NE	NE
Benzene	<0.5	<0.5	<0.5	1	710	215
Bromobenzene	<0.5	<0.5	<0.5	NE	NE	NE
Bromochloromethane	<0.5	<0.5	<0.5	NE	NE	NE
Bromodichloromethane	<0.5	<0.5	<0.5	0.56	NE	NE
Bromoform	<0.5	<0.5	<0.5	NE	NE	NE
Bromomethane	<1.0	<1.0	<1.0	9.8	NE	NE
2-Butanone (MEK)	<5.0	<5.0	<5.0	400	NE	50000
tert-Butyl Alcohol	<10.0	<10.0	<10.0	NE	NE	NE
n-Butylbenzene	<0.5	<0.5	<0.5	61	NE	NE
sec-Butylbenzene	<0.5	<0.5	<0.5	61	NE	NE
tert-Butylbenzene	<0.5	<0.5	<0.5	61	NE	NE
tert-Butylethyl Ether	<0.5	<0.5	<0.5	NE	NE	NE
Carbon Disulfide	<1.0	<1.0	<1.0	700	NE	NE
Carbon Tetrachloride	<0.5	<0.5	<0.5	5	132	16
Chlorobenzene	<0.5	<0.5	<0.5	100	420000	1800
Chlorodibromomethane	<0.5	<0.5	<0.5	0.5	1020	NE
Chloroethane	<0.5	<0.5	<0.5	NE	NE	12000
2-Chloroethylvinylether	<0.5	<0.5	<0.5	NE	NE	NE
Chloroform	<0.5	<0.5	<0.5	6	14100	287
Chloromethane	<0.5	<0.5	<0.5	2.7	NE	390
2-Chlorotoluene	<0.5	<0.5	<0.5	NE	NE	NE
4-Chlorotoluene	<0.5	<0.5	<0.5	NE	NE	NE
1,2-Dibromo-3-Chloropropane	<0.5	<0.5	<0.5	In Review	NE	NE
1,2-Dibromoethane	<0.50	<0.50	<0.50	In Review	NE	NE
Dibromomethane	<0.5	<0.5	<0.5	In Review	NE	NE
1,2-Dichlorobenzene	<0.5	<0.5	<0.5	600	170000	30500
1,3-Dichlorobenzene	<0.5	<0.5	<0.5	600	26000	24200
1,4-Dichlorobenzene	<0.5	<0.5	<0.5	75	26000	50000
cis-1,4-Dichloro-2-Butene	<0.5	<0.5	<0.5	In Review	NE	NE
trans-1,4-Dichloro-2-Butene	<0.5	<0.5	<0.5	In Review	NE	NE
Dichlorodifluoromethane	<0.5	<0.5	<0.5	NE	NE	93
1,1-Dichloroethane	<0.5	<0.5	<0.5	70	NE	34600
1,2-Dichloroethane	<0.5	<0.5	<0.5	1	2970	21
1,1-Dichloroethylene	<1.0	<1.0	<1.0	7	96	1
cis-1,2-Dichloroethylene	<0.5	<0.5	<0.5	70	NE	NE
trans-1,2-Dichloroethylene	<0.5	<0.5	<0.5	100	NE	NE
1,2-Dichloropropane	<0.5	<0.5	<0.5	5	NE	14
1,3-Dichloropropane	<0.5	<0.5	<0.5	5	NE	14
2,2-Dichloropropane	<0.5	<0.5	<0.5	NE	NE	NE
1,1-Dichloropropene	<0.5	<0.5	<0.5	NE	NE	NE
cis-1,3-Dichloropropene	<0.5	<0.5	<0.5	0.5	34000	6
trans-1,3-Dichloropropene	<0.5	<0.5	<0.5	0.5	34000	6
Diethyl Ether	<1.0	<1.0	<1.0	NE	NE	NE
Diisopropyl Ether	<0.5	<0.5	<0.5	NE	NE	NE
1,4-Dioxane	<50.0	<50.0	<50.0	NE	NE	NE
Ethyl Benzene	<0.5	<0.5	<0.5	700	580000	50000
Ethyl Methacrylate	<0.5	<0.5	<0.5	NE	NE	NE
Hexachlorobutadiene	<0.5	<0.5	<0.5	0.45	NE	NE
2-Hexanone	<5.0	<5.0	<5.0	NE	NE	NE
Iodomethane	<1.0	<1.0	<1.0	NE	NE	NE
Isopropylbenzene	<0.5	<0.5	<0.5	30	NE	2800
p-Isopropyltoluene	<0.5	<0.5	<0.5	70	NE	NE
Methyl-tert-butyl-ether (MTBE)	<0.5	**1.2**	173	100	NE	50000
Methylene Chloride	<2.0	<2.0	<2.0	5	48000	50000
Methyl isobutyl ketone (MIBK)	<5.0	<5.0	<5.0	350	NE	50000
Naphthalene	<0.5	<0.5	<0.5	280	NE	NE
n-Propylbenzene	<0.5	<0.5	<0.5	61	NE	NE
Styrene	<0.5	<0.5	<0.5	100	NE	580
1,1,1,2-Tetrachloroethane	<0.5	<0.5	<0.5	1	NE	12
1,1,2,2-Tetrachloroethane	<0.5	<0.5	<0.5	0.5	110	23
Tetrachloroethylene	<0.5	<0.5	<0.5	5	88	1500
Tetrahydrofuran	<5.0	<5.0	<5.0	NE	NE	NE
Toluene	<0.5	<0.5	<0.5	1000	4000000	23500
1,2,3-Trichlorobenzene	<0.5	<0.5	<0.5	NE	NE	NE
1,2,4-Trichlorobenzene	<0.5	<0.5	<0.5	70	NE	NE
1,1,1-Trichloroethane	<0.5	<0.5	<0.5	200	62000	20400
1,1,2-Trichloroethane	<0.5	<0.5	<0.5	5	1260	8000
Trichloroethylene	<0.5	<0.5	<0.5	5	2340	219
Trichlorofluoromethane	<1.0	<1.0	<1.0	20000	NE	NE
1,2,3-Trichloropropane	<0.5	<0.5	<0.5	NE	NE	NE
1,2,4-Trimethylbenzene	<0.5	<0.5	<0.5	350	NE	NE
1,3,5-Trimethylbenzene	<0.5	<0.5	<0.5	350	NE	NE
Vinyl Acetate	<10.0	<10.0	<10.0	NE	NE	NE
Vinyl Chloride	<0.5	<0.5	<0.5	2	15750	2
m + p Xylene	<1.0	<1.0	<1.0	530	NE	21300
o-Xylene	<0.5	<0.5	<0.5	530	NE	21300
Extractable Total Petroleum Hydrocarbons (mg/L)						
Extractable TPH (ETPH)	**0.107**	**0.141**	**0.119**	0.5	NE	NE
RCRA 8 Metals (mg/L)						
Arsenic	<0.0025	<0.0025	<0.0025	0.05	0.004	NE
Barium	**0.102**	**0.0946**	**0.637**	1	NE	NE
Cadmium	**0.0020**	**0.0020**	**0.0022**	0.005	0.006	NE
Chromium	<0.004	<0.004	<0.004	0.05	NE	NE
Lead	**0.010**	<0.002	<0.002	0.015	0.013	NE
Mercury	<0.00004	<0.00004	<0.00004	0.002	0.0004	NE
Selenium	<0.05	<0.05	<0.05	0.05	0.05	NE
Silver	<0.005	<0.005	<0.005	0.036	0.012	NE

TABLE NOTES:

NE - No Standard Established

NA - Not analyzed for this parameter

N/A - Not applicable

< - below laboratory minimum detection limits

GWPC - Groundwater Protection Criteria (GA/GAA)

SWPC - Surface water Protection Criteria

RES VC - Residential Volatilization Criteria

ug/L = micrograms per liter (roughly equivalent to parts per billion)

mg/L = milligrams per liter (roughly equivalent to parts per million)

City of Middletown

34 East Main Street

Middletown, Connecticut

- This report has been prepared for the sole and exclusive use of the City of Middletown (Client) and is subject to and issued in connection with the Agreement and the provisions thereof. Any use or reliance upon information provided in this report, without the specific written authorization of Client and VHB, shall be at User's sole risk.

- In conducting this assessment, VHB has obtained and relied upon information from multiple sources to form certain conclusions regarding potential environmental issues at and in the vicinity of the subject property. Except as otherwise noted, no attempt has been made to verify the accuracy or completeness of such information.

- The objectives of the assessment described in this report were to assess the physical characteristics of the subject property with respect to overt evidence of past or present use, storage, and/or disposal of oil or hazardous materials, as defined in applicable state and federal environmental laws and regulations, and to gather information regarding current and past operations and environmental conditions at and in the vicinity of the subject property.

- The assessment presented in this report is based solely upon information gathered to date. Should further environmental or other relevant information be developed at a later date, Client should bring the information to the attention of VHB as soon as possible. Based upon an evaluation, VHB may modify the report and its conclusions.

- In conducting this assessment, VHB has obtained and relied upon information from multiple sources to form certain conclusions regarding potential environmental issues at and in the vicinity of the subject parcel(s). Except as otherwise noted, VHB has not verified the accuracy or completeness of such information.

- The objectives of the assessment described in this report were to investigate soil and groundwater (if encountered) quality with respect to evidence of past or

present use, storage and/or disposal of oil or hazardous materials, as defined in applicable state and federal environmental law and regulations.

- The findings, observations and conclusions presented in this report, including the extent of subsurface explorations and other tests, are limited by the scope of services outlined in our Agreement. Furthermore, the assessment has been performed in accordance with generally accepted engineering practices. No other warranty, expressed or implied, is made.

  The assessment presented in this report is based solely upon information gathered to date, including a limited number of subsurface explorations made on the dates indicated. Should further environmental or other relevant information be developed at a later date, Client should bring the information to the attention of VHB as soon as possible. Based upon an evaluation, VHB may modify the report and its conclusions.

Appendix B
Soil Boring Logs

Vanasse Haugen Brustlin, Inc.

54 Tuttle Place
Middletown, CT 06457
Phone (860) 632-1500
Fax (860) 632-7879

Date: February 7, 2005
Boring Number: B-31
Well Number: MW-11

Client: City of Middletown
Project: 34 East Main Street
Location: Middletown, CT

Project Number: 40990.00
Inspector: Amy Czerwonka
Driller: Associated Borings Co, Inc.

BORING/WELL LOG

SAMPLE	Depth Range	Blows per 6" on Sampler 0-6	6-12	12-18	18-24	Recovery	Strata Change	Field Classification And Remarks (Color, Grain Size, Moisture, Etc.)
S-1	1.5-3.0'	7	6	11	X	8"	Sand Silt	Red-brown, medium to fine grained sand; some silt; - dry (Fill)
S-2	3.0-5.0'	9	6	7	7	10"	Sand Silt	Red-brown, medium to fine grained sand; some silt; some coarse to fine gravel; -dry (Fill)
S-3	**5.0-7.0'**	3	4	3	3	12"	Sand Silt	Red-brown, medium to fine grained sand; some silt; some coarse to fine gravel; - moist (Fill)
S-4	**7.0-9.0'**	8	11	13	12	13"	Silt Sand	Red-brown silt and fine grained sand; some ash - wet Bottom 3" = 1" ash + 2" light brown silt
								End of exploration 15' Groundwater at 8' <u>Well installed at 15'</u> 10' 2" PVC screen 5' 2" PVC riser Flush protector

Bold type indicates sample submitted for laboratory analysis
Equipment Used: H.S.A. Drilling Rig
Casing: H.S.A. 4¼" I.D.
Sampler: Split-Spoon 1½" I.D.
Hammer Weight: 140# Hammer Fall: 30"

PROPORTIONS USED

Trace	0 TO 10%
Little	10 TO 20%
Some	20 TO 35%
And	36 TO 60%

Vanasse Hangen Brustlin, Inc.

54 Tuttle Place
Middletown, CT 06457
Phone (860) 632-1500
Fax (860) 632-7879

Date: February 7, 2005
Boring Number: B-32
Well Number: N/A

Client: City of Middletown
Project: 34 East Main Street
Location: Middletown, CT

Project Number: 40990.00
Inspector: Amy Czerwonka
Driller: Associated Borings Co, Inc.

BORING/WELL LOG

SAMPLE	Depth Range	Blows per 6" on Sampler 0-6	6-12	12-18	18-24	Recovery	Strata Change	Field Classification And Remarks (Color, Grain Size, Moisture, Etc.)
S-1	1.5-3.0'	12	23	32	45	7"	Sand Silt	Red-brown, medium to fine grained sand; some silt; some coarse to fine gravel; - dry (Fill)
S-2	3.0-5.0'	23	27	43	49	12"	Sand Silt	Red-brown, medium to fine grained sand; some silt; some coarse to fine gravel; - dry (Fill)
S-3	5.0-7.0'	13	21	15	17	7"	Sand Silt	Red-brown, medium to fine grained sand; some silt; some coarse to fine gravel; - dry (Fill)
S-4	7.0-9.0'	5	7	6	6	2"	Silt Sand	Red-brown silt and fine grained sand - wet
S-5	9.0-11.0'	4	7	6	6	10"	Silt Sand	Red-brown silt and fine grained sand – wet
S-6	**11.0-13.0'**	3	4	2	2	10"	Silt Sand	Red-brown silt and fine grained sand – wet
S-7	13.0-15.0'	1	1	2	1	14"	Silt Sand	Red-brown silt and fine grained sand - wet
								End of exploration 15'
								Groundwater at 8'

Bold type indicates sample submitted for laboratory analysis
Equipment Used: H.S.A. Drilling Rig
Casing: H.S.A. 4¼" I.D.
Sampler: Split-Spoon 1½" I.D.
Hammer Weight: 140# Hammer Fall: 30"

PROPORTIONS USED

Trace	0 TO 10%
Little	10 TO 20%
Some	20 TO 35%
And	36 TO 60%

Vanasse Hangen Brustlin, Inc.

54 Tuttle Place
Middletown, CT 06457
Phone (860) 632-1500
Fax (860) 632-7879

Date: February 7, 2005
Boring Number: B-33
Well Number: N/A

Client: City of Middletown
Project: 34 East Main Street
Location: Middletown, CT

Project Number: 40990.00
Inspector: Amy Czerwonka
Driller: Associated Borings Co, Inc.

BORING/WELL LOG

SAMPLE	Depth Range	Blows per 6" on Sampler 0-6	6-12	12-18	18-24	Recovery	Strata Change	Field Classification And Remarks (Color, Grain Size, Moisture, Etc.)
							Gravel	
S-1	1.5-3.0'	12	13	16	22	10"	Sand Silt	Red-brown, medium to fine grained sand; some silt; some coarse to fine gravel; - dry (Fill)
S-2	3.0-5.0'	3	6	5	5	12"	Sand Silt	Red-brown, medium to fine grained sand; some silt; some coarse to fine gravel; - dry (Fill)
S-3	5.0-7.0'	1	1	1	1	13"	Sand Silt	Red-brown, medium to fine grained sand; some silt; some coarse to fine gravel; some ash – moist (Fill)
S-4	**7.0-9.0'**	1	1	1	2	12"	Ash Cinders	Red-brown, fine grained sand and loose black/brown ash – moist (Fill)
S-5	9.0-11.0'	3	2	1	2	8"	Ash Cinders	Red-brown, fine grained sand and loose black/brown ash – wet (Fill)
S-6	11.0-13.0'	2	2	3	2	7"	Ash Cinders	Red-brown, fine grained sand; some silt and loose black/brown ash – wet (Fill)
S-7	13.0-15.0'	4	3	6	4	9"	Silt Sand	Red-brown, silt and fine grained sand - wet
								End of exploration 15' Groundwater at 8'

Bold type indicates sample submitted for laboratory analysis
Equipment Used: H.S.A. Drilling Rig
Casing: H.S.A. 4¼" I.D.
Sampler: Split-Spoon 1½" I.D.
Hammer Weight: 140# Hammer Fall: 30"

PROPORTIONS USED

Trace	0 TO 10%
Little	10 TO 20%
Some	20 TO 35%
And	36 TO 60%

Vanasse Hangen Brustlin, Inc.

54 Tuttle Place
Middletown, CT 06457
Phone (860) 632-1500
Fax (860) 632-7879

Date: February 7, 2005
Boring Number: B-34
Well Number: MW-12

Client: City of Middletown
Project: 34 East Main Street
Location: Middletown, CT

Project Number: 40990.00
Inspector: Amy Czerwonka
Driller: Associated Borings Co, Inc.

BORING/WELL LOG

SAMPLE	Depth Range	Blows per 6" on Sampler 0-6	6-12	12-18	18-24	Recovery	Strata Change	Field Classification And Remarks (Color, Grain Size, Moisture, Etc.)
							Gravel	
S-1	**1.5-3.0'**	12	13	11	10	10"	Sand Silt	Red-brown, medium to fine grained sand; some silt; some coarse to fine gravel; some brown, white, and yellow ash – dry (Fill)
S-2	**3.0-5.0'**	4	7	6	6	12"	Sand Silt	Red-brown, medium to fine grained sand; some silt; some coarse to fine gravel; some black/brown ash – dry (Fill)
S-3	5.0-7.0'	1	2	1	1	0"		No recovery soil is very loose
S-4	7.0-9.0'	1	2	1	1	4"	Ash Cinders	Red-brown fine grained sand and black/brown ash - moist (Fill)
S-5	**9.0-11.0'**	1	2	1	1	4"	Ash Cinders	Red-brown fine grained sand and black/brown ash - moist (Fill)
S-6	11.0-13.0'	2	1	1	2	4"	Ash Cinders	Red-brown fine grained sand and black, brown, and grey ash - moist (Fill)
								End of exploration 20' Groundwater at 13' Well installed at 20' 10' 2" PVC screen 10' 2" PVC riser Flush protector

Bold type indicates sample submitted for laboratory analysis
Equipment Used: H.S.A. Drilling Rig
Casing: H.S.A. 4¼" I.D.
Sampler: Split-Spoon 1½" I.D.
Hammer Weight: 140# Hammer Fall: 30"

PROPORTIONS USED

Trace	0 TO 10%
Little	10 TO 20%
Some	20 TO 35%
And	36 TO 60%

Vanasse Hangen Brustlin, Inc.

54 Tuttle Place
Middletown, CT 06457
Phone (860) 632-1500
Fax (860) 632-7879

Date: February 7, 2005
Boring Number: B-35
Well Number: N/A

Client: City of Middletown
Project: 34 East Main Street
Location: Middletown, CT

Project Number: 40990.00
Inspector: Amy Czerwonka
Driller: Associated Borings Co, Inc.

BORING/WELL LOG

SAMPLE	Depth Range	Blows per 6" on Sampler 0-6	6-12	12-18	18-24	Recovery	Strata Change	Field Classification And Remarks (Color, Grain Size, Moisture, Etc.)
							Gravel	
S-1	**1.5-3.0'**	10	12	14	8	10"	Sand Silt	Red-brown, medium to fine grained sand; some silt; some coarse to fine gravel; some ash – dry (Fill)
S-2	**3.0-5.0'**	8	9	6	7	12"	Sand Silt	Red-brown, medium to fine grained sand; some silt; some coarse to fine gravel; some ash – dry (Fill)
S-3	5.0-7.0'	9	7	10	11	10"	Sand Silt	Red-brown, medium to fine grained sand; some silt; some coarse to fine gravel; some ash – dry (Fill)
S-4	7.0-9.0'	5	9	7	7	0"		No recovery
S-5	9.0-11.0'	4	5	3	3	8"	Sand Silt	Red-brown, medium to fine grained sand; some silt; some coarse to fine gravel; some ash – moist (Fill)
S-6	11.0-13.0'	2	1	3	3	2"	Sand Silt	Red-brown, medium to fine grained sand; some silt; some coarse to fine gravel; some ash – moist (Fill)
S-7	13.0-15.0'	2	3	3	2	0"		No recovery
S-8	15.0-17.0'	4	7	6	5	9"	Sand Ash	Red-brown, medium to fine grained sand; some ash black/brown ash – wet (Fill)
								End of exploration 17' Groundwater at 8'

Bold type indicates sample submitted for laboratory analysis
Equipment Used: H.S.A. Drilling Rig
Casing: H.S.A. 4¼" I.D.
Sampler: Split-Spoon 1½" I.D.
Hammer Weight: 140# Hammer Fall: 30"

PROPORTIONS USED

Trace	0 TO 10%
Little	10 TO 20%
Some	20 TO 35%
And	36 TO 60%

Vanasse Hangen Brustlin, Inc.

54 Tuttle Place
Middletown, CT 06457
Phone (860) 632-1500
Fax (860) 632-7879

Date: February 7, 2005
Boring Number: B-36
Well Number: N/A

Client: City of Middletown
Project: 34 East Main Street
Location: Middletown, CT

Project Number: 40990.00
Inspector: Amy Czerwonka
Driller: Associated Borings Co, Inc.

BORING/WELL LOG

SAMPLE	Depth Range	Blows per 6" on Sampler 0-6	6-12	12-18	18-24	Recovery	Strata Change	Field Classification And Remarks (Color, Grain Size, Moisture, Etc.)
S-1	1.5-3.0'	1	2	2	1	8"	Sand	Red-brown, medium to fine grained sand; - dry (Fill)
S-2	3.0-4.0'	2	1	X	X	8"	Sand	Red-brown, medium to fine grained sand; - dry (Fill)
								Hit concrete at 4 feet, drilled to approximately 5 feet and abandoned due to refusal.
							Gravel	Moved approximately 50 feet east to gravel drive and tried again
S-1	1.5-3.0'	5	2	2	1	10"	Sand	Red-brown, medium to fine grained sand; some gravel - dry (Fill)
S-2	3.0-4.0'	3	4	X	X	4"	Sand	Red-brown, medium to fine grained sand; some gravel - dry (Fill)
								Hit concrete at 4 feet. Abandoned due to refusal
								End of exploration 4'
								Large sink holes were observed in this area along the east side of the Sanitation Building.

Equipment Used: H.S.A. Drilling Rig
Casing: H.S.A. 4¼" I.D.
Sampler: Split-Spoon 1½" I.D.
Hammer Weight: 140# Hammer Fall: 30"

PROPORTIONS USED

Trace	0 TO 10%
Little	10 TO 20%
Some	20 TO 35%
And	36 TO 60%

Appendix C
Laboratory Analytical Reports

con-test®
ANALYTICAL LABORATORY

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

REPORT DATE 2/23/2005

VANASSE HANGEN BRUSTLIN, INC.
54 TUTTLE PLACE
MIDDLETOWN, CT 06457
ATTN: AMY CZERWONKA

CONTRACT NUMBER:
PURCHASE ORDER NUMBER: 40990.00

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMS-85921
JOB NUMBER: 40990.00

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

PROJECT LOCATION: 34 EAST MAIN ST

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST
B-31	05B04587	SOIL	UPGRADIENT SW CORNER	8260 dry weight
B-31	05B04587	SOIL	UPGRADIENT SW CORNER	etph dry weight
B-31	05B04587	SOIL	UPGRADIENT SW CORNER	metals-8 sig icp
B-31	05B04587	SOIL	UPGRADIENT SW CORNER	pah - sludge
B-31	05B04587	SOIL	UPGRADIENT SW CORNER	solids (percent)
B-32	05B04588	SOIL	NW CORNER SANITATION BLDG BY	8260 dry weight
B-32	05B04588	SOIL	NW CORNER SANITATION BLDG BY	etph dry weight
B-32	05B04588	SOIL	NW CORNER SANITATION BLDG BY	solids (percent)
B-33	05B04589	SOIL	NW CORNER INCINERATOR BLDG	8260 dry weight
B-33	05B04589	SOIL	NW CORNER INCINERATOR BLDG	etph dry weight
B-33	05B04589	SOIL	NW CORNER INCINERATOR BLDG	solids (percent)
B-34	05B04590	SOIL	DOWNGRAD. N. OF INCINERATOR	8082 drywt
B-34	05B04590	SOIL	DOWNGRAD. N. OF INCINERATOR	8260 dry weight
B-34	05B04590	SOIL	DOWNGRAD. N. OF INCINERATOR	etph dry weight
B-34	05B04590	SOIL	DOWNGRAD. N. OF INCINERATOR	metals-8 sig icp
B-34	05B04590	SOIL	DOWNGRAD. N. OF INCINERATOR	pah - sludge
B-34	05B04590	SOIL	DOWNGRAD. N. OF INCINERATOR	solids (percent)
B-35	05B04591	SOIL	SE CORNER INCI. BLDG BY SMOKE	8082 drywt
B-35	05B04591	SOIL	SE CORNER INCI. BLDG BY SMOKE	8260 dry weight
B-35	05B04591	SOIL	SE CORNER INCI. BLDG BY SMOKE	etph dry weight
B-35	05B04591	SOIL	SE CORNER INCI. BLDG BY SMOKE	metals-8 sig icp
B-35	05B04591	SOIL	SE CORNER INCI. BLDG BY SMOKE	pah - sludge
B-35	05B04591	SOIL	SE CORNER INCI. BLDG BY SMOKE	solids (percent)
B-36	05B04592	SOIL	E. OF SAN. BLDG FORMER SEWAG	8260 dry weight
B-36	05B04592	SOIL	E. OF SAN. BLDG FORMER SEWAG	etph dry weight
B-36	05B04592	SOIL	E. OF SAN. BLDG FORMER SEWAG	metals-8 sig icp
B-36	05B04592	SOIL	E. OF SAN. BLDG FORMER SEWAG	pah - sludge
B-36	05B04592	SOIL	E. OF SAN. BLDG FORMER SEWAG	solids (percent)

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ANALYTICAL LABORATORY

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

REPORT DATE 2/23/2005

VANASSE HANGEN BRUSTLIN, INC.
54 TUTTLE PLACE
MIDDLETOWN, CT 06457
ATTN: AMY CZERWONKA

CONTRACT NUMBER:
PURCHASE ORDER NUMBER: 40990.00

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMS-85921
JOB NUMBER: 40990.00

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

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

AIHA 100033	AIHA ELLAP (LEAD) 100033	
MASSACHUSETTS MA0100	NEW HAMPSHIRE NELAP 2516	NEW JERSEY NELAP NJ MA007 (AIR)
CONNECTICUT PH-0567	VERMONT DOH (LEAD) No. LL015036	ARIZONA AZ0648
NEW YORK ELAP/NELAP 10899	RHODE ISLAND (LIC. No. 112)	ARIZONA AZ0654 (AIR)

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.

Edward Denson 2/23/05

SIGNATURE DATE

Tod Kopyscinski
Director of Operations

Sondra S. Kocot
Quality Control Coordinator

Edward Denson
Technical Director

con-test®
ANALYTICAL LABORATORY

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

AMY CZERWONKA
VANASSE HANGEN BRUSTLIN, INC.
54 TUTTLE PLACE
MIDDLETOWN, CT 06457

2/23/2005

Purchase Order No.: 40990.00

Project Location: 34 EAST MAIN ST
Date Received: 2/8/2005
Field Sample # : **B-34**

LIMS-BAT #: LIMS-85921
Job Number: 40990.00

Sample ID : **05B04590** Sampled : 2/7/2005
DOWNGRAD. N. OF INCINERATOR BLDG

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
PCB 1016	mg/kg dry wt	ND	02/10/05	MFF	0.120			
PCB-1221	mg/kg dry wt	ND	02/10/05	MFF	0.120			
PCB-1232	mg/kg dry wt	ND	02/10/05	MFF	0.120			
PCB-1242	mg/kg dry wt	ND	02/10/05	MFF	0.120			
PCB-1248	mg/kg dry wt	ND	02/10/05	MFF	0.120			
PCB-1254	mg/kg dry wt	ND	02/10/05	MFF	0.120			
PCB-1260	mg/kg dry wt	ND	02/10/05	MFF	0.120			
PCB 1262	mg/kg dry wt	ND	02/10/05	MFF	0.120			
PCB 1268	mg/kg dry wt	ND	02/10/05	MFF	0.120			

Field Sample # : **B-35**

Sample ID : **05B04591** Sampled : 2/7/2005
SE CORNER INCI. BLDG BY SMOKE STACK

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
PCB 1016	mg/kg dry wt	ND	02/10/05	MFF	0.110			
PCB-1221	mg/kg dry wt	ND	02/10/05	MFF	0.110			
PCB-1232	mg/kg dry wt	ND	02/10/05	MFF	0.110			
PCB-1242	mg/kg dry wt	ND	02/10/05	MFF	0.110			
PCB-1248	mg/kg dry wt	ND	02/10/05	MFF	0.110			
PCB-1254	mg/kg dry wt	ND	02/10/05	MFF	0.110			
PCB-1260	mg/kg dry wt	ND	02/10/05	MFF	0.110			
PCB 1262	mg/kg dry wt	ND	02/10/05	MFF	0.110			
PCB 1268	mg/kg dry wt	ND	02/10/05	MFF	0.110			

Analytical Method:
SW846 8082
SAMPLES ARE EXTRACTED BY PRESSURIZED FLUID EXTRACTION OR SONICATION, IF ALLOWED, CONCENTRATED, AND ANALYZED BY GAS CHROMATOGRAPHY WITH ELECTRON CAPTURE DETECTION.

RL = Reporting Limit
ND = Not Detected
NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

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

AMY CZERWONKA
VANASSE HANGEN BRUSTLIN, INC.
54 TUTTLE PLACE
MIDDLETOWN, CT 06457

Purchase Order No.: 40990.00

Project Location: 34 EAST MAIN ST
Date Received: 2/8/2005
Field Sample # : **B-31**

LIMS-BAT #: LIMS-85921
Job Number: 40990.00

Sample ID : **05B04587**

Sampled : 2/7/2005
UPGRADIENT SW CORNER

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acetone	mg/kg dry wt	ND	02/11/05	MFF	0.678			
Acrolein	mg/kg dry wt	ND	02/11/05	MFF	0.272			
Acrylonitrile	mg/kg dry wt	ND	02/11/05	MFF	0.068			
tert-Amylmethyl Ether	mg/kg dry wt	ND	02/11/05	MFF	0.007			
Benzene	mg/kg dry wt	0.015	02/11/05	MFF	0.008			
Bromobenzene	mg/kg dry wt	ND	02/11/05	MFF	0.014			
Bromochloromethane	mg/kg dry wt	ND	02/11/05	MFF	0.014			
Bromodichloromethane	mg/kg dry wt	ND	02/11/05	MFF	0.014			
Bromoform	mg/kg dry wt	ND	02/11/05	MFF	0.017			
Bromomethane	mg/kg dry wt	ND	02/11/05	MFF	0.017			
2-Butanone (MEK)	mg/kg dry wt	ND	02/11/05	MFF	0.163			
tert-Butyl Alcohol	mg/kg dry wt	ND	02/11/05	MFF	0.272			
n-Butylbenzene	mg/kg dry wt	ND	02/11/05	MFF	0.010			
sec-Butylbenzene	mg/kg dry wt	ND	02/11/05	MFF	0.009			
tert-Butylbenzene	mg/kg dry wt	ND	02/11/05	MFF	0.011			
tert-Butylethyl Ether	mg/kg dry wt	ND	02/11/05	MFF	0.007			
Carbon Disulfide	mg/kg dry wt	1.25	02/11/05	MFF	0.041			
Carbon Tetrachloride	mg/kg dry wt	ND	02/11/05	MFF	0.014			
Chlorobenzene	mg/kg dry wt	ND	02/11/05	MFF	0.009			
Chlorodibromomethane	mg/kg dry wt	ND	02/11/05	MFF	0.014			
Chloroethane	mg/kg dry wt	ND	02/11/05	MFF	0.011			
2-Chloroethylvinylether	mg/kg dry wt	ND	02/11/05	MFF	0.131			
Chloroform	mg/kg dry wt	ND	02/11/05	MFF	0.028			
Chloromethane	mg/kg dry wt	ND	02/11/05	MFF	0.204			
2-Chlorotoluene	mg/kg dry wt	ND	02/11/05	MFF	0.009			
4-Chlorotoluene	mg/kg dry wt	ND	02/11/05	MFF	0.009			
1,2-Dibromo-3-Chloropropane	mg/kg dry wt	ND	02/11/05	MFF	0.022			
1,2-Dibromoethane	mg/kg dry wt	ND	02/11/05	MFF	0.010			
Dibromomethane	mg/kg dry wt	ND	02/11/05	MFF	0.015			
1,2-Dichlorobenzene	mg/kg dry wt	ND	02/11/05	MFF	0.011			

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NM = Not Measured

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* = See end of report for comments and notes applying to this sample

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AMY CZERWONKA
VANASSE HANGEN BRUSTLIN, INC.
54 TUTTLE PLACE
MIDDLETOWN, CT 06457

Purchase Order No.: 40990.00

Project Location: 34 EAST MAIN ST
Date Received: 2/8/2005
Field Sample # : B-31

LIMS-BAT #: LIMS-85921
Job Number: 40990.00

Sample ID : 05B04587

Sampled : 2/7/2005
UPGRADIENT SW CORNER

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
1,3-Dichlorobenzene	mg/kg dry wt	ND	02/11/05	MFF	0.009			
1,4-Dichlorobenzene	mg/kg dry wt	ND	02/11/05	MFF	0.011			
cis-1,4-Dichloro-2-Butene	mg/kg dry wt	ND	02/11/05	MFF	0.033			
trans-1,4-Dichloro-2-Butene	mg/kg dry wt	ND	02/11/05	MFF	0.029			
Dichlorodifluoromethane	mg/kg dry wt	ND	02/11/05	MFF	0.014			
1,1-Dichloroethane	mg/kg dry wt	ND	02/11/05	MFF	0.010			
1,2-Dichloroethane	mg/kg dry wt	ND	02/11/05	MFF	0.013			
1,1-Dichloroethylene	mg/kg dry wt	ND	02/11/05	MFF	0.009			
cis-1,2-Dichloroethylene	mg/kg dry wt	ND	02/11/05	MFF	0.014			
trans-1,2-Dichloroethylene	mg/kg dry wt	ND	02/11/05	MFF	0.011			
1,2-Dichloropropane	mg/kg dry wt	ND	02/11/05	MFF	0.009			
1,3-Dichloropropane	mg/kg dry wt	ND	02/11/05	MFF	0.014			
2,2-Dichloropropane	mg/kg dry wt	ND	02/11/05	MFF	0.013			
1,1-Dichloropropene	mg/kg dry wt	ND	02/11/05	MFF	0.019			
cis-1,3-Dichloropropene	mg/kg dry wt	ND	02/11/05	MFF	0.014			
trans-1,3-Dichloropropene	mg/kg dry wt	ND	02/11/05	MFF	0.007			
Diethyl Ether	mg/kg dry wt	ND	02/11/05	MFF	0.028			
Diisopropyl Ether	mg/kg dry wt	ND	02/11/05	MFF	0.007			
1,4-Dioxane	mg/kg dry wt	ND	02/11/05	MFF	0.678			
Ethyl Benzene	mg/kg dry wt	ND	02/11/05	MFF	0.009			
Ethyl Methacrylate	mg/kg dry wt	ND	02/11/05	MFF	0.011			
Hexachlorobutadiene	mg/kg dry wt	ND	02/11/05	MFF	0.018			
2-Hexanone	mg/kg dry wt	ND	02/11/05	MFF	0.132			
Iodomethane	mg/kg dry wt	ND	02/11/05	MFF	0.011			
Isopropylbenzene	mg/kg dry wt	ND	02/11/05	MFF	0.009			
p-Isopropyltoluene	mg/kg dry wt	ND	02/11/05	MFF	0.010			
MTBE	mg/kg dry wt	ND	02/11/05	MFF	0.011			
Methylene Chloride	mg/kg dry wt	ND	02/11/05	MFF	0.204			
MIBK	mg/kg dry wt	ND	02/11/05	MFF	0.120			
Naphthalene	mg/kg dry wt	ND	02/11/05	MFF	0.014			

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54 TUTTLE PLACE
MIDDLETOWN, CT 06457

Purchase Order No.: 40990.00

Project Location: 34 EAST MAIN ST
Date Received: 2/8/2005
Field Sample # : B-31

LIMS-BAT #: LIMS-85921
Job Number: 40990.00

Sample ID : 05B04587

Sampled : 2/7/2005
UPGRADIENT SW CORNER

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
n-Propylbenzene	mg/kg dry wt	ND	02/11/05	MFF	0.011			
Styrene	mg/kg dry wt	ND	02/11/05	MFF	0.010			
1,1,1,2-Tetrachloroethane	mg/kg dry wt	ND	02/11/05	MFF	0.014			
1,1,2,2-Tetrachloroethane	mg/kg dry wt	ND	02/11/05	MFF	0.019			
Tetrachloroethylene	mg/kg dry wt	ND	02/11/05	MFF	0.014			
Tetrahydrofuran	mg/kg dry wt	ND	02/11/05	MFF	0.068			
Toluene	mg/kg dry wt	ND	02/11/05	MFF	0.010			
1,2,3-Trichlorobenzene	mg/kg dry wt	ND	02/11/05	MFF	0.010			
1,2,4-Trichlorobenzene	mg/kg dry wt	ND	02/11/05	MFF	0.010			
1,1,1-Trichloroethane	mg/kg dry wt	ND	02/11/05	MFF	0.013			
1,1,2-Trichloroethane	mg/kg dry wt	ND	02/11/05	MFF	0.010			
Trichloroethylene	mg/kg dry wt	ND	02/11/05	MFF	0.014			
Trichlorofluoromethane	mg/kg dry wt	ND	02/11/05	MFF	0.010			
1,2,3-Trichloropropane	mg/kg dry wt	ND	02/11/05	MFF	0.018			
1,2,4-Trimethylbenzene	mg/kg dry wt	ND	02/11/05	MFF	0.014			
1,3,5-Trimethylbenzene	mg/kg dry wt	ND	02/11/05	MFF	0.014			
Vinyl Acetate	mg/kg dry wt	ND	02/11/05	MFF	0.223			
Vinyl Chloride	mg/kg dry wt	ND	02/11/05	MFF	0.014			
m + p Xylene	mg/kg dry wt	ND	02/11/05	MFF	0.018			
o-Xylene	mg/kg dry wt	ND	02/11/05	MFF	0.014			

Analytical Method:
SW846 8260
SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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54 TUTTLE PLACE
MIDDLETOWN, CT 06457

2/23/2005

Purchase Order No.: 40990.00

Project Location: 34 EAST MAIN ST
Date Received: 2/8/2005
Field Sample # : B-32

LIMS-BAT #: LIMS-85921
Job Number: 40990.00

Sample ID : 05B04588

Sampled : 2/7/2005
NW CORNER SANITATION BLDG BY UST

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acetone	mg/kg dry wt	ND	02/11/05	MFF	0.605			
Acrolein	mg/kg dry wt	ND	02/11/05	MFF	0.242			
Acrylonitrile	mg/kg dry wt	ND	02/11/05	MFF	0.061			
tert-Amylmethyl Ether	mg/kg dry wt	ND	02/11/05	MFF	0.007			
Benzene	mg/kg dry wt	0.010	02/11/05	MFF	0.007			
Bromobenzene	mg/kg dry wt	ND	02/11/05	MFF	0.013			
Bromochloromethane	mg/kg dry wt	ND	02/11/05	MFF	0.013			
Bromodichloromethane	mg/kg dry wt	ND	02/11/05	MFF	0.013			
Bromoform	mg/kg dry wt	ND	02/11/05	MFF	0.015			
Bromomethane	mg/kg dry wt	ND	02/11/05	MFF	0.015			
2-Butanone (MEK)	mg/kg dry wt	ND	02/11/05	MFF	0.146			
tert-Butyl Alcohol	mg/kg dry wt	ND	02/11/05	MFF	0.242			
n-Butylbenzene	mg/kg dry wt	ND	02/11/05	MFF	0.009			
sec-Butylbenzene	mg/kg dry wt	ND	02/11/05	MFF	0.008			
tert-Butylbenzene	mg/kg dry wt	ND	02/11/05	MFF	0.010			
tert-Butylethyl Ether	mg/kg dry wt	ND	02/11/05	MFF	0.007			
Carbon Disulfide	mg/kg dry wt	ND	02/11/05	MFF	0.037			
Carbon Tetrachloride	mg/kg dry wt	ND	02/11/05	MFF	0.013			
Chlorobenzene	mg/kg dry wt	ND	02/11/05	MFF	0.008			
Chlorodibromomethane	mg/kg dry wt	ND	02/11/05	MFF	0.013			
Chloroethane	mg/kg dry wt	ND	02/11/05	MFF	0.010			
2-Chloroethylvinylether	mg/kg dry wt	ND	02/11/05	MFF	0.117			
Chloroform	mg/kg dry wt	ND	02/11/05	MFF	0.025			
Chloromethane	mg/kg dry wt	ND	02/11/05	MFF	0.182			
2-Chlorotoluene	mg/kg dry wt	ND	02/11/05	MFF	0.008			
4-Chlorotoluene	mg/kg dry wt	ND	02/11/05	MFF	0.008			
1,2-Dibromo-3-Chloropropane	mg/kg dry wt	ND	02/11/05	MFF	0.020			
1,2-Dibromoethane	mg/kg dry wt	ND	02/11/05	MFF	0.009			
Dibromomethane	mg/kg dry wt	ND	02/11/05	MFF	0.014			
1,2-Dichlorobenzene	mg/kg dry wt	ND	02/11/05	MFF	0.010			

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MIDDLETOWN, CT 06457

2/23/2005

Purchase Order No.: 40990.00

Project Location: 34 EAST MAIN ST
Date Received: 2/8/2005
Field Sample # : B-32

LIMS-BAT #: LIMS-85921
Job Number: 40990.00

Sample ID : 05B04588

Sampled : 2/7/2005
NW CORNER SANITATION BLDG BY UST

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
1,3-Dichlorobenzene	mg/kg dry wt	ND	02/11/05	MFF	0.008			
1,4-Dichlorobenzene	mg/kg dry wt	ND	02/11/05	MFF	0.010			
cis-1,4-Dichloro-2-Butene	mg/kg dry wt	ND	02/11/05	MFF	0.030			
trans-1,4-Dichloro-2-Butene	mg/kg dry wt	ND	02/11/05	MFF	0.026			
Dichlorodifluoromethane	mg/kg dry wt	ND	02/11/05	MFF	0.013			
1,1-Dichloroethane	mg/kg dry wt	ND	02/11/05	MFF	0.009			
1,2-Dichloroethane	mg/kg dry wt	ND	02/11/05	MFF	0.011			
1,1-Dichloroethylene	mg/kg dry wt	ND	02/11/05	MFF	0.008			
cis-1,2-Dichloroethylene	mg/kg dry wt	ND	02/11/05	MFF	0.013			
trans-1,2-Dichloroethylene	mg/kg dry wt	ND	02/11/05	MFF	0.010			
1,2-Dichloropropane	mg/kg dry wt	ND	02/11/05	MFF	0.008			
1,3-Dichloropropane	mg/kg dry wt	ND	02/11/05	MFF	0.013			
2,2-Dichloropropane	mg/kg dry wt	ND	02/11/05	MFF	0.011			
1,1-Dichloropropene	mg/kg dry wt	ND	02/11/05	MFF	0.017			
cis-1,3-Dichloropropene	mg/kg dry wt	ND	02/11/05	MFF	0.013			
trans-1,3-Dichloropropene	mg/kg dry wt	ND	02/11/05	MFF	0.007			
Diethyl Ether	mg/kg dry wt	ND	02/11/05	MFF	0.025			
Diisopropyl Ether	mg/kg dry wt	ND	02/11/05	MFF	0.007			
1,4-Dioxane	mg/kg dry wt	ND	02/11/05	MFF	0.605			
Ethyl Benzene	mg/kg dry wt	ND	02/11/05	MFF	0.008			
Ethyl Methacrylate	mg/kg dry wt	ND	02/11/05	MFF	0.010			
Hexachlorobutadiene	mg/kg dry wt	ND	02/11/05	MFF	0.016			
2-Hexanone	mg/kg dry wt	ND	02/11/05	MFF	0.118			
Iodomethane	mg/kg dry wt	ND	02/11/05	MFF	0.010			
Isopropylbenzene	mg/kg dry wt	ND	02/11/05	MFF	0.008			
p-Isopropyltoluene	mg/kg dry wt	ND	02/11/05	MFF	0.009			
MTBE	mg/kg dry wt	0.067	02/11/05	MFF	0.010			
Methylene Chloride	mg/kg dry wt	ND	02/11/05	MFF	0.182			
MIBK	mg/kg dry wt	ND	02/11/05	MFF	0.107			
Naphthalene	mg/kg dry wt	ND	02/11/05	MFF	0.013			

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AMY CZERWONKA
VANASSE HANGEN BRUSTLIN, INC.
54 TUTTLE PLACE
MIDDLETOWN, CT 06457

2/23/2005

Purchase Order No.: 40990.00

Project Location: 34 EAST MAIN ST
Date Received: 2/8/2005
Field Sample # : B-32

LIMS-BAT #: LIMS-85921
Job Number: 40990.00

Sample ID : 05B04588

Sampled : 2/7/2005
NW CORNER SANITATION BLDG BY UST

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
n-Propylbenzene	mg/kg dry wt	ND	02/11/05	MFF	0.010			
Styrene	mg/kg dry wt	ND	02/11/05	MFF	0.009			
1,1,1,2-Tetrachloroethane	mg/kg dry wt	ND	02/11/05	MFF	0.013			
1,1,2,2-Tetrachloroethane	mg/kg dry wt	ND	02/11/05	MFF	0.017			
Tetrachloroethylene	mg/kg dry wt	ND	02/11/05	MFF	0.013			
Tetrahydrofuran	mg/kg dry wt	ND	02/11/05	MFF	0.061			
Toluene	mg/kg dry wt	0.020	02/11/05	MFF	0.008			
1,2,3-Trichlorobenzene	mg/kg dry wt	ND	02/11/05	MFF	0.009			
1,2,4-Trichlorobenzene	mg/kg dry wt	ND	02/11/05	MFF	0.009			
1,1,1-Trichloroethane	mg/kg dry wt	ND	02/11/05	MFF	0.011			
1,1,2-Trichloroethane	mg/kg dry wt	ND	02/11/05	MFF	0.009			
Trichloroethylene	mg/kg dry wt	ND	02/11/05	MFF	0.013			
Trichlorofluoromethane	mg/kg dry wt	ND	02/11/05	MFF	0.009			
1,2,3-Trichloropropane	mg/kg dry wt	ND	02/11/05	MFF	0.016			
1,2,4-Trimethylbenzene	mg/kg dry wt	ND	02/11/05	MFF	0.013			
1,3,5-Trimethylbenzene	mg/kg dry wt	ND	02/11/05	MFF	0.013			
Vinyl Acetate	mg/kg dry wt	ND	02/11/05	MFF	0.199			
Vinyl Chloride	mg/kg dry wt	ND	02/11/05	MFF	0.013			
m + p Xylene	mg/kg dry wt	ND	02/11/05	MFF	0.016			
o-Xylene	mg/kg dry wt	ND	02/11/05	MFF	0.013			

Analytical Method:
SW846 8260
SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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AMY CZERWONKA
VANASSE HANGEN BRUSTLIN, INC.
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MIDDLETOWN, CT 06457

Purchase Order No.: 40990.00

Project Location: 34 EAST MAIN ST
Date Received: 2/8/2005
Field Sample # : B-33

LIMS-BAT #: LIMS-85921
Job Number: 40990.00

Sample ID : 05B04589

Sampled : 2/7/2005
NW CORNER INCINERATOR BLDG BY UST

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acetone	mg/kg dry wt	ND	02/11/05	MFF	0.783			
Acrolein	mg/kg dry wt	ND	02/11/05	MFF	0.314			
Acrylonitrile	mg/kg dry wt	ND	02/11/05	MFF	0.079			
tert-Amylmethyl Ether	mg/kg dry wt	ND	02/11/05	MFF	0.008			
Benzene	mg/kg dry wt	0.053	02/11/05	MFF	0.009			
Bromobenzene	mg/kg dry wt	ND	02/11/05	MFF	0.016			
Bromochloromethane	mg/kg dry wt	ND	02/11/05	MFF	0.016			
Bromodichloromethane	mg/kg dry wt	ND	02/11/05	MFF	0.016			
Bromoform	mg/kg dry wt	ND	02/11/05	MFF	0.019			
Bromomethane	mg/kg dry wt	ND	02/11/05	MFF	0.019			
2-Butanone (MEK)	mg/kg dry wt	ND	02/11/05	MFF	0.188			
tert-Butyl Alcohol	mg/kg dry wt	ND	02/11/05	MFF	0.314			
n-Butylbenzene	mg/kg dry wt	ND	02/11/05	MFF	0.011			
sec-Butylbenzene	mg/kg dry wt	ND	02/11/05	MFF	0.010			
tert-Butylbenzene	mg/kg dry wt	ND	02/11/05	MFF	0.013			
tert-Butylethyl Ether	mg/kg dry wt	ND	02/11/05	MFF	0.008			
Carbon Disulfide	mg/kg dry wt	ND	02/11/05	MFF	0.047			
Carbon Tetrachloride	mg/kg dry wt	ND	02/11/05	MFF	0.016			
Chlorobenzene	mg/kg dry wt	ND	02/11/05	MFF	0.010			
Chlorodibromomethane	mg/kg dry wt	ND	02/11/05	MFF	0.016			
Chloroethane	mg/kg dry wt	ND	02/11/05	MFF	0.013			
2-Chloroethylvinylether	mg/kg dry wt	ND	02/11/05	MFF	0.151			
Chloroform	mg/kg dry wt	ND	02/11/05	MFF	0.032			
Chloromethane	mg/kg dry wt	ND	02/11/05	MFF	0.235			
2-Chlorotoluene	mg/kg dry wt	ND	02/11/05	MFF	0.010			
4-Chlorotoluene	mg/kg dry wt	ND	02/11/05	MFF	0.010			
1,2-Dibromo-3-Chloropropane	mg/kg dry wt	ND	02/11/05	MFF	0.026			
1,2-Dibromoethane	mg/kg dry wt	ND	02/11/05	MFF	0.011			
Dibromomethane	mg/kg dry wt	ND	02/11/05	MFF	0.018			
1,2-Dichlorobenzene	mg/kg dry wt	ND	02/11/05	MFF	0.013			

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2/23/2005

Purchase Order No.: 40990.00

Project Location: 34 EAST MAIN ST
Date Received: 2/8/2005
Field Sample # : B-33

LIMS-BAT #: LIMS-85921
Job Number: 40990.00

Sample ID : 05B04589

Sampled : 2/7/2005
NW CORNER INCINERATOR BLDG BY UST

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
1,3-Dichlorobenzene	mg/kg dry wt	ND	02/11/05	MFF	0.010			
1,4-Dichlorobenzene	mg/kg dry wt	ND	02/11/05	MFF	0.013			
cis-1,4-Dichloro-2-Butene	mg/kg dry wt	ND	02/11/05	MFF	0.038			
trans-1,4-Dichloro-2-Butene	mg/kg dry wt	ND	02/11/05	MFF	0.033			
Dichlorodifluoromethane	mg/kg dry wt	ND	02/11/05	MFF	0.016			
1,1-Dichloroethane	mg/kg dry wt	ND	02/11/05	MFF	0.011			
1,2-Dichloroethane	mg/kg dry wt	ND	02/11/05	MFF	0.015			
1,1-Dichloroethylene	mg/kg dry wt	ND	02/11/05	MFF	0.010			
cis-1,2-Dichloroethylene	mg/kg dry wt	ND	02/11/05	MFF	0.016			
trans-1,2-Dichloroethylene	mg/kg dry wt	ND	02/11/05	MFF	0.013			
1,2-Dichloropropane	mg/kg dry wt	ND	02/11/05	MFF	0.010			
1,3-Dichloropropane	mg/kg dry wt	ND	02/11/05	MFF	0.016			
2,2-Dichloropropane	mg/kg dry wt	ND	02/11/05	MFF	0.015			
1,1-Dichloropropene	mg/kg dry wt	ND	02/11/05	MFF	0.022			
cis-1,3-Dichloropropene	mg/kg dry wt	ND	02/11/05	MFF	0.016			
trans-1,3-Dichloropropene	mg/kg dry wt	ND	02/11/05	MFF	0.008			
Diethyl Ether	mg/kg dry wt	ND	02/11/05	MFF	0.032			
Diisopropyl Ether	mg/kg dry wt	ND	02/11/05	MFF	0.008			
1,4-Dioxane	mg/kg dry wt	ND	02/11/05	MFF	0.783			
Ethyl Benzene	mg/kg dry wt	ND	02/11/05	MFF	0.010			
Ethyl Methacrylate	mg/kg dry wt	ND	02/11/05	MFF	0.013			
Hexachlorobutadiene	mg/kg dry wt	ND	02/11/05	MFF	0.021			
2-Hexanone	mg/kg dry wt	ND	02/11/05	MFF	0.152			
Iodomethane	mg/kg dry wt	ND	02/11/05	MFF	0.013			
Isopropylbenzene	mg/kg dry wt	ND	02/11/05	MFF	0.010			
p-Isopropyltoluene	mg/kg dry wt	ND	02/11/05	MFF	0.011			
MTBE	mg/kg dry wt	ND	02/11/05	MFF	0.013			
Methylene Chloride	mg/kg dry wt	ND	02/11/05	MFF	0.235			
MIBK	mg/kg dry wt	ND	02/11/05	MFF	0.138			
Naphthalene	mg/kg dry wt	ND	02/11/05	MFF	0.016			

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* = See end of report for comments and notes applying to this sample

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AMY CZERWONKA
VANASSE HANGEN BRUSTLIN, INC.
54 TUTTLE PLACE
MIDDLETOWN, CT 06457

2/23/2005

Purchase Order No.: 40990.00

Project Location: 34 EAST MAIN ST
Date Received: 2/8/2005
Field Sample # : **B-33**

LIMS-BAT #: LIMS-85921
Job Number: 40990.00

Sample ID : **05B04589**

Sampled : 2/7/2005
NW CORNER INCINERATOR BLDG BY UST

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
n-Propylbenzene	mg/kg dry wt	ND	02/11/05	MFF	0.013			
Styrene	mg/kg dry wt	ND	02/11/05	MFF	0.011			
1,1,1,2-Tetrachloroethane	mg/kg dry wt	ND	02/11/05	MFF	0.016			
1,1,2,2-Tetrachloroethane	mg/kg dry wt	ND	02/11/05	MFF	0.022			
Tetrachloroethylene	mg/kg dry wt	ND	02/11/05	MFF	0.016			
Tetrahydrofuran	mg/kg dry wt	ND	02/11/05	MFF	0.079			
Toluene	mg/kg dry wt	0.027	02/11/05	MFF	0.011			
1,2,3-Trichlorobenzene	mg/kg dry wt	ND	02/11/05	MFF	0.011			
1,2,4-Trichlorobenzene	mg/kg dry wt	ND	02/11/05	MFF	0.011			
1,1,1-Trichloroethane	mg/kg dry wt	ND	02/11/05	MFF	0.015			
1,1,2-Trichloroethane	mg/kg dry wt	ND	02/11/05	MFF	0.011			
Trichloroethylene	mg/kg dry wt	ND	02/11/05	MFF	0.016			
Trichlorofluoromethane	mg/kg dry wt	ND	02/11/05	MFF	0.011			
1,2,3-Trichloropropane	mg/kg dry wt	ND	02/11/05	MFF	0.021			
1,2,4-Trimethylbenzene	mg/kg dry wt	ND	02/11/05	MFF	0.016			
1,3,5-Trimethylbenzene	mg/kg dry wt	ND	02/11/05	MFF	0.016			
Vinyl Acetate	mg/kg dry wt	ND	02/11/05	MFF	0.257			
Vinyl Chloride	mg/kg dry wt	ND	02/11/05	MFF	0.016			
m + p Xylene	mg/kg dry wt	ND	02/11/05	MFF	0.021			
o-Xylene	mg/kg dry wt	ND	02/11/05	MFF	0.016			

Analytical Method:
SW846 8260
SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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54 TUTTLE PLACE
MIDDLETOWN, CT 06457

2/23/2005

Purchase Order No.: 40990.00

Project Location: 34 EAST MAIN ST
Date Received: 2/8/2005
Field Sample # : B-34

LIMS-BAT #: LIMS-85921
Job Number: 40990.00

Sample ID : 05B04590

Sampled : 2/7/2005
DOWNGRAD. N. OF INCINERATOR BLDG

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acetone	mg/kg dry wt	ND	02/11/05	MFF	0.618			
Acrolein	mg/kg dry wt	ND	02/11/05	MFF	0.247			
Acrylonitrile	mg/kg dry wt	ND	02/11/05	MFF	0.062			
tert-Amylmethyl Ether	mg/kg dry wt	ND	02/11/05	MFF	0.006			
Benzene	mg/kg dry wt	0.033	02/11/05	MFF	0.007			
Bromobenzene	mg/kg dry wt	ND	02/11/05	MFF	0.012			
Bromochloromethane	mg/kg dry wt	ND	02/11/05	MFF	0.012			
Bromodichloromethane	mg/kg dry wt	ND	02/11/05	MFF	0.012			
Bromoform	mg/kg dry wt	ND	02/11/05	MFF	0.015			
Bromomethane	mg/kg dry wt	ND	02/11/05	MFF	0.015			
2-Butanone (MEK)	mg/kg dry wt	ND	02/11/05	MFF	0.148			
tert-Butyl Alcohol	mg/kg dry wt	ND	02/11/05	MFF	0.247			
n-Butylbenzene	mg/kg dry wt	ND	02/11/05	MFF	0.009			
sec-Butylbenzene	mg/kg dry wt	ND	02/11/05	MFF	0.007			
tert-Butylbenzene	mg/kg dry wt	ND	02/11/05	MFF	0.010			
tert-Butylethyl Ether	mg/kg dry wt	ND	02/11/05	MFF	0.006			
Carbon Disulfide	mg/kg dry wt	ND	02/11/05	MFF	0.037			
Carbon Tetrachloride	mg/kg dry wt	ND	02/11/05	MFF	0.012			
Chlorobenzene	mg/kg dry wt	ND	02/11/05	MFF	0.007			
Chlorodibromomethane	mg/kg dry wt	ND	02/11/05	MFF	0.012			
Chloroethane	mg/kg dry wt	ND	02/11/05	MFF	0.010			
2-Chloroethylvinylether	mg/kg dry wt	ND	02/11/05	MFF	0.119			
Chloroform	mg/kg dry wt	ND	02/11/05	MFF	0.025			
Chloromethane	mg/kg dry wt	ND	02/11/05	MFF	0.186			
2-Chlorotoluene	mg/kg dry wt	ND	02/11/05	MFF	0.007			
4-Chlorotoluene	mg/kg dry wt	ND	02/11/05	MFF	0.007			
1,2-Dibromo-3-Chloropropane	mg/kg dry wt	ND	02/11/05	MFF	0.020			
1,2-Dibromoethane	mg/kg dry wt	ND	02/11/05	MFF	0.009			
Dibromomethane	mg/kg dry wt	ND	02/11/05	MFF	0.014			
1,2-Dichlorobenzene	mg/kg dry wt	ND	02/11/05	MFF	0.010			

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2/23/2005

Purchase Order No.: 40990.00

Project Location: 34 EAST MAIN ST
Date Received: 2/8/2005
Field Sample # : **B-34**

LIMS-BAT #: LIMS-85921
Job Number: 40990.00

Sample ID : **05B04590**

Sampled : 2/7/2005
DOWNGRAD. N. OF INCINERATOR BLDG

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
1,3-Dichlorobenzene	mg/kg dry wt	ND	02/11/05	MFF	0.007			
1,4-Dichlorobenzene	mg/kg dry wt	ND	02/11/05	MFF	0.010			
cis-1,4-Dichloro-2-Butene	mg/kg dry wt	ND	02/11/05	MFF	0.030			
trans-1,4-Dichloro-2-Butene	mg/kg dry wt	ND	02/11/05	MFF	0.026			
Dichlorodifluoromethane	mg/kg dry wt	ND	02/11/05	MFF	0.012			
1,1-Dichloroethane	mg/kg dry wt	ND	02/11/05	MFF	0.009			
1,2-Dichloroethane	mg/kg dry wt	ND	02/11/05	MFF	0.011			
1,1-Dichloroethylene	mg/kg dry wt	ND	02/11/05	MFF	0.007			
cis-1,2-Dichloroethylene	mg/kg dry wt	ND	02/11/05	MFF	0.012			
trans-1,2-Dichloroethylene	mg/kg dry wt	ND	02/11/05	MFF	0.010			
1,2-Dichloropropane	mg/kg dry wt	ND	02/11/05	MFF	0.007			
1,3-Dichloropropane	mg/kg dry wt	ND	02/11/05	MFF	0.012			
2,2-Dichloropropane	mg/kg dry wt	ND	02/11/05	MFF	0.011			
1,1-Dichloropropene	mg/kg dry wt	ND	02/11/05	MFF	0.017			
cis-1,3-Dichloropropene	mg/kg dry wt	ND	02/11/05	MFF	0.012			
trans-1,3-Dichloropropene	mg/kg dry wt	ND	02/11/05	MFF	0.006			
Diethyl Ether	mg/kg dry wt	ND	02/11/05	MFF	0.025			
Diisopropyl Ether	mg/kg dry wt	ND	02/11/05	MFF	0.006			
1,4-Dioxane	mg/kg dry wt	ND	02/11/05	MFF	0.618			
Ethyl Benzene	mg/kg dry wt	ND	02/11/05	MFF	0.007			
Ethyl Methacrylate	mg/kg dry wt	ND	02/11/05	MFF	0.010			
Hexachlorobutadiene	mg/kg dry wt	ND	02/11/05	MFF	0.016			
2-Hexanone	mg/kg dry wt	ND	02/11/05	MFF	0.120			
Iodomethane	mg/kg dry wt	ND	02/11/05	MFF	0.010			
Isopropylbenzene	mg/kg dry wt	ND	02/11/05	MFF	0.007			
p-Isopropyltoluene	mg/kg dry wt	ND	02/11/05	MFF	0.009			
MTBE	mg/kg dry wt	ND	02/11/05	MFF	0.010			
Methylene Chloride	mg/kg dry wt	ND	02/11/05	MFF	0.186			
MIBK	mg/kg dry wt	ND	02/11/05	MFF	0.109			
Naphthalene	mg/kg dry wt	ND	02/11/05	MFF	0.012			

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2/23/2005

Purchase Order No.: 40990.00

Project Location: 34 EAST MAIN ST
Date Received: 2/8/2005
Field Sample # : B-34

LIMS-BAT #: LIMS-85921
Job Number: 40990.00

Sample ID : 05B04590 Sampled : 2/7/2005
DOWNGRAD. N. OF INCINERATOR BLDG

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
n-Propylbenzene	mg/kg dry wt	ND	02/11/05	MFF	0.010			
Styrene	mg/kg dry wt	ND	02/11/05	MFF	0.009			
1,1,1,2-Tetrachloroethane	mg/kg dry wt	ND	02/11/05	MFF	0.012			
1,1,2,2-Tetrachloroethane	mg/kg dry wt	ND	02/11/05	MFF	0.017			
Tetrachloroethylene	mg/kg dry wt	ND	02/11/05	MFF	0.012			
Tetrahydrofuran	mg/kg dry wt	ND	02/11/05	MFF	0.062			
Toluene	mg/kg dry wt	ND	02/11/05	MFF	0.009			
1,2,3-Trichlorobenzene	mg/kg dry wt	ND	02/11/05	MFF	0.009			
1,2,4-Trichlorobenzene	mg/kg dry wt	ND	02/11/05	MFF	0.009			
1,1,1-Trichloroethane	mg/kg dry wt	ND	02/11/05	MFF	0.011			
1,1,2-Trichloroethane	mg/kg dry wt	ND	02/11/05	MFF	0.009			
Trichloroethylene	mg/kg dry wt	ND	02/11/05	MFF	0.012			
Trichlorofluoromethane	mg/kg dry wt	ND	02/11/05	MFF	0.009			
1,2,3-Trichloropropane	mg/kg dry wt	ND	02/11/05	MFF	0.016			
1,2,4-Trimethylbenzene	mg/kg dry wt	ND	02/11/05	MFF	0.012			
1,3,5-Trimethylbenzene	mg/kg dry wt	ND	02/11/05	MFF	0.012			
Vinyl Acetate	mg/kg dry wt	ND	02/11/05	MFF	0.203			
Vinyl Chloride	mg/kg dry wt	ND	02/11/05	MFF	0.012			
m + p Xylene	mg/kg dry wt	ND	02/11/05	MFF	0.016			
o-Xylene	mg/kg dry wt	ND	02/11/05	MFF	0.012			

Analytical Method:
SW846 8260
SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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54 TUTTLE PLACE
MIDDLETOWN, CT 06457

Purchase Order No.: 40990.00

Project Location: 34 EAST MAIN ST
Date Received: 2/8/2005
Field Sample # : B-35

LIMS-BAT #: LIMS-85921
Job Number: 40990.00

Sample ID : 05B04591

Sampled : 2/7/2005
SE CORNER INCI. BLDG BY SMOKE STACK

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acetone	mg/kg dry wt	ND	02/11/05	MFF	0.503			
Acrolein	mg/kg dry wt	ND	02/11/05	MFF	0.201			
Acrylonitrile	mg/kg dry wt	ND	02/11/05	MFF	0.050			
tert-Amylmethyl Ether	mg/kg dry wt	ND	02/11/05	MFF	0.005			
Benzene	mg/kg dry wt	ND	02/11/05	MFF	0.006			
Bromobenzene	mg/kg dry wt	ND	02/11/05	MFF	0.010			
Bromochloromethane	mg/kg dry wt	ND	02/11/05	MFF	0.010			
Bromodichloromethane	mg/kg dry wt	ND	02/11/05	MFF	0.010			
Bromoform	mg/kg dry wt	ND	02/11/05	MFF	0.012			
Bromomethane	mg/kg dry wt	ND	02/11/05	MFF	0.012			
2-Butanone (MEK)	mg/kg dry wt	ND	02/11/05	MFF	0.121			
tert-Butyl Alcohol	mg/kg dry wt	ND	02/11/05	MFF	0.201			
n-Butylbenzene	mg/kg dry wt	ND	02/11/05	MFF	0.007			
sec-Butylbenzene	mg/kg dry wt	ND	02/11/05	MFF	0.006			
tert-Butylbenzene	mg/kg dry wt	ND	02/11/05	MFF	0.008			
tert-Butylethyl Ether	mg/kg dry wt	ND	02/11/05	MFF	0.005			
Carbon Disulfide	mg/kg dry wt	ND	02/11/05	MFF	0.030			
Carbon Tetrachloride	mg/kg dry wt	ND	02/11/05	MFF	0.010			
Chlorobenzene	mg/kg dry wt	ND	02/11/05	MFF	0.006			
Chlorodibromomethane	mg/kg dry wt	ND	02/11/05	MFF	0.010			
Chloroethane	mg/kg dry wt	ND	02/11/05	MFF	0.008			
2-Chloroethylvinylether	mg/kg dry wt	ND	02/11/05	MFF	0.097			
Chloroform	mg/kg dry wt	ND	02/11/05	MFF	0.020			
Chloromethane	mg/kg dry wt	ND	02/11/05	MFF	0.151			
2-Chlorotoluene	mg/kg dry wt	ND	02/11/05	MFF	0.006			
4-Chlorotoluene	mg/kg dry wt	ND	02/11/05	MFF	0.006			
1,2-Dibromo-3-Chloropropane	mg/kg dry wt	ND	02/11/05	MFF	0.016			
1,2-Dibromoethane	mg/kg dry wt	ND	02/11/05	MFF	0.007			
Dibromomethane	mg/kg dry wt	ND	02/11/05	MFF	0.011			
1,2-Dichlorobenzene	mg/kg dry wt	ND	02/11/05	MFF	0.008			

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2/23/2005

Purchase Order No.: 40990.00

Project Location: 34 EAST MAIN ST
Date Received: 2/8/2005
Field Sample # : B-35

LIMS-BAT #: LIMS-85921
Job Number: 40990.00

Sample ID : 05B04591

Sampled : 2/7/2005
SE CORNER INCI. BLDG BY SMOKE STACK

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
1,3-Dichlorobenzene	mg/kg dry wt	ND	02/11/05	MFF	0.006			
1,4-Dichlorobenzene	mg/kg dry wt	ND	02/11/05	MFF	0.008			
cis-1,4-Dichloro-2-Butene	mg/kg dry wt	ND	02/11/05	MFF	0.024			
trans-1,4-Dichloro-2-Butene	mg/kg dry wt	ND	02/11/05	MFF	0.021			
Dichlorodifluoromethane	mg/kg dry wt	ND	02/11/05	MFF	0.010			
1,1-Dichloroethane	mg/kg dry wt	ND	02/11/05	MFF	0.007			
1,2-Dichloroethane	mg/kg dry wt	ND	02/11/05	MFF	0.009			
1,1-Dichloroethylene	mg/kg dry wt	ND	02/11/05	MFF	0.006			
cis-1,2-Dichloroethylene	mg/kg dry wt	ND	02/11/05	MFF	0.010			
trans-1,2-Dichloroethylene	mg/kg dry wt	ND	02/11/05	MFF	0.008			
1,2-Dichloropropane	mg/kg dry wt	ND	02/11/05	MFF	0.006			
1,3-Dichloropropane	mg/kg dry wt	ND	02/11/05	MFF	0.010			
2,2-Dichloropropane	mg/kg dry wt	ND	02/11/05	MFF	0.009			
1,1-Dichloropropene	mg/kg dry wt	ND	02/11/05	MFF	0.014			
cis-1,3-Dichloropropene	mg/kg dry wt	ND	02/11/05	MFF	0.010			
trans-1,3-Dichloropropene	mg/kg dry wt	ND	02/11/05	MFF	0.005			
Diethyl Ether	mg/kg dry wt	ND	02/11/05	MFF	0.020			
Diisopropyl Ether	mg/kg dry wt	ND	02/11/05	MFF	0.005			
1,4-Dioxane	mg/kg dry wt	ND	02/11/05	MFF	0.503			
Ethyl Benzene	mg/kg dry wt	ND	02/11/05	MFF	0.006			
Ethyl Methacrylate	mg/kg dry wt	ND	02/11/05	MFF	0.008			
Hexachlorobutadiene	mg/kg dry wt	ND	02/11/05	MFF	0.013			
2-Hexanone	mg/kg dry wt	ND	02/11/05	MFF	0.098			
Iodomethane	mg/kg dry wt	ND	02/11/05	MFF	0.008			
Isopropylbenzene	mg/kg dry wt	ND	02/11/05	MFF	0.006			
p-Isopropyltoluene	mg/kg dry wt	ND	02/11/05	MFF	0.007			
MTBE	mg/kg dry wt	ND	02/11/05	MFF	0.008			
Methylene Chloride	mg/kg dry wt	ND	02/11/05	MFF	0.151			
MIBK	mg/kg dry wt	ND	02/11/05	MFF	0.089			
Naphthalene	mg/kg dry wt	ND	02/11/05	MFF	0.010			

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54 TUTTLE PLACE
MIDDLETOWN, CT 06457

Purchase Order No.: 40990.00

Project Location: 34 EAST MAIN ST
Date Received: 2/8/2005
Field Sample # : B-35

LIMS-BAT #: LIMS-85921
Job Number: 40990.00

Sample ID : 05B04591

Sampled : 2/7/2005
SE CORNER INCI. BLDG BY SMOKE STACK

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
n-Propylbenzene	mg/kg dry wt	ND	02/11/05	MFF	0.008			
Styrene	mg/kg dry wt	ND	02/11/05	MFF	0.007			
1,1,1,2-Tetrachloroethane	mg/kg dry wt	ND	02/11/05	MFF	0.010			
1,1,2,2-Tetrachloroethane	mg/kg dry wt	ND	02/11/05	MFF	0.014			
Tetrachloroethylene	mg/kg dry wt	ND	02/11/05	MFF	0.010			
Tetrahydrofuran	mg/kg dry wt	ND	02/11/05	MFF	0.050			
Toluene	mg/kg dry wt	ND	02/11/05	MFF	0.007			
1,2,3-Trichlorobenzene	mg/kg dry wt	ND	02/11/05	MFF	0.007			
1,2,4-Trichlorobenzene	mg/kg dry wt	ND	02/11/05	MFF	0.007			
1,1,1-Trichloroethane	mg/kg dry wt	ND	02/11/05	MFF	0.009			
1,1,2-Trichloroethane	mg/kg dry wt	ND	02/11/05	MFF	0.007			
Trichloroethylene	mg/kg dry wt	ND	02/11/05	MFF	0.010			
Trichlorofluoromethane	mg/kg dry wt	ND	02/11/05	MFF	0.007			
1,2,3-Trichloropropane	mg/kg dry wt	ND	02/11/05	MFF	0.013			
1,2,4-Trimethylbenzene	mg/kg dry wt	ND	02/11/05	MFF	0.010			
1,3,5-Trimethylbenzene	mg/kg dry wt	ND	02/11/05	MFF	0.010			
Vinyl Acetate	mg/kg dry wt	ND	02/11/05	MFF	0.165			
Vinyl Chloride	mg/kg dry wt	ND	02/11/05	MFF	0.010			
m + p Xylene	mg/kg dry wt	ND	02/11/05	MFF	0.013			
o-Xylene	mg/kg dry wt	ND	02/11/05	MFF	0.010			

Analytical Method:
SW846 8260
SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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* = See end of report for comments and notes applying to this sample

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

AMY CZERWONKA
VANASSE HANGEN BRUSTLIN, INC.
54 TUTTLE PLACE
MIDDLETOWN, CT 06457

2/23/2005

Purchase Order No.: 40990.00

Project Location: 34 EAST MAIN ST
Date Received: 2/8/2005
Field Sample # : **B-36**

LIMS-BAT #: LIMS-85921
Job Number: 40990.00

Sample ID : **05B04592**

Sampled : 2/7/2005
E. OF SAN. BLDG FORMER SEWAGE TREAT

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acetone	mg/kg dry wt	ND	02/11/05	MFF	0.399			
Acrolein	mg/kg dry wt	ND	02/11/05	MFF	0.160			
Acrylonitrile	mg/kg dry wt	ND	02/11/05	MFF	0.040			
tert-Amylmethyl Ether	mg/kg dry wt	ND	02/11/05	MFF	0.004			
Benzene	mg/kg dry wt	ND	02/11/05	MFF	0.005			
Bromobenzene	mg/kg dry wt	ND	02/11/05	MFF	0.008			
Bromochloromethane	mg/kg dry wt	ND	02/11/05	MFF	0.008			
Bromodichloromethane	mg/kg dry wt	ND	02/11/05	MFF	0.008			
Bromoform	mg/kg dry wt	ND	02/11/05	MFF	0.010			
Bromomethane	mg/kg dry wt	ND	02/11/05	MFF	0.010			
2-Butanone (MEK)	mg/kg dry wt	ND	02/11/05	MFF	0.096			
tert-Butyl Alcohol	mg/kg dry wt	ND	02/11/05	MFF	0.160			
n-Butylbenzene	mg/kg dry wt	ND	02/11/05	MFF	0.006			
sec-Butylbenzene	mg/kg dry wt	ND	02/11/05	MFF	0.005			
tert-Butylbenzene	mg/kg dry wt	ND	02/11/05	MFF	0.007			
tert-Butylethyl Ether	mg/kg dry wt	ND	02/11/05	MFF	0.004			
Carbon Disulfide	mg/kg dry wt	ND	02/11/05	MFF	0.024			
Carbon Tetrachloride	mg/kg dry wt	ND	02/11/05	MFF	0.008			
Chlorobenzene	mg/kg dry wt	ND	02/11/05	MFF	0.005			
Chlorodibromomethane	mg/kg dry wt	ND	02/11/05	MFF	0.008			
Chloroethane	mg/kg dry wt	ND	02/11/05	MFF	0.007			
2-Chloroethylvinylether	mg/kg dry wt	ND	02/11/05	MFF	0.077			
Chloroform	mg/kg dry wt	ND	02/11/05	MFF	0.016			
Chloromethane	mg/kg dry wt	ND	02/11/05	MFF	0.120			
2-Chlorotoluene	mg/kg dry wt	ND	02/11/05	MFF	0.005			
4-Chlorotoluene	mg/kg dry wt	ND	02/11/05	MFF	0.005			
1,2-Dibromo-3-Chloropropane	mg/kg dry wt	ND	02/11/05	MFF	0.013			
1,2-Dibromoethane	mg/kg dry wt	ND	02/11/05	MFF	0.006			
Dibromomethane	mg/kg dry wt	ND	02/11/05	MFF	0.009			
1,2-Dichlorobenzene	mg/kg dry wt	ND	02/11/05	MFF	0.007			

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Purchase Order No.: 40990.00

Project Location: 34 EAST MAIN ST
Date Received: 2/8/2005
Field Sample # : B-36

LIMS-BAT #: LIMS-85921
Job Number: 40990.00

Sample ID : 05B04592

Sampled : 2/7/2005
E. OF SAN. BLDG FORMER SEWAGE TREAT

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
1,3-Dichlorobenzene	mg/kg dry wt	ND	02/11/05	MFF	0.005			
1,4-Dichlorobenzene	mg/kg dry wt	ND	02/11/05	MFF	0.007			
cis-1,4-Dichloro-2-Butene	mg/kg dry wt	ND	02/11/05	MFF	0.020			
trans-1,4-Dichloro-2-Butene	mg/kg dry wt	ND	02/11/05	MFF	0.017			
Dichlorodifluoromethane	mg/kg dry wt	ND	02/11/05	MFF	0.008			
1,1-Dichloroethane	mg/kg dry wt	ND	02/11/05	MFF	0.006			
1,2-Dichloroethane	mg/kg dry wt	ND	02/11/05	MFF	0.008			
1,1-Dichloroethylene	mg/kg dry wt	ND	02/11/05	MFF	0.005			
cis-1,2-Dichloroethylene	mg/kg dry wt	ND	02/11/05	MFF	0.008			
trans-1,2-Dichloroethylene	mg/kg dry wt	ND	02/11/05	MFF	0.007			
1,2-Dichloropropane	mg/kg dry wt	ND	02/11/05	MFF	0.005			
1,3-Dichloropropane	mg/kg dry wt	ND	02/11/05	MFF	0.008			
2,2-Dichloropropane	mg/kg dry wt	ND	02/11/05	MFF	0.008			
1,1-Dichloropropene	mg/kg dry wt	ND	02/11/05	MFF	0.012			
cis-1,3-Dichloropropene	mg/kg dry wt	ND	02/11/05	MFF	0.008			
trans-1,3-Dichloropropene	mg/kg dry wt	ND	02/11/05	MFF	0.004			
Diethyl Ether	mg/kg dry wt	ND	02/11/05	MFF	0.016			
Diisopropyl Ether	mg/kg dry wt	ND	02/11/05	MFF	0.004			
1,4-Dioxane	mg/kg dry wt	ND	02/11/05	MFF	0.399			
Ethyl Benzene	mg/kg dry wt	ND	02/11/05	MFF	0.005			
Ethyl Methacrylate	mg/kg dry wt	ND	02/11/05	MFF	0.007			
Hexachlorobutadiene	mg/kg dry wt	ND	02/11/05	MFF	0.011			
2-Hexanone	mg/kg dry wt	ND	02/11/05	MFF	0.078			
Iodomethane	mg/kg dry wt	ND	02/11/05	MFF	0.007			
Isopropylbenzene	mg/kg dry wt	ND	02/11/05	MFF	0.005			
p-Isopropyltoluene	mg/kg dry wt	ND	02/11/05	MFF	0.006			
MTBE	mg/kg dry wt	ND	02/11/05	MFF	0.007			
Methylene Chloride	mg/kg dry wt	ND	02/11/05	MFF	0.120			
MIBK	mg/kg dry wt	ND	02/11/05	MFF	0.071			
Naphthalene	mg/kg dry wt	ND	02/11/05	MFF	0.008			

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2/23/2005

Purchase Order No.: 40990.00

Project Location: 34 EAST MAIN ST
Date Received: 2/8/2005
Field Sample # : B-36

LIMS-BAT #: LIMS-85921
Job Number: 40990.00

Sample ID : 05B04592

Sampled : 2/7/2005
E. OF SAN. BLDG FORMER SEWAGE TREAT

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
n-Propylbenzene	mg/kg dry wt	ND	02/11/05	MFF	0.007			
Styrene	mg/kg dry wt	ND	02/11/05	MFF	0.006			
1,1,1,2-Tetrachloroethane	mg/kg dry wt	ND	02/11/05	MFF	0.008			
1,1,2,2-Tetrachloroethane	mg/kg dry wt	ND	02/11/05	MFF	0.012			
Tetrachloroethylene	mg/kg dry wt	ND	02/11/05	MFF	0.008			
Tetrahydrofuran	mg/kg dry wt	ND	02/11/05	MFF	0.040			
Toluene	mg/kg dry wt	ND	02/11/05	MFF	0.006			
1,2,3-Trichlorobenzene	mg/kg dry wt	ND	02/11/05	MFF	0.006			
1,2,4-Trichlorobenzene	mg/kg dry wt	ND	02/11/05	MFF	0.006			
1,1,1-Trichloroethane	mg/kg dry wt	ND	02/11/05	MFF	0.008			
1,1,2-Trichloroethane	mg/kg dry wt	ND	02/11/05	MFF	0.006			
Trichloroethylene	mg/kg dry wt	0.009	02/11/05	MFF	0.008			
Trichlorofluoromethane	mg/kg dry wt	ND	02/11/05	MFF	0.006			
1,2,3-Trichloropropane	mg/kg dry wt	ND	02/11/05	MFF	0.011			
1,2,4-Trimethylbenzene	mg/kg dry wt	ND	02/11/05	MFF	0.008			
1,3,5-Trimethylbenzene	mg/kg dry wt	ND	02/11/05	MFF	0.008			
Vinyl Acetate	mg/kg dry wt	ND	02/11/05	MFF	0.131			
Vinyl Chloride	mg/kg dry wt	ND	02/11/05	MFF	0.008			
m + p Xylene	mg/kg dry wt	ND	02/11/05	MFF	0.011			
o-Xylene	mg/kg dry wt	ND	02/11/05	MFF	0.008			

Analytical Method:
SW846 8260
SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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Purchase Order No.: 40990.00

Project Location: 34 EAST MAIN ST
Date Received: 2/8/2005
Field Sample # : B-31

LIMS-BAT #: LIMS-85921
Job Number: 40990.00

Sample ID : 05B04587 Sampled : 2/7/2005
UPGRADIENT SW CORNER

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Extractable TPH (ETPH)	mg/kg dry weight	93.	02/16/05	MDT	24.			

Field Sample # : B-32

Sample ID : 05B04588 Sampled : 2/7/2005
NW CORNER SANITATION BLDG BY UST

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Extractable TPH (ETPH)	mg/kg dry weight	ND	02/16/05	MDT	12.			

Field Sample # : B-33

Sample ID : 05B04589 Sampled : 2/7/2005
NW CORNER INCINERATOR BLDG BY UST

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Extractable TPH (ETPH)	mg/kg dry weight	ND	02/16/05	MDT	13.			

Field Sample # : B-34

Sample ID : 05B04590 Sampled : 2/7/2005
DOWNGRAD. N. OF INCINERATOR BLDG

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Extractable TPH (ETPH)	mg/kg dry weight	20.	02/16/05	MDT	12.			

Field Sample # : B-35

Sample ID : 05B04591 Sampled : 2/7/2005
SE CORNER INCI. BLDG BY SMOKE STACK

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Extractable TPH (ETPH)	mg/kg dry weight	20.	02/16/05	MDT	11.			

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2/23/2005

Purchase Order No.: 40990.00

Project Location: 34 EAST MAIN ST
Date Received: 2/8/2005
Field Sample # : B-36

LIMS-BAT #: LIMS-85921
Job Number: 40990.00

Sample ID : 05B04592

Sampled : 2/7/2005
E. OF SAN. BLDG FORMER SEWAGE TREAT

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Extractable TPH (ETPH)	mg/kg dry weight	28.	02/16/05	MDT	12.			

Analytical Method:
Extractable TPH (CT ETPH)
SAMPLES ARE EXTRACTED INTO METHYLENE CHLORIDE AND ANALYZED BY GAS CHROMATOGRAPHY WITH FLAME IONIZATION DETECTION (GC/FID).

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Purchase Order No.: 40990.00

Project Location: 34 EAST MAIN ST
Date Received: 2/8/2005
Field Sample # : B-31

LIMS-BAT #: LIMS-85921
Job Number: 40990.00

Sample ID : 05B04587 Sampled : 2/7/2005
UPGRADIENT SW CORNER

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Arsenic	mg/kg dry wt	ND	02/22/05	KRL	5.91			
Barium	mg/kg dry wt	56.5	02/22/05	KRL	0.12			
Cadmium	mg/kg dry wt	0.78	02/22/05	KRL	0.06			
Chromium	mg/kg dry wt	10.4	02/22/05	KRL	0.41			
Lead	mg/kg dry wt	136.	02/22/05	KRL	2.96			
Mercury	mg/kg dry wt	0.323	02/18/05	JTB	0.006			
Selenium	mg/kg dry wt	ND	02/22/05	KRL	5.91			
Silver	mg/kg dry wt	ND	02/22/05	KRL	0.59			

Field Sample # : B-34

Sample ID : 05B04590 Sampled : 2/7/2005
DOWNGRAD. N. OF INCINERATOR BLDG

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Arsenic	mg/kg dry wt	11.3	02/22/05	KRL	5.99			
Barium	mg/kg dry wt	340.	02/22/05	KRL	0.12			
Cadmium	mg/kg dry wt	3.69	02/22/05	KRL	0.06			
Chromium	mg/kg dry wt	28.9	02/22/05	KRL	0.42			
Lead	mg/kg dry wt	449.	02/22/05	KRL	2.99			
Mercury	mg/kg dry wt	0.140	02/18/05	JTB	0.005			
Selenium	mg/kg dry wt	ND	02/22/05	KRL	5.99			
Silver	mg/kg dry wt	7.98	02/22/05	KRL	0.60			

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2/23/2005

Purchase Order No.: 40990.00

Project Location: 34 EAST MAIN ST
Date Received: 2/8/2005
Field Sample # : B-35

LIMS-BAT #: LIMS-85921
Job Number: 40990.00

Sample ID : 05B04591
Sampled : 2/7/2005
SE CORNER INCI. BLDG BY SMOKE STACK

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Arsenic	mg/kg dry wt	ND	02/22/05	KRL	5.48			
Barium	mg/kg dry wt	38.2	02/22/05	KRL	0.11			
Cadmium	mg/kg dry wt	0.28	02/22/05	KRL	0.05			
Chromium	mg/kg dry wt	9.43	02/22/05	KRL	0.38			
Lead	mg/kg dry wt	11.0	02/22/05	KRL	2.74			
Mercury	mg/kg dry wt	0.231	02/18/05	JTB	0.006			
Selenium	mg/kg dry wt	ND	02/22/05	KRL	5.48			
Silver	mg/kg dry wt	ND	02/22/05	KRL	0.55			

Field Sample # : B-36

Sample ID : 05B04592
Sampled : 2/7/2005
E. OF SAN. BLDG FORMER SEWAGE TREAT

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Arsenic	mg/kg dry wt	ND	02/22/05	KRL	5.78			
Barium	mg/kg dry wt	93.0	02/22/05	KRL	0.12			
Cadmium	mg/kg dry wt	0.26	02/22/05	KRL	0.06			
Chromium	mg/kg dry wt	16.4	02/22/05	KRL	0.40			
Lead	mg/kg dry wt	15.5	02/22/05	KRL	2.89			
Mercury	mg/kg dry wt	0.033	02/18/05	JTB	0.010			
Selenium	mg/kg dry wt	ND	02/22/05	KRL	5.78			
Silver	mg/kg dry wt	ND	02/22/05	KRL	0.58			

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2/23/2005

Purchase Order No.: 40990.00

Project Location: 34 EAST MAIN ST
Date Received: 2/8/2005

LIMS-BAT #: LIMS-85921
Job Number: 40990.00

Analytical Method: Arsenic
SW846 3050/6010
SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Barium
SW846 3050/6010
SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Cadmium
SW846 3050/6010
SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Chromium
SW846 3050/6010
SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Lead
SW846 3050/6010
SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Mercury
SW846 3050/7471
SAMPLES ARE DIGESTED WITH ACIDS AND THEN ANALYZED BY COLD VAPOR (FLAMELESS) ATOMIC ABSORPTION SPECTROPHOTOMETRY

Analytical Method: Selenium
SW846 3050/6010
SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Silver
SW846 3050/6010
SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

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2/23/2005

Purchase Order No.: 40990.00

Project Location: 34 EAST MAIN ST
Date Received: 2/8/2005
Field Sample # : **B-31**

LIMS-BAT #: LIMS-85921
Job Number: 40990.00

Sample ID : **05B04587** Sampled : 2/7/2005
UPGRADIENT SW CORNER

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	02/14/05	BGL	0.20			
Acenaphthylene	mg/kg dry wt	0.22	02/14/05	BGL	0.20			
Anthracene	mg/kg dry wt	0.21	02/14/05	BGL	0.20			
Benzo(a)anthracene	mg/kg dry wt	0.53	02/14/05	BGL	0.20			
Benzo(a)pyrene	mg/kg dry wt	0.50	02/14/05	BGL	0.20			
Benzo(b)fluoranthene	mg/kg dry wt	0.56	02/14/05	BGL	0.20			
Benzo(g,h,i)perylene	mg/kg dry wt	0.33	02/14/05	BGL	0.20			
Benzo(k)fluoranthene	mg/kg dry wt	0.28	02/14/05	BGL	0.20			
Chrysene	mg/kg dry wt	0.74	02/14/05	BGL	0.20			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	02/14/05	BGL	0.20			
Fluoranthene	mg/kg dry wt	0.71	02/14/05	BGL	0.20			
Fluorene	mg/kg dry wt	ND	02/14/05	BGL	0.20			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	0.31	02/14/05	BGL	0.20			
2-Methylnaphthalene	mg/kg dry wt	ND	02/14/05	BGL	0.20			
Naphthalene	mg/kg dry wt	ND	02/14/05	BGL	0.20			
Phenanthrene	mg/kg dry wt	0.56	02/14/05	BGL	0.20			
Pyrene	mg/kg dry wt	1.07	02/14/05	BGL	0.20			

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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Purchase Order No.: 40990.00

Project Location: 34 EAST MAIN ST
Date Received: 2/8/2005
Field Sample # : **B-34**

LIMS-BAT #: LIMS-85921
Job Number: 40990.00

Sample ID : **05B04590**

Sampled : 2/7/2005
DOWNGRAD. N. OF INCINERATOR BLDG

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	02/14/05	BGL	0.20			
Acenaphthylene	mg/kg dry wt	0.24	02/14/05	BGL	0.20			
Anthracene	mg/kg dry wt	0.39	02/14/05	BGL	0.20			
Benzo(a)anthracene	mg/kg dry wt	1.54	02/14/05	BGL	0.20			
Benzo(a)pyrene	mg/kg dry wt	1.21	02/14/05	BGL	0.20			
Benzo(b)fluoranthene	mg/kg dry wt	1.50	02/14/05	BGL	0.20			
Benzo(g,h,i)perylene	mg/kg dry wt	0.63	02/14/05	BGL	0.20			
Benzo(k)fluoranthene	mg/kg dry wt	0.68	02/14/05	BGL	0.20			
Chrysene	mg/kg dry wt	1.80	02/14/05	BGL	0.20			
Dibenz(a,h)anthracene	mg/kg dry wt	0.23	02/14/05	BGL	0.20			
Fluoranthene	mg/kg dry wt	1.84	02/14/05	BGL	0.20			
Fluorene	mg/kg dry wt	ND	02/14/05	BGL	0.20			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	0.68	02/14/05	BGL	0.20			
2-Methylnaphthalene	mg/kg dry wt	ND	02/14/05	BGL	0.20			
Naphthalene	mg/kg dry wt	ND	02/14/05	BGL	0.20			
Phenanthrene	mg/kg dry wt	1.46	02/14/05	BGL	0.20			
Pyrene	mg/kg dry wt	2.83	02/14/05	BGL	0.20			

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

RL = Reporting Limit

ND = Not Detected

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

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AMY CZERWONKA
VANASSE HANGEN BRUSTLIN, INC.
54 TUTTLE PLACE
MIDDLETOWN, CT 06457

2/23/2005

Purchase Order No.: 40990.00

Project Location: 34 EAST MAIN ST
Date Received: 2/8/2005
Field Sample # : B-35

LIMS-BAT #: LIMS-85921
Job Number: 40990.00

Sample ID : 05B04591

Sampled : 2/7/2005
SE CORNER INCI. BLDG BY SMOKE STACK

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	02/14/05	BGL	0.19			
Acenaphthylene	mg/kg dry wt	0.36	02/14/05	BGL	0.18			
Anthracene	mg/kg dry wt	0.27	02/14/05	BGL	0.18			
Benzo(a)anthracene	mg/kg dry wt	1.41	02/14/05	BGL	0.18			
Benzo(a)pyrene	mg/kg dry wt	1.22	02/14/05	BGL	0.18			
Benzo(b)fluoranthene	mg/kg dry wt	1.47	02/14/05	BGL	0.18			
Benzo(g,h,i)perylene	mg/kg dry wt	0.72	02/14/05	BGL	0.18			
Benzo(k)fluoranthene	mg/kg dry wt	0.76	02/14/05	BGL	0.18			
Chrysene	mg/kg dry wt	1.52	02/14/05	BGL	0.18			
Dibenz(a,h)anthracene	mg/kg dry wt	0.23	02/14/05	BGL	0.18			
Fluoranthene	mg/kg dry wt	1.51	02/14/05	BGL	0.18			
Fluorene	mg/kg dry wt	ND	02/14/05	BGL	0.19			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	0.73	02/14/05	BGL	0.18			
2-Methylnaphthalene	mg/kg dry wt	ND	02/14/05	BGL	0.19			
Naphthalene	mg/kg dry wt	ND	02/14/05	BGL	0.19			
Phenanthrene	mg/kg dry wt	0.86	02/14/05	BGL	0.18			
Pyrene	mg/kg dry wt	2.30	02/14/05	BGL	0.18			

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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54 TUTTLE PLACE
MIDDLETOWN, CT 06457

2/23/2005

Purchase Order No.: 40990.00

Project Location: 34 EAST MAIN ST
Date Received: 2/8/2005
Field Sample # : B-36

LIMS-BAT #: LIMS-85921
Job Number: 40990.00

Sample ID : 05B04592

Sampled : 2/7/2005
E. OF SAN. BLDG FORMER SEWAGE TREAT

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	02/14/05	BGL	0.20			
Acenaphthylene	mg/kg dry wt	ND	02/14/05	BGL	0.20			
Anthracene	mg/kg dry wt	ND	02/14/05	BGL	0.20			
Benzo(a)anthracene	mg/kg dry wt	0.62	02/14/05	BGL	0.19			
Benzo(a)pyrene	mg/kg dry wt	0.48	02/14/05	BGL	0.19			
Benzo(b)fluoranthene	mg/kg dry wt	0.63	02/14/05	BGL	0.19			
Benzo(g,h,i)perylene	mg/kg dry wt	0.25	02/14/05	BGL	0.19			
Benzo(k)fluoranthene	mg/kg dry wt	0.23	02/14/05	BGL	0.19			
Chrysene	mg/kg dry wt	0.73	02/14/05	BGL	0.19			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	02/14/05	BGL	0.20			
Fluoranthene	mg/kg dry wt	0.93	02/14/05	BGL	0.19			
Fluorene	mg/kg dry wt	ND	02/14/05	BGL	0.20			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	0.27	02/14/05	BGL	0.19			
2-Methylnaphthalene	mg/kg dry wt	ND	02/14/05	BGL	0.20			
Naphthalene	mg/kg dry wt	ND	02/14/05	BGL	0.20			
Phenanthrene	mg/kg dry wt	0.47	02/14/05	BGL	0.19			
Pyrene	mg/kg dry wt	1.49	02/14/05	BGL	0.19			

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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2/23/2005

Purchase Order No.: 40990.00

Project Location: 34 EAST MAIN ST
Date Received: 2/8/2005
Field Sample # : B-31

LIMS-BAT #: LIMS-85921
Job Number: 40990.00

Sample ID : 05B04587 Sampled : 2/7/2005
UPGRADIENT SW CORNER

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	84.6	02/11/05	KFD				

Field Sample # : B-32

Sample ID : 05B04588 Sampled : 2/7/2005
NW CORNER SANITATION BLDG BY UST

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	88.8	02/11/05	KFD				

Field Sample # : B-33

Sample ID : 05B04589 Sampled : 2/7/2005
NW CORNER INCINERATOR BLDG BY UST

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	77.1	02/11/05	KFD				

Field Sample # : B-34

Sample ID : 05B04590 Sampled : 2/7/2005
DOWNGRAD. N. OF INCINERATOR BLDG

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	83.5	02/11/05	KFD				

Field Sample # : B-35

Sample ID : 05B04591 Sampled : 2/7/2005
SE CORNER INCI. BLDG BY SMOKE STACK

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	91.3	02/11/05	KFD				

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2/23/2005

Purchase Order No.: 40990.00

Project Location: 34 EAST MAIN ST
Date Received: 2/8/2005
Field Sample # : **B-36**

LIMS-BAT #: LIMS-85921
Job Number: 40990.00

Sample ID : **05B04592**

Sampled : 2/7/2005
E. OF SAN. BLDG FORMER SEWAGE TREAT

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	86.5	02/11/05	KFD				

Analytical Method:
SM 2540G
PERCENT OF SAMPLE REMAINING AFTER DRYING OVERNIGHT AT 103-105 DEGREES CENTIGRADE.

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MIDDLETOWN, CT 06457

2/23/2005

Purchase Order No.: 40990.00

Project Location: 34 EAST MAIN ST
Date Received: 2/8/2005

LIMS-BAT #: LIMS-85921
Job Number: 40990.00

** END OF REPORT **

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 2/23/2005 Lims Bat # : LIMS-85921

QC Batch Number: GC/ECD-6951

Sample Id	Analysis	QC Analysis	Values	Units	Limits
05B04590					
	Decachlorobiphenyl	Surrogate Recovery	82.7	%	30-150
	Tetrachloro-m-Xylene	Surrogate Recovery	94.8	%	30-150
05B04591					
	Decachlorobiphenyl	Surrogate Recovery	81.7	%	30-150
	Tetrachloro-m-Xylene	Surrogate Recovery	95.6	%	30-150
BLANK-70004					
	PCB-1232	Blank	<0.100	mg/kg dry wt	
	PCB-1242	Blank	<0.100	mg/kg dry wt	
	PCB-1254	Blank	<0.100	mg/kg dry wt	
	PCB-1260	Blank	<0.100	mg/kg dry wt	
	PCB-1248	Blank	<0.100	mg/kg dry wt	
	PCB-1221	Blank	<0.100	mg/kg dry wt	
	PCB 1016	Blank	<0.100	mg/kg dry wt	
	PCB 1262	Blank	<0.100	mg/kg dry wt	
	PCB 1268	Blank	<0.100	mg/kg dry wt	
LFBLANK-39178					
	PCB-1260	Lab Fort Blank Amt.	0.250	mg/kg dry wt	
		Lab Fort Blk. Found	0.309	mg/kg dry wt	
		Lab Fort Blk. % Rec.	123.720	%	40-140
		Dup Lab Fort Bl Amt.	0.250	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.298	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	119.120	%	
		Lab Fort Blank Range	4.600	units	
		Lab Fort Bl. Av. Rec	121.420	%	
		LFB Duplicate RPD	3.789	%	
	PCB 1016	Lab Fort Blank Amt.	0.250	mg/kg dry wt	
		Lab Fort Blk. Found	0.297	mg/kg dry wt	
		Lab Fort Blk. % Rec.	118.720	%	40-140
		Dup Lab Fort Bl Amt.	0.250	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.296	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	118.520	%	
		Lab Fort Blank Range	0.200	units	
		Lab Fort Bl. Av. Rec	118.620	%	
		LFB Duplicate RPD	0.169	%	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 2/23/2005 Lims Bat # : LIMS-85921

QC Batch Number: GC/FID-12608

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-70208					
	Extractable TPH (ETPH)	Blank	<10.	mg/kg dry weig	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 2/23/2005 Lims Bat # : LIMS-85921

QC Batch Number: GCMS/SEMI-6517

Sample Id	Analysis	QC Analysis	Values	Units	Limits
05B04587					
	Nitrobenzene-d5	Surrogate Recovery	76.0	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	75.4	%	30-130
	Terphenyl-d14	Surrogate Recovery	86.5	%	30-130
05B04590					
	Nitrobenzene-d5	Surrogate Recovery	72.6	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	66.6	%	30-130
	Terphenyl-d14	Surrogate Recovery	86.6	%	30-130
05B04591					
	Nitrobenzene-d5	Surrogate Recovery	76.3	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	71.3	%	30-130
	Terphenyl-d14	Surrogate Recovery	84.2	%	30-130
05B04592					
	Nitrobenzene-d5	Surrogate Recovery	70.8	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	69.0	%	30-130
	Terphenyl-d14	Surrogate Recovery	79.4	%	30-130
BLANK-70105					
	Naphthalene	Blank	<0.17	mg/kg dry wt	
	Acenaphthene	Blank	<0.17	mg/kg dry wt	
	Acenaphthylene	Blank	<0.17	mg/kg dry wt	
	Anthracene	Blank	<0.17	mg/kg dry wt	
	Benzo(a)anthracene	Blank	<0.17	mg/kg dry wt	
	Benzo(a)pyrene	Blank	<0.17	mg/kg dry wt	
	Benzo(b)fluoranthene	Blank	<0.17	mg/kg dry wt	
	Benzo(g,h,i)perylene	Blank	<0.17	mg/kg dry wt	
	Chrysene	Blank	<0.17	mg/kg dry wt	
	Dibenz(a,h)anthracene	Blank	<0.17	mg/kg dry wt	
	Fluoranthene	Blank	<0.17	mg/kg dry wt	
	Fluorene	Blank	<0.17	mg/kg dry wt	
	Indeno(1,2,3-cd)pyrene	Blank	<0.17	mg/kg dry wt	
	2-Methylnaphthalene	Blank	<0.17	mg/kg dry wt	
	Phenanthrene	Blank	<0.17	mg/kg dry wt	
	Pyrene	Blank	<0.17	mg/kg dry wt	
	Benzo(k)fluoranthene	Blank	<0.17	mg/kg dry wt	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QC Batch Number: GCMS/VOL-11455

Sample Id	Analysis	QC Analysis	Values	Units	Limits
05B04587					
	1,2-Dichloroethane-d4	Surrogate Recovery	122.440	%	70-130
	Toluene-d8	Surrogate Recovery	92.240	%	70-130
	Bromofluorobenzene	Surrogate Recovery	87.080	%	70-130
05B04588					
	1,2-Dichloroethane-d4	Surrogate Recovery	107.320	%	70-130
	Toluene-d8	Surrogate Recovery	97.800	%	70-130
	Bromofluorobenzene	Surrogate Recovery	90.200	%	70-130
05B04589					
	1,2-Dichloroethane-d4	Surrogate Recovery	106.480	%	70-130
	Toluene-d8	Surrogate Recovery	88.560	%	70-130
	Bromofluorobenzene	Surrogate Recovery	84.720	%	70-130
05B04590					
	1,2-Dichloroethane-d4	Surrogate Recovery	123.080	%	70-130
	Toluene-d8	Surrogate Recovery	99.440	%	70-130
	Bromofluorobenzene	Surrogate Recovery	108.920	%	70-130
05B04591					
	1,2-Dichloroethane-d4	Surrogate Recovery	108.400	%	70-130
	Toluene-d8	Surrogate Recovery	103.640	%	70-130
	Bromofluorobenzene	Surrogate Recovery	113.000	%	70-130
05B04592					
	1,2-Dichloroethane-d4	Surrogate Recovery	102.480	%	70-130
	Toluene-d8	Surrogate Recovery	107.040	%	70-130
	Bromofluorobenzene	Surrogate Recovery	96.040	%	70-130
BLANK-70084					
	Acetone	Blank	<0.100	mg/kg dry wt	
	Benzene	Blank	<0.001	mg/kg dry wt	
	Carbon Tetrachloride	Blank	<0.002	mg/kg dry wt	
	Chloroform	Blank	<0.004	mg/kg dry wt	
	1,2-Dichloroethane	Blank	<0.002	mg/kg dry wt	
	1,4-Dichlorobenzene	Blank	<0.002	mg/kg dry wt	
	Ethyl Benzene	Blank	<0.001	mg/kg dry wt	
	2-Butanone (MEK)	Blank	<0.024	mg/kg dry wt	
	MIBK	Blank	<0.018	mg/kg dry wt	
	Naphthalene	Blank	<0.002	mg/kg dry wt	
	Styrene	Blank	<0.001	mg/kg dry wt	
	Tetrachloroethylene	Blank	<0.002	mg/kg dry wt	
	Toluene	Blank	<0.001	mg/kg dry wt	
	1,1,1-Trichloroethane	Blank	<0.002	mg/kg dry wt	
	Trichloroethylene	Blank	<0.002	mg/kg dry wt	
	Trichlorofluoromethane	Blank	<0.001	mg/kg dry wt	
	o-Xylene	Blank	<0.002	mg/kg dry wt	
	m + p Xylene	Blank	<0.003	mg/kg dry wt	
	1,2-Dichlorobenzene	Blank	<0.002	mg/kg dry wt	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 2/23/2005 Lims Bat # : LIMS-85921

QC Batch Number: GCMS/VOL-11455

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-70084					
	1,3-Dichlorobenzene	Blank	<0.001	mg/kg dry wt	
	1,1-Dichloroethane	Blank	<0.001	mg/kg dry wt	
	1,1-Dichloroethylene	Blank	<0.001	mg/kg dry wt	
	1,4-Dioxane	Blank	<0.100	mg/kg dry wt	
	MTBE	Blank	<0.002	mg/kg dry wt	
	trans-1,2-Dichloroethylene	Blank	<0.002	mg/kg dry wt	
	Vinyl Chloride	Blank	<0.002	mg/kg dry wt	
	Methylene Chloride	Blank	<0.030	mg/kg dry wt	
	Chlorobenzene	Blank	<0.001	mg/kg dry wt	
	Chloromethane	Blank	<0.030	mg/kg dry wt	
	Bromomethane	Blank	<0.002	mg/kg dry wt	
	Chloroethane	Blank	<0.002	mg/kg dry wt	
	cis-1,3-Dichloropropene	Blank	<0.002	mg/kg dry wt	
	trans-1,3-Dichloropropene	Blank	<0.001	mg/kg dry wt	
	Chlorodibromomethane	Blank	<0.002	mg/kg dry wt	
	1,1,2-Trichloroethane	Blank	<0.001	mg/kg dry wt	
	2-Chloroethylvinylether	Blank	<0.019	mg/kg dry wt	
	Bromoform	Blank	<0.002	mg/kg dry wt	
	1,1,2,2-Tetrachloroethane	Blank	<0.003	mg/kg dry wt	
	2-Chlorotoluene	Blank	<0.001	mg/kg dry wt	
	Hexachlorobutadiene	Blank	<0.003	mg/kg dry wt	
	Isopropylbenzene	Blank	<0.001	mg/kg dry wt	
	p-Isopropyltoluene	Blank	<0.001	mg/kg dry wt	
	n-Propylbenzene	Blank	<0.002	mg/kg dry wt	
	sec-Butylbenzene	Blank	<0.001	mg/kg dry wt	
	tert-Butylbenzene	Blank	<0.002	mg/kg dry wt	
	1,2,3-Trichlorobenzene	Blank	<0.001	mg/kg dry wt	
	1,2,4-Trichlorobenzene	Blank	<0.001	mg/kg dry wt	
	1,2,4-Trimethylbenzene	Blank	<0.002	mg/kg dry wt	
	1,3,5-Trimethylbenzene	Blank	<0.002	mg/kg dry wt	
	4-Chlorotoluene	Blank	<0.001	mg/kg dry wt	
	Dibromomethane	Blank	<0.002	mg/kg dry wt	
	cis-1,2-Dichloroethylene	Blank	<0.002	mg/kg dry wt	
	1,1-Dichloropropene	Blank	<0.003	mg/kg dry wt	
	1,2-Dichloropropane	Blank	<0.001	mg/kg dry wt	
	1,3-Dichloropropane	Blank	<0.002	mg/kg dry wt	
	2,2-Dichloropropane	Blank	<0.002	mg/kg dry wt	
	1,1,1,2-Tetrachloroethane	Blank	<0.002	mg/kg dry wt	
	1,2,3-Trichloropropane	Blank	<0.003	mg/kg dry wt	
	n-Butylbenzene	Blank	<0.001	mg/kg dry wt	
	Dichlorodifluoromethane	Blank	<0.002	mg/kg dry wt	
	Bromochloromethane	Blank	<0.002	mg/kg dry wt	
	Bromobenzene	Blank	<0.002	mg/kg dry wt	

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

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 2/23/2005 Lims Bat # : LIMS-85921

QC Batch Number: GCMS/VOL-11455

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-70084					
	Iodomethane	Blank	<0.002	mg/kg dry wt	
	Acrolein	Blank	<0.040	mg/kg dry wt	
	Acrylonitrile	Blank	<0.010	mg/kg dry wt	
	Carbon Disulfide	Blank	<0.006	mg/kg dry wt	
	Vinyl Acetate	Blank	<0.033	mg/kg dry wt	
	2-Hexanone	Blank	<0.019	mg/kg dry wt	
	trans-1,4-Dichloro-2-Butene	Blank	<0.004	mg/kg dry wt	
	Ethyl Methacrylate	Blank	<0.002	mg/kg dry wt	
	cis-1,4-Dichloro-2-Butene	Blank	<0.005	mg/kg dry wt	
	Diethyl Ether	Blank	<0.004	mg/kg dry wt	
	Bromodichloromethane	Blank	<0.002	mg/kg dry wt	
	1,2-Dibromo-3-Chloropropane	Blank	<0.003	mg/kg dry wt	
	1,2-Dibromoethane	Blank	<0.001	mg/kg dry wt	
	Tetrahydrofuran	Blank	<0.010	mg/kg dry wt	
	tert-Butyl Alcohol	Blank	<0.040	mg/kg dry wt	
	Diisopropyl Ether	Blank	<0.001	mg/kg dry wt	
	tert-Butylethyl Ether	Blank	<0.001	mg/kg dry wt	
	tert-Amylmethyl Ether	Blank	<0.001	mg/kg dry wt	
LFBLANK-39227					
	Acetone	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.041	mg/kg dry wt	
		Lab Fort Blk. % Rec.	103.150	%	50-155
	Benzene	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.045	mg/kg dry wt	
		Lab Fort Blk. % Rec.	112.500	%	70-130
	Carbon Tetrachloride	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.062	mg/kg dry wt	
		Lab Fort Blk. % Rec.	155.100	%	70-130
	Chloroform	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.038	mg/kg dry wt	
		Lab Fort Blk. % Rec.	94.250	%	70-130
	1,2-Dichloroethane	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.038	mg/kg dry wt	
		Lab Fort Blk. % Rec.	95.750	%	70-130
	1,4-Dichlorobenzene	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.041	mg/kg dry wt	
		Lab Fort Blk. % Rec.	102.800	%	70-130
	Ethyl Benzene	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.050	mg/kg dry wt	
		Lab Fort Blk. % Rec.	125.100	%	70-130
	2-Butanone (MEK)	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.058	mg/kg dry wt	
		Lab Fort Blk. % Rec.	146.000	%	50-155

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LFBLANK-39227					
	MIBK	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.061	mg/kg dry wt	
		Lab Fort Blk. % Rec.	151.900	%	50-155
	Naphthalene	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.049	mg/kg dry wt	
		Lab Fort Blk. % Rec.	123.650	%	70-130
	Styrene	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.047	mg/kg dry wt	
		Lab Fort Blk. % Rec.	116.650	%	70-130
	Tetrachloroethylene	Lab Fort Blank Amt.	0.080	mg/kg dry wt	
		Lab Fort Blk. Found	0.058	mg/kg dry wt	
		Lab Fort Blk. % Rec.	73.075	%	70-130
	Toluene	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.040	mg/kg dry wt	
		Lab Fort Blk. % Rec.	100.500	%	70-130
	1,1,1-Trichloroethane	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.046	mg/kg dry wt	
		Lab Fort Blk. % Rec.	114.650	%	70-130
	Trichloroethylene	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.044	mg/kg dry wt	
		Lab Fort Blk. % Rec.	109.800	%	70-130
	Trichlorofluoromethane	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.047	mg/kg dry wt	
		Lab Fort Blk. % Rec.	117.850	%	50-155
	o-Xylene	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.048	mg/kg dry wt	
		Lab Fort Blk. % Rec.	120.950	%	70-130
	m + p Xylene	Lab Fort Blank Amt.	0.080	mg/kg dry wt	
		Lab Fort Blk. Found	0.099	mg/kg dry wt	
		Lab Fort Blk. % Rec.	123.675	%	70-130
	1,2-Dichlorobenzene	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.040	mg/kg dry wt	
		Lab Fort Blk. % Rec.	100.200	%	70-130
	1,3-Dichlorobenzene	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.041	mg/kg dry wt	
		Lab Fort Blk. % Rec.	102.900	%	70-130
	1,1-Dichloroethane	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.045	mg/kg dry wt	
		Lab Fort Blk. % Rec.	112.650	%	70-130
	1,1-Dichloroethylene	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.029	mg/kg dry wt	
		Lab Fort Blk. % Rec.	72.500	%	70-130
	1,4-Dioxane	Lab Fort Blank Amt.	0.200	mg/kg dry wt	

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LFBLANK-39227					
	1,4-Dioxane	Lab Fort Blk. Found	0.180	mg/kg dry wt	
		Lab Fort Blk. % Rec.	89.950	%	50-155
	MTBE	Lab Fort Blank Amt.	0.080	mg/kg dry wt	
		Lab Fort Blk. Found	0.071	mg/kg dry wt	
		Lab Fort Blk. % Rec.	88.875	%	50-155
	trans-1,2-Dichloroethylene	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.050	mg/kg dry wt	
		Lab Fort Blk. % Rec.	124.150	%	70-130
	Vinyl Chloride	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.042	mg/kg dry wt	
		Lab Fort Blk. % Rec.	104.600	%	70-130
	Methylene Chloride	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.038	mg/kg dry wt	
		Lab Fort Blk. % Rec.	95.500	%	50-155
	Chlorobenzene	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.049	mg/kg dry wt	
		Lab Fort Blk. % Rec.	122.300	%	70-130
	Chloromethane	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.037	mg/kg dry wt	
		Lab Fort Blk. % Rec.	93.200	%	50-155
	Bromomethane	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.029	mg/kg dry wt	
		Lab Fort Blk. % Rec.	73.300	%	50-155
	Chloroethane	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.023	mg/kg dry wt	
		Lab Fort Blk. % Rec.	58.700	%	70-130
	cis-1,3-Dichloropropene	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.041	mg/kg dry wt	
		Lab Fort Blk. % Rec.	102.600	%	70-130
	trans-1,3-Dichloropropene	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.041	mg/kg dry wt	
		Lab Fort Blk. % Rec.	103.650	%	70-130
	Chlorodibromomethane	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.041	mg/kg dry wt	
		Lab Fort Blk. % Rec.	102.800	%	70-130
	1,1,2-Trichloroethane	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.035	mg/kg dry wt	
		Lab Fort Blk. % Rec.	87.700	%	70-130
	Bromoform	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.041	mg/kg dry wt	
		Lab Fort Blk. % Rec.	103.400	%	70-130
	1,1,2,2-Tetrachloroethane	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.037	mg/kg dry wt	

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LFBLANK-39227					
	1,1,2,2-Tetrachloroethane	Lab Fort Blk. % Rec.	93.650	%	70-130
	2-Chlorotoluene	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.044	mg/kg dry wt	
		Lab Fort Blk. % Rec.	110.550	%	70-130
	Hexachlorobutadiene	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.057	mg/kg dry wt	
		Lab Fort Blk. % Rec.	142.800	%	50-155
	Isopropylbenzene	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.050	mg/kg dry wt	
		Lab Fort Blk. % Rec.	125.100	%	70-130
	p-Isopropyltoluene	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.045	mg/kg dry wt	
		Lab Fort Blk. % Rec.	112.650	%	70-130
	n-Propylbenzene	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.049	mg/kg dry wt	
		Lab Fort Blk. % Rec.	121.300	%	70-130
	sec-Butylbenzene	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.043	mg/kg dry wt	
		Lab Fort Blk. % Rec.	108.450	%	70-130
	tert-Butylbenzene	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.047	mg/kg dry wt	
		Lab Fort Blk. % Rec.	118.100	%	50-155
	1,2,3-Trichlorobenzene	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.051	mg/kg dry wt	
		Lab Fort Blk. % Rec.	128.150	%	70-130
	1,2,4-Trichlorobenzene	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.055	mg/kg dry wt	
		Lab Fort Blk. % Rec.	136.850	%	70-130
	1,2,4-Trimethylbenzene	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.038	mg/kg dry wt	
		Lab Fort Blk. % Rec.	95.500	%	70-130
	1,3,5-Trimethylbenzene	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.044	mg/kg dry wt	
		Lab Fort Blk. % Rec.	109.050	%	70-130
	4-Chlorotoluene	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.044	mg/kg dry wt	
		Lab Fort Blk. % Rec.	109.800	%	70-130
	Dibromomethane	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.034	mg/kg dry wt	
		Lab Fort Blk. % Rec.	86.000	%	70-130
	cis-1,2-Dichloroethylene	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.048	mg/kg dry wt	
		Lab Fort Blk. % Rec.	120.450	%	70-130

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LFBLANK-39227					
	1,1-Dichloropropene	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.051	mg/kg dry wt	
		Lab Fort Blk. % Rec.	126.300	%	70-130
	1,2-Dichloropropane	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.040	mg/kg dry wt	
		Lab Fort Blk. % Rec.	99.100	%	70-130
	1,3-Dichloropropane	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.037	mg/kg dry wt	
		Lab Fort Blk. % Rec.	93.600	%	70-130
	2,2-Dichloropropane	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.046	mg/kg dry wt	
		Lab Fort Blk. % Rec.	116.000	%	50-155
	1,1,1,2-Tetrachloroethane	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.049	mg/kg dry wt	
		Lab Fort Blk. % Rec.	123.600	%	70-130
	1,2,3-Trichloropropane	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.040	mg/kg dry wt	
		Lab Fort Blk. % Rec.	100.600	%	70-130
	n-Butylbenzene	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.045	mg/kg dry wt	
		Lab Fort Blk. % Rec.	111.700	%	50-155
	Dichlorodifluoromethane	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.035	mg/kg dry wt	
		Lab Fort Blk. % Rec.	87.100	%	50-155
	Bromochloromethane	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.043	mg/kg dry wt	
		Lab Fort Blk. % Rec.	107.650	%	70-130
	Bromobenzene	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.043	mg/kg dry wt	
		Lab Fort Blk. % Rec.	106.850	%	70-130
	Iodomethane	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.030	mg/kg dry wt	
		Lab Fort Blk. % Rec.	76.250	%	
	Acrylonitrile	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.048	mg/kg dry wt	
		Lab Fort Blk. % Rec.	119.350	%	
	Carbon Disulfide	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.038	mg/kg dry wt	
		Lab Fort Blk. % Rec.	94.750	%	70-130
	2-Hexanone	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.044	mg/kg dry wt	
		Lab Fort Blk. % Rec.	108.750	%	50-155
	trans-1,4-Dichloro-2-Butene	Lab Fort Blank Amt.	0.040	mg/kg dry wt	

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LFBLANK-39227					
	trans-1,4-Dichloro-2-Butene	Lab Fort Blk. Found	0.039	mg/kg dry wt	
		Lab Fort Blk. % Rec.	96.650	%	
	Ethyl Methacrylate	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.036	mg/kg dry wt	
		Lab Fort Blk. % Rec.	90.650	%	
	cis-1,4-Dichloro-2-Butene	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.001	mg/kg dry wt	
		Lab Fort Blk. % Rec.	3.250	%	
	Diethyl Ether	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.029	mg/kg dry wt	
		Lab Fort Blk. % Rec.	71.350	%	50-155
	Bromodichloromethane	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.041	mg/kg dry wt	
		Lab Fort Blk. % Rec.	102.600	%	70-130
	1,2-Dibromo-3-Chloropropane	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.047	mg/kg dry wt	
		Lab Fort Blk. % Rec.	118.100	%	70-130
	1,2-Dibromoethane	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.038	mg/kg dry wt	
		Lab Fort Blk. % Rec.	95.850	%	70-130
	Tetrahydrofuran	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.039	mg/kg dry wt	
		Lab Fort Blk. % Rec.	98.550	%	50-155
	tert-Butyl Alcohol	Lab Fort Blank Amt.	0.200	mg/kg dry wt	
		Lab Fort Blk. Found	0.237	mg/kg dry wt	
		Lab Fort Blk. % Rec.	118.270	%	
	Diisopropyl Ether	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.043	mg/kg dry wt	
		Lab Fort Blk. % Rec.	106.450	%	50-155
	tert-Butylethyl Ether	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.040	mg/kg dry wt	
		Lab Fort Blk. % Rec.	100.800	%	50-155
	tert-Amylmethyl Ether	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.037	mg/kg dry wt	
		Lab Fort Blk. % Rec.	91.850	%	50-155

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Report Date: 2/23/2005 Lims Bat # : LIMS-85921

QC Batch Number: HG-5047

Sample Id	Analysis	QC Analysis	Values	Units	Limits
05B04587					
	Mercury	Sample Amount	0.323	mg/kg dry wt	
		Duplicate Value	0.354	mg/kg dry wt	
		Duplicate RPD	9.410	%	0-35
		Sample Amount	0.323	mg/kg dry wt	
		Matrix Spk Amt Added	0.553	mg/kg dry wt	
		MS Amt Measured	0.937	mg/kg dry wt	
		Matrix Spike % Rec.	111.171	%	75-125
BLANK-70278					
	Mercury	Blank	<0.010	mg/kg dry wt	
LFBLANK-39369					
	Mercury	Lab Fort Blank Amt.	0.500	mg/kg dry wt	
		Lab Fort Blk. Found	0.562	mg/kg dry wt	
		Lab Fort Blk. % Rec.	112.500	%	80-120

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QC Batch Number: ICP-11331

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-70406					
	Silver	Blank	<0.50	mg/kg dry wt	
	Arsenic	Blank	<5.00	mg/kg dry wt	
	Barium	Blank	<0.10	mg/kg dry wt	
	Cadmium	Blank	0.05	mg/kg dry wt	
	Chromium	Blank	<0.35	mg/kg dry wt	
	Lead	Blank	<2.50	mg/kg dry wt	
	Selenium	Blank	<5.00	mg/kg dry wt	
LFBLANK-39471					
	Silver	Lab Fort Blank Amt.	100.00	mg/kg dry wt	
		Lab Fort Blk. Found	114.24	mg/kg dry wt	
		Lab Fort Blk. % Rec.	114.24	%	65-120
	Arsenic	Lab Fort Blank Amt.	100.00	mg/kg dry wt	
		Lab Fort Blk. Found	116.72	mg/kg dry wt	
		Lab Fort Blk. % Rec.	116.72	%	80-120
	Barium	Lab Fort Blank Amt.	100.00	mg/kg dry wt	
		Lab Fort Blk. Found	105.90	mg/kg dry wt	
		Lab Fort Blk. % Rec.	105.90	%	80-120
	Cadmium	Lab Fort Blank Amt.	100.00	mg/kg dry wt	
		Lab Fort Blk. Found	115.20	mg/kg dry wt	
		Lab Fort Blk. % Rec.	115.20	%	80-120
	Chromium	Lab Fort Blank Amt.	100.00	mg/kg dry wt	
		Lab Fort Blk. Found	108.46	mg/kg dry wt	
		Lab Fort Blk. % Rec.	108.46	%	80-120
	Lead	Lab Fort Blank Amt.	100.00	mg/kg dry wt	
		Lab Fort Blk. Found	110.24	mg/kg dry wt	
		Lab Fort Blk. % Rec.	110.24	%	80-120
	Selenium	Lab Fort Blank Amt.	100.00	mg/kg dry wt	
		Lab Fort Blk. Found	115.72	mg/kg dry wt	
		Lab Fort Blk. % Rec.	115.72	%	80-120

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NOTES:

QC Batch No. : GCMS/VOL-11455
Sample ID : LFBLANK-39227
Analysis : 1,2,4-Trichlorobenzene

LABORATORY FORTIFIED BLANK 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.

QC Batch No. : GCMS/VOL-11455
Sample ID : LFBLANK-39227
Analysis : Carbon Tetrachloride

LABORATORY FORTIFIED BLANK 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.

QC Batch No. : GCMS/VOL-11455
Sample ID : LFBLANK-39227
Analysis : Chloroethane

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. ANY REPORTED RESULT FOR THIS COMPOUND IN THIS BATCH IS LIKELY TO BE BIASED ON THE LOW SIDE.

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

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QUALITY CONTROL DEFINITIONS AND ABBREVIATIONS

QC BATCH NUMBER	This is the number assigned to all samples analyzed together that would be subject to comparison with a particular set of Quality Control Data.
LIMITS	Upper and Lower Control Limits for the QC ANALYSIS Reported. All values normally would fall within these statistically determined limits, unless there is an unusual circumstance that would be documented in a NOTE appearing on the last page of the QC SUMMARY REPORT. Not all QC results will have Limits defined.
Sample Amount	Amount of analyte found in a sample.
Blank	Method Blank that has been taken though all the steps of the analysis.
LFBLANK	Laboratory Fortified Blank (a control sample)
STDADD	Standard Added (a laboratory control sample)
Matrix Spk Amt Added	Amount of analyte spiked into a sample
MS Amt Measured	Amount of analyte found including amount that was spiked
Matrix Spike % Rec.	% Recovery of spiked amount in sample.
Duplicate Value	The result from the Duplicate analysis of the sample.
Duplicate RPD	The Relative Percent Difference between two Duplicate Analyses.
Surrogate Recovery	The % Recovery for non-environmental compounds (surrogates) spiked into samples to determine the performance of the analytical methods.
Sur. Recovery (ELCD)	Surrogate Recovery on the Electrolytic Conductivity Detector.
Sur. Recovery (PID)	Surrogate Recovery on the Photoionization Detector.
Standard Measured	Amount measured for a laboratory control sample
Standard Amt Added	Known value for a laboratory control sample
Standard % Recovery	% recovered for a laboratory control sample with a known value.
Lab Fort Blank Amt	Laboratory Fortified Blank Amount Added
Lab Fort Blk. Found	Laboratory Fortified Blank Amount Found
Lab Fort Blk % Rec	Laboratory Fortified Blank % Recovered
Dup Lab Fort Bl Amt	Duplicate Laboratory Fortified Blank Amount Added
Dup Lab Fort Bl Fnd	Duplicate Laboratory Fortified Blank Amount Found
Dup Lab Fort Bl % Rec	Duplicate Laboratory Fortified Blank % Recovery
Lab Fort Blank Range	Laboratory Fortified Blank Range (Absolute value of difference between recoveries for Lab Fortified Blank and Lab Fortified Blank Duplicate).
Lab Fort Bl. Av. Rec.	Laboratory Fortified Blank Average Recovery
Duplicate Sample Amt	Sample Value for Duplicate used with Matrix Spike Duplicate
MSD Amount Added	Matrix Spike Duplicate Amount Added (Spiked)
MSD Amt Measured	Matrix Spike Duplicate Amount Measured
MSD % Recovery	Matrix Spike Duplicate % Recovery
MSD Range	Absolute difference between Matrix Spike and Matrix Spike Duplicate Recoveries

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Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

Lims # 85921

39 SPRUCE ST, 2ND FLOOR
EAST LONGMEADOW, MA 01028

Page ____ of ____

Company Name: VHB
Address: 54 Tuttle Place
Middletown, CT 06457
Attention: Amy Czerwonka
Project Location: 34 East Main St
Sampled By: Jennifer Cope/Amy Czerwonka

Telephone: (860) 632-1500
Project # 40990.00
Client PO # 40990.00

DATA DELIVERY (check one):
☑ FAX ☐ EMAIL ☐ WEBSITE CLIENT
Fax #: 860 632 7879
Email:
Format: ☐ EXCEL ☐ PDF ☐ GIS KEY

Proposal Provided? (For Billing purposes) ☐ yes ______ proposal date
State Form Required? ☐ yes ☐ no

# of containers								1/8	6			
**Preservation								n/B				
~Cont.Code								✓	A			

Field ID	Sample Description	Lab # SB	Date Sampled: Start Date/Time	Date Sampled: Stop Date/Time	Composite	Grab	*Matrix Code	VOCs 8260	PAHs 8270B	CTETPH	PCBs	RCRA 8 metals
B-31	upgradient SW corner	04587	2/7/05	2/7/05		✓	S	✓	✓	✓		✓
B-32	NW Corner Sanitation Bldg by USTs	04588	↓	↓		✓	S	✓		✓		
B-33	NW Corner Incinerator Bldg by UST	04589				✓	S	✓		✓		
B-34	Downgradient North of Incinerator Bldg	04590				✓	S	✓	✓	✓	✓	✓
B-35	SE Corner Incinerator Bldg by Smoke Stack	04591				✓	S	✓	✓	✓	✓	✓
B-36	East of Sanitation Bldg Former Sewage treatment	04592	↓	↓		✓	S	✓	✓	✓		✓
	(MB)											
	Cooler Blank											

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

Comments: (MB) use 1-3 first per Amy
no amber for B-31 or B-32 (5-8) found 1-3
B-34 has (1) (1-3), (1) 9-11 / B-35 has (2) (1-3), (1) 3-5

Relinquished by: (signature)	Date/Time
Amy Czerwonka	2/8/05

Received by: (signature)	Date/Time
[illegible]	2/8/05 1020

Relinquished by: (signature)	Date/Time
[illegible]	2/8/05 545

Received by: (signature)	Date/Time
[illegible] 3.0	2/8 1745

Turnaround **
☐ *5-Day
☑ 7-Day
☐ 10-Day
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

Detection Limit Requirements
Regulations? CTDEP
Data Enhancement Project? ☐ Y ☐ N
(MA MCP sites only)
Special Requirements or DL's: ______

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

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

**Turnaround time begins at 9:00 a.m. the day after sample receipt (unless received before 2:00 p.m.)

MAB

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REPORT DATE 2/24/2005

VANASSE HANGEN BRUSTLIN, INC. - CT
54 TUTTLE PLACE
MIDDLETOWN, CT 06457
ATTN: AMY CZERWONKA

CONTRACT NUMBER:
PURCHASE ORDER NUMBER: 40990

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMS-86076
JOB NUMBER: 40990.00

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

PROJECT LOCATION: 34 EAST MAIN ST

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST
MW-11	05B05770	GRND WATER	UPGRADIENT WELL	8260 water
MW-11	05B05770	GRND WATER	UPGRADIENT WELL	etph water
MW-11	05B05770	GRND WATER	UPGRADIENT WELL	metals-8rcra h2o
MW-12	05B05771	GRND WATER	DOWNGRADIENT WELL	8260 water
MW-12	05B05771	GRND WATER	DOWNGRADIENT WELL	etph water
MW-12	05B05771	GRND WATER	DOWNGRADIENT WELL	metals-8rcra h2o
MW-13	05B05772	GRND WATER	FIRE TOWER	8260 water
MW-13	05B05772	GRND WATER	FIRE TOWER	etph water
MW-13	05B05772	GRND WATER	FIRE TOWER	metals-8rcra h2o
TRIP BLANK	05B05773	GRND WATER	TRIP BLANK HCL	8260 water

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

AIHA 100033	AIHA ELLAP (LEAD) 100033	
MASSACHUSETTS MA0100	NEW HAMPSHIRE NELAP 2516	NEW JERSEY NELAP NJ MA007 (AIR)
CONNECTICUT PH-0567	VERMONT DOH (LEAD) No. LL015036	ARIZONA AZ0648
NEW YORK ELAP/NELAP 10899	RHODE ISLAND (LIC. No. 112)	ARIZONA AZ0654 (AIR)

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.

Edward Denson 2/24/05

SIGNATURE DATE

Tod Kopyscinski
Director of Operations

Sondra S. Kocot
Quality Control Coordinator

Edward Denson
Technical Director

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AMY CZERWONKA
VANASSE HANGEN BRUSTLIN, INC. - CT
54 TUTTLE PLACE
MIDDLETOWN, CT 06457

2/24/2005

Purchase Order No.: 40990

Project Location: 34 EAST MAIN ST
Date Received: 2/14/2005
Field Sample # : MW-11

LIMS-BAT #: LIMS-86076
Job Number: 40990.00

Sample ID : 05B05770
Sampled : 2/14/2005
UPGRADIENT WELL

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acetone	ug/l	ND	02/16/05	LBD	10.0			
Acrolein	ug/l	ND	02/16/05	LBD	10.0			
Acrylonitrile	ug/l	ND	02/16/05	LBD	0.5			
tert-Amylmethyl Ether	ug/l	ND	02/16/05	LBD	0.5			
Benzene	ug/l	ND	02/16/05	LBD	0.5			
Bromobenzene	ug/l	ND	02/16/05	LBD	0.5			
Bromochloromethane	ug/l	ND	02/16/05	LBD	0.5			
Bromodichloromethane	ug/l	ND	02/16/05	LBD	0.5			
Bromoform	ug/l	ND	02/16/05	LBD	0.5			
Bromomethane	ug/l	ND	02/16/05	LBD	1.0			
2-Butanone (MEK)	ug/l	ND	02/16/05	LBD	5.0			
tert-Butyl Alcohol	ug/l	ND	02/16/05	LBD	10.0			
n-Butylbenzene	ug/l	ND	02/16/05	LBD	0.5			
sec-Butylbenzene	ug/l	ND	02/16/05	LBD	0.5			
tert-Butylbenzene	ug/l	ND	02/16/05	LBD	0.5			
tert-Butylethyl Ether	ug/l	ND	02/16/05	LBD	0.5			
Carbon Disulfide	ug/l	ND	02/16/05	LBD	1.0			
Carbon Tetrachloride	ug/l	ND	02/16/05	LBD	0.5			
Chlorobenzene	ug/l	ND	02/16/05	LBD	0.5			
Chlorodibromomethane	ug/l	ND	02/16/05	LBD	0.5			
Chloroethane	ug/l	ND	02/16/05	LBD	0.5			
2-Chloroethylvinylether	ug/l	ND	02/16/05	LBD	0.5			
Chloroform	ug/l	ND	02/16/05	LBD	0.5			
Chloromethane	ug/l	ND	02/16/05	LBD	0.5			
2-Chlorotoluene	ug/l	ND	02/16/05	LBD	0.5			
4-Chlorotoluene	ug/l	ND	02/16/05	LBD	0.5			
1,2-Dibromo-3-Chloropropane	ug/l	ND	02/16/05	LBD	0.5			
1,2-Dibromoethane	ug/l	ND	02/16/05	LBD	0.50			
Dibromomethane	ug/l	ND	02/16/05	LBD	0.5			
1,2-Dichlorobenzene	ug/l	ND	02/16/05	LBD	0.5			

RL = Reporting Limit
ND = Not Detected
NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

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AMY CZERWONKA
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54 TUTTLE PLACE
MIDDLETOWN, CT 06457

2/24/2005

Purchase Order No.: 40990

Project Location: 34 EAST MAIN ST
Date Received: 2/14/2005
Field Sample # : MW-11

LIMS-BAT #: LIMS-86076
Job Number: 40990.00

Sample ID : 05B05770

Sampled : 2/14/2005
UPGRADIENT WELL

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
1,3-Dichlorobenzene	ug/l	ND	02/16/05	LBD	0.5			
1,4-Dichlorobenzene	ug/l	ND	02/16/05	LBD	0.5			
cis-1,4-Dichloro-2-Butene	ug/l	ND	02/16/05	LBD	0.5			
trans-1,4-Dichloro-2-Butene	ug/l	ND	02/16/05	LBD	0.5			
Dichlorodifluoromethane	ug/l	ND	02/16/05	LBD	0.5			
1,1-Dichloroethane	ug/l	ND	02/16/05	LBD	0.5			
1,2-Dichloroethane	ug/l	ND	02/16/05	LBD	0.5			
1,1-Dichloroethylene	ug/l	ND	02/16/05	LBD	1.0			
cis-1,2-Dichloroethylene	ug/l	ND	02/16/05	LBD	0.5			
trans-1,2-Dichloroethylene	ug/l	ND	02/16/05	LBD	0.5			
1,2-Dichloropropane	ug/l	ND	02/16/05	LBD	0.5			
1,3-Dichloropropane	ug/l	ND	02/16/05	LBD	0.5			
2,2-Dichloropropane	ug/l	ND	02/16/05	LBD	0.5			
1,1-Dichloropropene	ug/l	ND	02/16/05	LBD	0.5			
cis-1,3-Dichloropropene	ug/l	ND	02/16/05	LBD	0.5			
trans-1,3-Dichloropropene	ug/l	ND	02/16/05	LBD	0.5			
Diethyl Ether	ug/l	ND	02/16/05	LBD	1.0			
Diisopropyl Ether	ug/l	ND	02/16/05	LBD	0.5			
1,4-Dioxane	ug/l	ND	02/16/05	LBD	50.0			
Ethyl Benzene	ug/l	ND	02/16/05	LBD	0.5			
Ethyl Methacrylate	ug/l	ND	02/16/05	LBD	0.5			
Hexachlorobutadiene	ug/l	ND	02/16/05	LBD	0.5			
2-Hexanone	ug/l	ND	02/16/05	LBD	5.0			
Iodomethane	ug/l	ND	02/16/05	LBD	1.0			
Isopropylbenzene	ug/l	ND	02/16/05	LBD	0.5			
p-Isopropyltoluene	ug/l	ND	02/16/05	LBD	0.5			
MTBE	ug/l	ND	02/16/05	LBD	0.5			
Methylene Chloride	ug/l	ND	02/16/05	LBD	2.0			
MIBK	ug/l	ND	02/16/05	LBD	5.0			
Naphthalene	ug/l	ND	02/16/05	LBD	0.5			

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54 TUTTLE PLACE
MIDDLETOWN, CT 06457

2/24/2005

Purchase Order No.: 40990

Project Location: 34 EAST MAIN ST
Date Received: 2/14/2005
Field Sample # : **MW-11**

LIMS-BAT #: LIMS-86076
Job Number: 40990.00

Sample ID : **05B05770**
Sampled : 2/14/2005
UPGRADIENT WELL

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
n-Propylbenzene	ug/l	ND	02/16/05	LBD	0.5			
Styrene	ug/l	ND	02/16/05	LBD	0.5			
1,1,1,2-Tetrachloroethane	ug/l	ND	02/16/05	LBD	0.5			
1,1,2,2-Tetrachloroethane	ug/l	ND	02/16/05	LBD	0.5			
Tetrachloroethylene	ug/l	ND	02/16/05	LBD	0.5			
Tetrahydrofuran	ug/l	ND	02/16/05	LBD	5.0			
Toluene	ug/l	ND	02/16/05	LBD	0.5			
1,2,3-Trichlorobenzene	ug/l	ND	02/16/05	LBD	0.5			
1,2,4-Trichlorobenzene	ug/l	ND	02/16/05	LBD	0.5			
1,1,1-Trichloroethane	ug/l	ND	02/16/05	LBD	0.5			
1,1,2-Trichloroethane	ug/l	ND	02/16/05	LBD	0.5			
Trichloroethylene	ug/l	ND	02/16/05	LBD	0.5			
Trichlorofluoromethane	ug/l	ND	02/16/05	LBD	1.0			
1,2,3-Trichloropropane	ug/l	ND	02/16/05	LBD	0.5			
1,2,4-Trimethylbenzene	ug/l	ND	02/16/05	LBD	0.5			
1,3,5-Trimethylbenzene	ug/l	ND	02/16/05	LBD	0.5			
Vinyl Acetate	ug/l	ND	02/16/05	LBD	10.0			
Vinyl Chloride	ug/l	ND	02/16/05	LBD	0.5			
m + p Xylene	ug/l	ND	02/16/05	LBD	1.0			
o-Xylene	ug/l	ND	02/16/05	LBD	0.5			

Analytical Method:
SW846 8260
SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

RL = Reporting Limit
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* = See end of report for comments and notes applying to this sample

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AMY CZERWONKA
VANASSE HANGEN BRUSTLIN, INC. - CT
54 TUTTLE PLACE
MIDDLETOWN, CT 06457

2/24/2005

Purchase Order No.: 40990

Project Location: 34 EAST MAIN ST
Date Received: 2/14/2005
Field Sample # : **MW-12**

LIMS-BAT #: LIMS-86076
Job Number: 40990.00

Sample ID : ***05B05771**

Sampled : 2/14/2005
DOWNGRADIENT WELL

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acetone	ug/l	ND	02/16/05	LBD	10.0			
Acrolein	ug/l	ND	02/16/05	LBD	10.0			
Acrylonitrile	ug/l	ND	02/16/05	LBD	0.5			
tert-Amylmethyl Ether	ug/l	ND	02/16/05	LBD	0.5			
Benzene	ug/l	ND	02/16/05	LBD	0.5			
Bromobenzene	ug/l	ND	02/16/05	LBD	0.5			
Bromochloromethane	ug/l	ND	02/16/05	LBD	0.5			
Bromodichloromethane	ug/l	ND	02/16/05	LBD	0.5			
Bromoform	ug/l	ND	02/16/05	LBD	0.5			
Bromomethane	ug/l	ND	02/16/05	LBD	1.0			
2-Butanone (MEK)	ug/l	ND	02/16/05	LBD	5.0			
tert-Butyl Alcohol	ug/l	ND	02/16/05	LBD	10.0			
n-Butylbenzene	ug/l	ND	02/16/05	LBD	0.5			
sec-Butylbenzene	ug/l	ND	02/16/05	LBD	0.5			
tert-Butylbenzene	ug/l	ND	02/16/05	LBD	0.5			
tert-Butylethyl Ether	ug/l	ND	02/16/05	LBD	0.5			
Carbon Disulfide	ug/l	ND	02/16/05	LBD	1.0			
Carbon Tetrachloride	ug/l	ND	02/16/05	LBD	0.5			
Chlorobenzene	ug/l	ND	02/16/05	LBD	0.5			
Chlorodibromomethane	ug/l	ND	02/16/05	LBD	0.5			
Chloroethane	ug/l	ND	02/16/05	LBD	0.5			
2-Chloroethylvinylether	ug/l	ND	02/16/05	LBD	0.5			
Chloroform	ug/l	ND	02/16/05	LBD	0.5			
Chloromethane	ug/l	ND	02/16/05	LBD	0.5			
2-Chlorotoluene	ug/l	ND	02/16/05	LBD	0.5			
4-Chlorotoluene	ug/l	ND	02/16/05	LBD	0.5			
1,2-Dibromo-3-Chloropropane	ug/l	ND	02/16/05	LBD	0.5			
1,2-Dibromoethane	ug/l	ND	02/16/05	LBD	0.50			
Dibromomethane	ug/l	ND	02/16/05	LBD	0.5			
1,2-Dichlorobenzene	ug/l	ND	02/16/05	LBD	0.5			

RL = Reporting Limit
ND = Not Detected
NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

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AMY CZERWONKA
VANASSE HANGEN BRUSTLIN, INC. - CT
54 TUTTLE PLACE
MIDDLETOWN, CT 06457

2/24/2005

Purchase Order No.: 40990

Project Location: 34 EAST MAIN ST
Date Received: 2/14/2005
Field Sample # : MW-12

LIMS-BAT #: LIMS-86076
Job Number: 40990.00

Sample ID : *05B05771

Sampled : 2/14/2005
DOWNGRADIENT WELL

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
1,3-Dichlorobenzene	ug/l	ND	02/16/05	LBD	0.5			
1,4-Dichlorobenzene	ug/l	ND	02/16/05	LBD	0.5			
cis-1,4-Dichloro-2-Butene	ug/l	ND	02/16/05	LBD	0.5			
trans-1,4-Dichloro-2-Butene	ug/l	ND	02/16/05	LBD	0.5			
Dichlorodifluoromethane	ug/l	ND	02/16/05	LBD	0.5			
1,1-Dichloroethane	ug/l	ND	02/16/05	LBD	0.5			
1,2-Dichloroethane	ug/l	ND	02/16/05	LBD	0.5			
1,1-Dichloroethylene	ug/l	ND	02/16/05	LBD	1.0			
cis-1,2-Dichloroethylene	ug/l	ND	02/16/05	LBD	0.5			
trans-1,2-Dichloroethylene	ug/l	ND	02/16/05	LBD	0.5			
1,2-Dichloropropane	ug/l	ND	02/16/05	LBD	0.5			
1,3-Dichloropropane	ug/l	ND	02/16/05	LBD	0.5			
2,2-Dichloropropane	ug/l	ND	02/16/05	LBD	0.5			
1,1-Dichloropropene	ug/l	ND	02/16/05	LBD	0.5			
cis-1,3-Dichloropropene	ug/l	ND	02/16/05	LBD	0.5			
trans-1,3-Dichloropropene	ug/l	ND	02/16/05	LBD	0.5			
Diethyl Ether	ug/l	ND	02/16/05	LBD	1.0			
Diisopropyl Ether	ug/l	ND	02/16/05	LBD	0.5			
1,4-Dioxane	ug/l	ND	02/16/05	LBD	50.0			
Ethyl Benzene	ug/l	ND	02/16/05	LBD	0.5			
Ethyl Methacrylate	ug/l	ND	02/16/05	LBD	0.5			
Hexachlorobutadiene	ug/l	ND	02/16/05	LBD	0.5			
2-Hexanone	ug/l	ND	02/16/05	LBD	5.0			
Iodomethane	ug/l	ND	02/16/05	LBD	1.0			
Isopropylbenzene	ug/l	ND	02/16/05	LBD	0.5			
p-Isopropyltoluene	ug/l	ND	02/16/05	LBD	0.5			
MTBE	ug/l	1.2	02/16/05	LBD	0.5			
Methylene Chloride	ug/l	ND	02/16/05	LBD	2.0			
MIBK	ug/l	ND	02/16/05	LBD	5.0			
Naphthalene	ug/l	ND	02/16/05	LBD	0.5			

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AMY CZERWONKA
VANASSE HANGEN BRUSTLIN, INC. - CT
54 TUTTLE PLACE
MIDDLETOWN, CT 06457

2/24/2005

Purchase Order No.: 40990

Project Location: 34 EAST MAIN ST
Date Received: 2/14/2005
Field Sample # : MW-12

LIMS-BAT #: LIMS-86076
Job Number: 40990.00

Sample ID : *05B05771

Sampled : 2/14/2005
DOWNGRADIENT WELL

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
n-Propylbenzene	ug/l	ND	02/16/05	LBD	0.5			
Styrene	ug/l	ND	02/16/05	LBD	0.5			
1,1,1,2-Tetrachloroethane	ug/l	ND	02/16/05	LBD	0.5			
1,1,2,2-Tetrachloroethane	ug/l	ND	02/16/05	LBD	0.5			
Tetrachloroethylene	ug/l	ND	02/16/05	LBD	0.5			
Tetrahydrofuran	ug/l	ND	02/16/05	LBD	5.0			
Toluene	ug/l	ND	02/16/05	LBD	0.5			
1,2,3-Trichlorobenzene	ug/l	ND	02/16/05	LBD	0.5			
1,2,4-Trichlorobenzene	ug/l	ND	02/16/05	LBD	0.5			
1,1,1-Trichloroethane	ug/l	ND	02/16/05	LBD	0.5			
1,1,2-Trichloroethane	ug/l	ND	02/16/05	LBD	0.5			
Trichloroethylene	ug/l	ND	02/16/05	LBD	0.5			
Trichlorofluoromethane	ug/l	ND	02/16/05	LBD	1.0			
1,2,3-Trichloropropane	ug/l	ND	02/16/05	LBD	0.5			
1,2,4-Trimethylbenzene	ug/l	ND	02/16/05	LBD	0.5			
1,3,5-Trimethylbenzene	ug/l	ND	02/16/05	LBD	0.5			
Vinyl Acetate	ug/l	ND	02/16/05	LBD	10.0			
Vinyl Chloride	ug/l	ND	02/16/05	LBD	0.5			
m + p Xylene	ug/l	ND	02/16/05	LBD	1.0			
o-Xylene	ug/l	ND	02/16/05	LBD	0.5			

Analytical Method:
SW846 8260
SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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AMY CZERWONKA
VANASSE HANGEN BRUSTLIN, INC. - CT
54 TUTTLE PLACE
MIDDLETOWN, CT 06457

Purchase Order No.: 40990

Project Location: 34 EAST MAIN ST
Date Received: 2/14/2005
Field Sample # : **MW-13**

LIMS-BAT #: LIMS-86076
Job Number: 40990.00

Sample ID : **05B05772**

Sampled : 2/14/2005
FIRE TOWER

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acetone	ug/l	ND	02/16/05	LBD	10.0			
Acrolein	ug/l	ND	02/16/05	LBD	10.0			
Acrylonitrile	ug/l	ND	02/16/05	LBD	0.5			
tert-Amylmethyl Ether	ug/l	32.3	02/16/05	LBD	0.5			
Benzene	ug/l	ND	02/16/05	LBD	0.5			
Bromobenzene	ug/l	ND	02/16/05	LBD	0.5			
Bromochloromethane	ug/l	ND	02/16/05	LBD	0.5			
Bromodichloromethane	ug/l	ND	02/16/05	LBD	0.5			
Bromoform	ug/l	ND	02/16/05	LBD	0.5			
Bromomethane	ug/l	ND	02/16/05	LBD	1.0			
2-Butanone (MEK)	ug/l	ND	02/16/05	LBD	5.0			
tert-Butyl Alcohol	ug/l	ND	02/16/05	LBD	10.0			
n-Butylbenzene	ug/l	ND	02/16/05	LBD	0.5			
sec-Butylbenzene	ug/l	ND	02/16/05	LBD	0.5			
tert-Butylbenzene	ug/l	ND	02/16/05	LBD	0.5			
tert-Butylethyl Ether	ug/l	ND	02/16/05	LBD	0.5			
Carbon Disulfide	ug/l	ND	02/16/05	LBD	1.0			
Carbon Tetrachloride	ug/l	ND	02/16/05	LBD	0.5			
Chlorobenzene	ug/l	ND	02/16/05	LBD	0.5			
Chlorodibromomethane	ug/l	ND	02/16/05	LBD	0.5			
Chloroethane	ug/l	ND	02/16/05	LBD	0.5			
2-Chloroethylvinylether	ug/l	ND	02/16/05	LBD	0.5			
Chloroform	ug/l	ND	02/16/05	LBD	0.5			
Chloromethane	ug/l	ND	02/16/05	LBD	0.5			
2-Chlorotoluene	ug/l	ND	02/16/05	LBD	0.5			
4-Chlorotoluene	ug/l	ND	02/16/05	LBD	0.5			
1,2-Dibromo-3-Chloropropane	ug/l	ND	02/16/05	LBD	0.5			
1,2-Dibromoethane	ug/l	ND	02/16/05	LBD	0.50			
Dibromomethane	ug/l	ND	02/16/05	LBD	0.5			
1,2-Dichlorobenzene	ug/l	ND	02/16/05	LBD	0.5			

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54 TUTTLE PLACE
MIDDLETOWN, CT 06457

Purchase Order No.: 40990

Project Location: 34 EAST MAIN ST
Date Received: 2/14/2005
Field Sample # : MW-13

LIMS-BAT #: LIMS-86076
Job Number: 40990.00

Sample ID : 05B05772

Sampled : 2/14/2005
FIRE TOWER

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
1,3-Dichlorobenzene	ug/l	ND	02/16/05	LBD	0.5			
1,4-Dichlorobenzene	ug/l	ND	02/16/05	LBD	0.5			
cis-1,4-Dichloro-2-Butene	ug/l	ND	02/16/05	LBD	0.5			
trans-1,4-Dichloro-2-Butene	ug/l	ND	02/16/05	LBD	0.5			
Dichlorodifluoromethane	ug/l	ND	02/16/05	LBD	0.5			
1,1-Dichloroethane	ug/l	ND	02/16/05	LBD	0.5			
1,2-Dichloroethane	ug/l	ND	02/16/05	LBD	0.5			
1,1-Dichloroethylene	ug/l	ND	02/16/05	LBD	1.0			
cis-1,2-Dichloroethylene	ug/l	ND	02/16/05	LBD	0.5			
trans-1,2-Dichloroethylene	ug/l	ND	02/16/05	LBD	0.5			
1,2-Dichloropropane	ug/l	ND	02/16/05	LBD	0.5			
1,3-Dichloropropane	ug/l	ND	02/16/05	LBD	0.5			
2,2-Dichloropropane	ug/l	ND	02/16/05	LBD	0.5			
1,1-Dichloropropene	ug/l	ND	02/16/05	LBD	0.5			
cis-1,3-Dichloropropene	ug/l	ND	02/16/05	LBD	0.5			
trans-1,3-Dichloropropene	ug/l	ND	02/16/05	LBD	0.5			
Diethyl Ether	ug/l	ND	02/16/05	LBD	1.0			
Diisopropyl Ether	ug/l	ND	02/16/05	LBD	0.5			
1,4-Dioxane	ug/l	ND	02/16/05	LBD	50.0			
Ethyl Benzene	ug/l	ND	02/16/05	LBD	0.5			
Ethyl Methacrylate	ug/l	ND	02/16/05	LBD	0.5			
Hexachlorobutadiene	ug/l	ND	02/16/05	LBD	0.5			
2-Hexanone	ug/l	ND	02/16/05	LBD	5.0			
Iodomethane	ug/l	ND	02/16/05	LBD	1.0			
Isopropylbenzene	ug/l	ND	02/16/05	LBD	0.5			
p-Isopropyltoluene	ug/l	ND	02/16/05	LBD	0.5			
MTBE	ug/l	173.	02/16/05	LBD	0.5			
Methylene Chloride	ug/l	ND	02/16/05	LBD	2.0			
MIBK	ug/l	ND	02/16/05	LBD	5.0			
Naphthalene	ug/l	ND	02/16/05	LBD	0.5			

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AMY CZERWONKA
VANASSE HANGEN BRUSTLIN, INC. - CT
54 TUTTLE PLACE
MIDDLETOWN, CT 06457

2/24/2005

Purchase Order No.: 40990

Project Location: 34 EAST MAIN ST
Date Received: 2/14/2005
Field Sample # : **MW-13**

LIMS-BAT #: LIMS-86076
Job Number: 40990.00

Sample ID : **05B05772**

Sampled : 2/14/2005
FIRE TOWER

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
n-Propylbenzene	ug/l	ND	02/16/05	LBD	0.5			
Styrene	ug/l	ND	02/16/05	LBD	0.5			
1,1,1,2-Tetrachloroethane	ug/l	ND	02/16/05	LBD	0.5			
1,1,2,2-Tetrachloroethane	ug/l	ND	02/16/05	LBD	0.5			
Tetrachloroethylene	ug/l	ND	02/16/05	LBD	0.5			
Tetrahydrofuran	ug/l	ND	02/16/05	LBD	5.0			
Toluene	ug/l	ND	02/16/05	LBD	0.5			
1,2,3-Trichlorobenzene	ug/l	ND	02/16/05	LBD	0.5			
1,2,4-Trichlorobenzene	ug/l	ND	02/16/05	LBD	0.5			
1,1,1-Trichloroethane	ug/l	ND	02/16/05	LBD	0.5			
1,1,2-Trichloroethane	ug/l	ND	02/16/05	LBD	0.5			
Trichloroethylene	ug/l	ND	02/16/05	LBD	0.5			
Trichlorofluoromethane	ug/l	ND	02/16/05	LBD	1.0			
1,2,3-Trichloropropane	ug/l	ND	02/16/05	LBD	0.5			
1,2,4-Trimethylbenzene	ug/l	ND	02/16/05	LBD	0.5			
1,3,5-Trimethylbenzene	ug/l	ND	02/16/05	LBD	0.5			
Vinyl Acetate	ug/l	ND	02/16/05	LBD	10.0			
Vinyl Chloride	ug/l	ND	02/16/05	LBD	0.5			
m + p Xylene	ug/l	ND	02/16/05	LBD	1.0			
o-Xylene	ug/l	ND	02/16/05	LBD	0.5			

Analytical Method:
SW846 8260
SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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AMY CZERWONKA
VANASSE HANGEN BRUSTLIN, INC. - CT
54 TUTTLE PLACE
MIDDLETOWN, CT 06457

Purchase Order No.: 40990

Project Location: 34 EAST MAIN ST
Date Received: 2/14/2005
Field Sample # : TRIP BLANK
Sample ID : 05B05773
Sampled : 2/14/2005
TRIP BLANK HCL
Sample Matrix: GRND WATER

LIMS-BAT #: LIMS-86076
Job Number: 40990.00

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acetone	ug/l	ND	02/16/05	LBD	10.0			
Acrolein	ug/l	ND	02/16/05	LBD	10.0			
Acrylonitrile	ug/l	ND	02/16/05	LBD	0.5			
tert-Amylmethyl Ether	ug/l	ND	02/16/05	LBD	0.5			
Benzene	ug/l	ND	02/16/05	LBD	0.5			
Bromobenzene	ug/l	ND	02/16/05	LBD	0.5			
Bromochloromethane	ug/l	ND	02/16/05	LBD	0.5			
Bromodichloromethane	ug/l	ND	02/16/05	LBD	0.5			
Bromoform	ug/l	ND	02/16/05	LBD	0.5			
Bromomethane	ug/l	ND	02/16/05	LBD	1.0			
2-Butanone (MEK)	ug/l	ND	02/16/05	LBD	5.0			
tert-Butyl Alcohol	ug/l	ND	02/16/05	LBD	10.0			
n-Butylbenzene	ug/l	ND	02/16/05	LBD	0.5			
sec-Butylbenzene	ug/l	ND	02/16/05	LBD	0.5			
tert-Butylbenzene	ug/l	ND	02/16/05	LBD	0.5			
tert-Butylethyl Ether	ug/l	ND	02/16/05	LBD	0.5			
Carbon Disulfide	ug/l	ND	02/16/05	LBD	1.0			
Carbon Tetrachloride	ug/l	ND	02/16/05	LBD	0.5			
Chlorobenzene	ug/l	ND	02/16/05	LBD	0.5			
Chlorodibromomethane	ug/l	ND	02/16/05	LBD	0.5			
Chloroethane	ug/l	ND	02/16/05	LBD	0.5			
2-Chloroethylvinylether	ug/l	ND	02/16/05	LBD	0.5			
Chloroform	ug/l	ND	02/16/05	LBD	0.5			
Chloromethane	ug/l	ND	02/16/05	LBD	0.5			
2-Chlorotoluene	ug/l	ND	02/16/05	LBD	0.5			
4-Chlorotoluene	ug/l	ND	02/16/05	LBD	0.5			
1,2-Dibromo-3-Chloropropane	ug/l	ND	02/16/05	LBD	0.5			
1,2-Dibromoethane	ug/l	ND	02/16/05	LBD	0.50			
Dibromomethane	ug/l	ND	02/16/05	LBD	0.5			
1,2-Dichlorobenzene	ug/l	ND	02/16/05	LBD	0.5			

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AMY CZERWONKA
VANASSE HANGEN BRUSTLIN, INC. - CT
54 TUTTLE PLACE
MIDDLETOWN, CT 06457

2/24/2005

Purchase Order No.: 40990

Project Location: 34 EAST MAIN ST
Date Received: 2/14/2005
Field Sample # : TRIP BLANK

LIMS-BAT #: LIMS-86076
Job Number: 40990.00

Sample ID : 05B05773

Sampled : 2/14/2005
TRIP BLANK HCL

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
1,3-Dichlorobenzene	ug/l	ND	02/16/05	LBD	0.5			
1,4-Dichlorobenzene	ug/l	ND	02/16/05	LBD	0.5			
cis-1,4-Dichloro-2-Butene	ug/l	ND	02/16/05	LBD	0.5			
trans-1,4-Dichloro-2-Butene	ug/l	ND	02/16/05	LBD	0.5			
Dichlorodifluoromethane	ug/l	ND	02/16/05	LBD	0.5			
1,1-Dichloroethane	ug/l	ND	02/16/05	LBD	0.5			
1,2-Dichloroethane	ug/l	ND	02/16/05	LBD	0.5			
1,1-Dichloroethylene	ug/l	ND	02/16/05	LBD	1.0			
cis-1,2-Dichloroethylene	ug/l	ND	02/16/05	LBD	0.5			
trans-1,2-Dichloroethylene	ug/l	ND	02/16/05	LBD	0.5			
1,2-Dichloropropane	ug/l	ND	02/16/05	LBD	0.5			
1,3-Dichloropropane	ug/l	ND	02/16/05	LBD	0.5			
2,2-Dichloropropane	ug/l	ND	02/16/05	LBD	0.5			
1,1-Dichloropropene	ug/l	ND	02/16/05	LBD	0.5			
cis-1,3-Dichloropropene	ug/l	ND	02/16/05	LBD	0.5			
trans-1,3-Dichloropropene	ug/l	ND	02/16/05	LBD	0.5			
Diethyl Ether	ug/l	ND	02/16/05	LBD	1.0			
Diisopropyl Ether	ug/l	ND	02/16/05	LBD	0.5			
1,4-Dioxane	ug/l	ND	02/16/05	LBD	50.0			
Ethyl Benzene	ug/l	ND	02/16/05	LBD	0.5			
Ethyl Methacrylate	ug/l	ND	02/16/05	LBD	0.5			
Hexachlorobutadiene	ug/l	ND	02/16/05	LBD	0.5			
2-Hexanone	ug/l	ND	02/16/05	LBD	5.0			
Iodomethane	ug/l	ND	02/16/05	LBD	1.0			
Isopropylbenzene	ug/l	ND	02/16/05	LBD	0.5			
p-Isopropyltoluene	ug/l	ND	02/16/05	LBD	0.5			
MTBE	ug/l	ND	02/16/05	LBD	0.5			
Methylene Chloride	ug/l	4.7	02/16/05	LBD	2.0			
MIBK	ug/l	ND	02/16/05	LBD	5.0			
Naphthalene	ug/l	ND	02/16/05	LBD	0.5			

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54 TUTTLE PLACE
MIDDLETOWN, CT 06457

Purchase Order No.: 40990

Project Location: 34 EAST MAIN ST
Date Received: 2/14/2005
Field Sample # : TRIP BLANK

LIMS-BAT #: LIMS-86076
Job Number: 40990.00

Sample ID : 05B05773

Sampled : 2/14/2005
TRIP BLANK HCL

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
n-Propylbenzene	ug/l	ND	02/16/05	LBD	0.5			
Styrene	ug/l	ND	02/16/05	LBD	0.5			
1,1,1,2-Tetrachloroethane	ug/l	ND	02/16/05	LBD	0.5			
1,1,2,2-Tetrachloroethane	ug/l	ND	02/16/05	LBD	0.5			
Tetrachloroethylene	ug/l	ND	02/16/05	LBD	0.5			
Tetrahydrofuran	ug/l	ND	02/16/05	LBD	5.0			
Toluene	ug/l	ND	02/16/05	LBD	0.5			
1,2,3-Trichlorobenzene	ug/l	ND	02/16/05	LBD	0.5			
1,2,4-Trichlorobenzene	ug/l	ND	02/16/05	LBD	0.5			
1,1,1-Trichloroethane	ug/l	ND	02/16/05	LBD	0.5			
1,1,2-Trichloroethane	ug/l	ND	02/16/05	LBD	0.5			
Trichloroethylene	ug/l	ND	02/16/05	LBD	0.5			
Trichlorofluoromethane	ug/l	ND	02/16/05	LBD	1.0			
1,2,3-Trichloropropane	ug/l	ND	02/16/05	LBD	0.5			
1,2,4-Trimethylbenzene	ug/l	ND	02/16/05	LBD	0.5			
1,3,5-Trimethylbenzene	ug/l	ND	02/16/05	LBD	0.5			
Vinyl Acetate	ug/l	ND	02/16/05	LBD	10.0			
Vinyl Chloride	ug/l	ND	02/16/05	LBD	0.5			
m + p Xylene	ug/l	ND	02/16/05	LBD	1.0			
o-Xylene	ug/l	ND	02/16/05	LBD	0.5			

Analytical Method:
SW846 8260
SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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AMY CZERWONKA
VANASSE HANGEN BRUSTLIN, INC. - CT
54 TUTTLE PLACE
MIDDLETOWN, CT 06457

2/24/2005

Purchase Order No.: 40990

Project Location: 34 EAST MAIN ST
Date Received: 2/14/2005
Field Sample # : **MW-11**

LIMS-BAT #: LIMS-86076
Job Number: 40990.00

Sample ID : **05B05770** Sampled : 2/14/2005
UPGRADIENT WELL

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Extractable TPH (ETPH)	mg/l	0.107	02/18/05	MDT	0.075			

Field Sample # : **MW-12**

Sample ID : **05B05771** Sampled : 2/14/2005
DOWNGRADIENT WELL

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Extractable TPH (ETPH)	mg/l	0.141	02/18/05	MDT	0.091			

Field Sample # : **MW-13**

Sample ID : **05B05772** Sampled : 2/14/2005
FIRE TOWER

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Extractable TPH (ETPH)	mg/l	0.119	02/18/05	MDT	0.077			

Analytical Method:
Extractable TPH (CT ETPH)
SAMPLES ARE EXTRACTED INTO METHYLENE CHLORIDE AND ANALYZED BY GAS CHROMATOGRAPHY WITH FLAME IONIZATION DETECTION (GC/FID).

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* = See end of report for comments and notes applying to this sample

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AMY CZERWONKA
VANASSE HANGEN BRUSTLIN, INC. - CT
54 TUTTLE PLACE
MIDDLETOWN, CT 06457

Purchase Order No.: 40990

Project Location: 34 EAST MAIN ST
Date Received: 2/14/2005
Field Sample # : MW-11

LIMS-BAT #: LIMS-86076
Job Number: 40990.00

Sample ID : 05B05770 Sampled : 2/14/2005
UPGRADIENT WELL

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Arsenic	mg/l	ND	02/24/05	WHW	0.0025			
Barium	mg/l	0.102	02/24/05	KRL	0.0010			
Cadmium	mg/l	0.0020	02/24/05	KRL	0.0005			
Chromium	mg/l	ND	02/24/05	KRL	0.004			
Lead	mg/l	0.010	02/24/05	KRL	0.002			
Mercury	mg/l	ND	02/22/05	JTB	0.00004			
Selenium	mg/l	ND	02/24/05	KRL	0.05			
Silver	mg/l	ND	02/24/05	KRL	0.005			

Field Sample # : MW-12

Sample ID : 05B05771 Sampled : 2/14/2005
DOWNGRADIENT WELL

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Arsenic	mg/l	ND	02/24/05	WHW	0.0025			
Barium	mg/l	0.0946	02/24/05	KRL	0.0010			
Cadmium	mg/l	0.0020	02/24/05	KRL	0.0005			
Chromium	mg/l	ND	02/24/05	KRL	0.004			
Lead	mg/l	ND	02/24/05	KRL	0.002			
Mercury	mg/l	ND	02/22/05	JTB	0.00004			
Selenium	mg/l	ND	02/24/05	KRL	0.05			
Silver	mg/l	ND	02/24/05	KRL	0.005			

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54 TUTTLE PLACE
MIDDLETOWN, CT 06457

2/24/2005

Purchase Order No.: 40990

Project Location: 34 EAST MAIN ST
Date Received: 2/14/2005
Field Sample # : MW-13
Sample ID : 05B05772
Sampled : 2/14/2005
FIRE TOWER
Sample Matrix: GRND WATER

LIMS-BAT #: LIMS-86076
Job Number: 40990.00

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Arsenic	mg/l	ND	02/24/05	WHW	0.0025			
Barium	mg/l	0.637	02/24/05	KRL	0.0010			
Cadmium	mg/l	0.0022	02/24/05	KRL	0.0005			
Chromium	mg/l	ND	02/24/05	KRL	0.004			
Lead	mg/l	ND	02/24/05	KRL	0.002			
Mercury	mg/l	ND	02/22/05	JTB	0.00004			
Selenium	mg/l	ND	02/24/05	KRL	0.05			
Silver	mg/l	ND	02/24/05	KRL	0.005			

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2/24/2005

Purchase Order No.: 40990

Project Location: 34 EAST MAIN ST
Date Received: 2/14/2005

LIMS-BAT #: LIMS-86076
Job Number: 40990.00

Analytical Method: Arsenic
SM 3113 B AS
SAMPLES ARE DIGESTED WITH NITRIC ACID AND ANALYZED BY GRAPHITE FURNACE ATOMIC ABSORPTION SPECTROPHOTOMETRY.

Analytical Method: Barium
EPA 200.7/SW846 6010
SAMPLES ARE ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

Analytical Method: Cadmium
EPA 200.7/SW846 6010
SAMPLES ARE ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

Analytical Method: Chromium
EPA 200.7/SW846 6010
SAMPLES ARE ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

Analytical Method: Lead
EPA 200.7/SW846 6010
SAMPLES ARE ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

Analytical Method: Mercury
EPA 245.1/SW846 7470
COLD VAPOR TECHNIQUE (FLAMELESS ABSORPTION AT 254 NM)

Analytical Method: Selenium
EPA 200.7/SW846 6010
SAMPLES ARE ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

Analytical Method: Silver
EPA 200.7/SW846 6010
SAMPLES ARE ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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54 TUTTLE PLACE
MIDDLETOWN, CT 06457

2/24/2005

Purchase Order No.: 40990

Project Location: 34 EAST MAIN ST
Date Received: 2/14/2005

LIMS-BAT #: LIMS-86076
Job Number: 40990.00

The following notes were attached to the reported analysis :

Sample ID: * 05B05771
Analysis: tert-Butylbenzene

MATRIX SPIKE RECOVERY IS OUTSIDE OF CONTROL LIMITS. DATA VALIDATION IS NOT AFFECTED SINCE SAMPLE RESULT IS "NOT DETECTED" AND RECOVERY BIAS IS ON THE HIGH SIDE FOR THIS COMPOUND.

Sample ID: * 05B05771
Analysis: Methylene Chloride

MATRIX SPIKE RECOVERY IS OUTSIDE OF CONTROL LIMITS. DATA VALIDATION IS NOT AFFECTED SINCE SAMPLE RESULT IS "NOT DETECTED" AND RECOVERY BIAS IS ON THE HIGH SIDE FOR THIS COMPOUND.

Sample ID: * 05B05771
Analysis: MIBK

MATRIX SPIKE RECOVERY IS OUTSIDE OF CONTROL LIMITS. DATA VALIDATION IS NOT AFFECTED SINCE SAMPLE RESULT IS "NOT DETECTED" AND RECOVERY BIAS IS ON THE HIGH SIDE FOR THIS COMPOUND.

Sample ID: * 05B05771
Analysis: Tetrachloroethylene

MATRIX SPIKE RECOVERY IS OUTSIDE OF CONTROL LIMITS. ANALYSIS IS IN CONTROL BASED ON LABORATORY FORTIFIED BLANK RECOVERY. POSSIBILITY OF SAMPLE MATRIX EFFECTS THAT LEAD TO LOW BIAS FOR REPORTED RESULT CANNOT BE ELIMINATED AND IS LIKELY.

** END OF REPORT **

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SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 2/24/2005 Lims Bat # : LIMS-86076

QC Batch Number: GC/FID-12644

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-70431					
	Extractable TPH (ETPH)	Blank	<0.075	mg/l	

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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

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Method Blanks

Report Date: 2/24/2005 Lims Bat # : LIMS-86076

QC Batch Number: GCMS/VOL-11490

Sample Id	Analysis	QC Analysis	Values	Units	Limits
05B05770					
	1,2-Dichloroethane-d4	Surrogate Recovery	121.9	%	70-130
	Toluene-d8	Surrogate Recovery	99.8	%	70-130
	Bromofluorobenzene	Surrogate Recovery	94.7	%	70-130
05B05771					
	Acetone	Sample Amount	<10.0	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	15.4	ug/l	
		Matrix Spike % Rec.	77.2	%	70-130
	Benzene	Sample Amount	<0.5	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	22.6	ug/l	
		Matrix Spike % Rec.	113.2	%	70-130
	Carbon Tetrachloride	Sample Amount	<0.5	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	20.6	ug/l	
		Matrix Spike % Rec.	102.9	%	70-130
	Chloroform	Sample Amount	<0.5	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	23.4	ug/l	
		Matrix Spike % Rec.	117.0	%	70-130
	1,2-Dichloroethane	Sample Amount	<0.5	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	23.4	ug/l	
		Matrix Spike % Rec.	116.8	%	70-130
	1,4-Dichlorobenzene	Sample Amount	<0.5	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	21.9	ug/l	
		Matrix Spike % Rec.	109.7	%	70-130
	Ethyl Benzene	Sample Amount	<0.5	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	22.7	ug/l	
		Matrix Spike % Rec.	113.4	%	70-130
	2-Butanone (MEK)	Sample Amount	<5.0	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	17.6	ug/l	
		Matrix Spike % Rec.	88.0	%	70-130
	MIBK	Sample Amount	<5.0	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	26.4	ug/l	
		Matrix Spike % Rec.	131.9	%	70-130
	Naphthalene	Sample Amount	<0.5	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	21.0	ug/l	

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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QC Batch Number: GCMS/VOL-11490

Sample Id	Analysis	QC Analysis	Values	Units	Limits
05B05771					
	Naphthalene	Matrix Spike % Rec.	105.2	%	70-130
	Styrene	Sample Amount	<0.5	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	21.4	ug/l	
		Matrix Spike % Rec.	107.2	%	70-130
	Tetrachloroethylene	Sample Amount	<0.5	ug/l	
		Matrix Spk Amt Added	40.0	ug/l	
		MS Amt Measured	22.7	ug/l	
		Matrix Spike % Rec.	56.8	%	70-130
	Toluene	Sample Amount	<0.5	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	22.7	ug/l	
		Matrix Spike % Rec.	113.4	%	70-130
	1,1,1-Trichloroethane	Sample Amount	<0.5	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	22.3	ug/l	
		Matrix Spike % Rec.	111.3	%	70-130
	Trichloroethylene	Sample Amount	<0.5	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	22.9	ug/l	
		Matrix Spike % Rec.	114.6	%	70-130
	Trichlorofluoromethane	Sample Amount	<1.0	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	22.5	ug/l	
		Matrix Spike % Rec.	112.6	%	70-130
	o-Xylene	Sample Amount	<0.5	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	23.9	ug/l	
		Matrix Spike % Rec.	119.5	%	70-130
	m + p Xylene	Sample Amount	<1.0	ug/l	
		Matrix Spk Amt Added	40.0	ug/l	
		MS Amt Measured	46.1	ug/l	
		Matrix Spike % Rec.	115.2	%	70-130
	1,2-Dichlorobenzene	Sample Amount	<0.5	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	22.6	ug/l	
		Matrix Spike % Rec.	112.8	%	70-130
	1,3-Dichlorobenzene	Sample Amount	<0.5	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	22.6	ug/l	
		Matrix Spike % Rec.	113.0	%	70-130
	1,1-Dichloroethane	Sample Amount	<0.5	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 2/24/2005 Lims Bat # : LIMS-86076

QC Batch Number: GCMS/VOL-11490

Sample Id	Analysis	QC Analysis	Values	Units	Limits
05B05771					
	1,1-Dichloroethane	MS Amt Measured	23.1	ug/l	
		Matrix Spike % Rec.	115.6	%	70-130
	1,1-Dichloroethylene	Sample Amount	<1.0	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	22.9	ug/l	
		Matrix Spike % Rec.	114.6	%	70-130
	1,4-Dioxane	Sample Amount	<50.0	ug/l	
		Matrix Spk Amt Added	100.0	ug/l	
		MS Amt Measured	96.2	ug/l	
		Matrix Spike % Rec.	96.2	%	70-130
	MTBE	Sample Amount	1.2	ug/l	
		Matrix Spk Amt Added	40.0	ug/l	
		MS Amt Measured	49.9	ug/l	
		Matrix Spike % Rec.	121.7	%	70-130
	trans-1,2-Dichloroethylene	Sample Amount	<0.5	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	24.6	ug/l	
		Matrix Spike % Rec.	122.8	%	70-130
	Vinyl Chloride	Sample Amount	<0.5	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	23.8	ug/l	
		Matrix Spike % Rec.	118.8	%	70-130
	Methylene Chloride	Sample Amount	<2.0	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	27.8	ug/l	
		Matrix Spike % Rec.	139.2	%	70-130
	Chlorobenzene	Sample Amount	<0.5	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	22.5	ug/l	
		Matrix Spike % Rec.	112.7	%	70-130
	Chloromethane	Sample Amount	<0.5	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	24.4	ug/l	
		Matrix Spike % Rec.	122.2	%	70-130
	Bromomethane	Sample Amount	<1.0	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	21.6	ug/l	
		Matrix Spike % Rec.	107.8	%	70-130
	Chloroethane	Sample Amount	<0.5	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	25.2	ug/l	
		Matrix Spike % Rec.	125.8	%	70-130
	cis-1,3-Dichloropropene	Sample Amount	<0.5	ug/l	

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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
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Method Blanks

QC Batch Number: GCMS/VOL-11490

Sample Id	Analysis	QC Analysis	Values	Units	Limits
05B05771					
	cis-1,3-Dichloropropene	Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	21.3	ug/l	
		Matrix Spike % Rec.	106.6	%	70-130
	trans-1,3-Dichloropropene	Sample Amount	<0.5	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	22.0	ug/l	
		Matrix Spike % Rec.	109.9	%	70-130
	Chlorodibromomethane	Sample Amount	<0.5	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	21.5	ug/l	
		Matrix Spike % Rec.	107.3	%	70-130
	1,1,2-Trichloroethane	Sample Amount	<0.5	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	22.9	ug/l	
		Matrix Spike % Rec.	114.5	%	70-130
	Bromoform	Sample Amount	<0.5	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	19.8	ug/l	
		Matrix Spike % Rec.	99.0	%	70-130
	1,1,2,2-Tetrachloroethane	Sample Amount	<0.5	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	23.6	ug/l	
		Matrix Spike % Rec.	117.9	%	70-130
	2-Chlorotoluene	Sample Amount	<0.5	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	23.0	ug/l	
		Matrix Spike % Rec.	114.8	%	70-130
	Hexachlorobutadiene	Sample Amount	<0.5	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	21.0	ug/l	
		Matrix Spike % Rec.	105.0	%	70-130
	Isopropylbenzene	Sample Amount	<0.5	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	22.3	ug/l	
		Matrix Spike % Rec.	111.6	%	70-130
	p-Isopropyltoluene	Sample Amount	<0.5	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	21.8	ug/l	
		Matrix Spike % Rec.	109.2	%	70-130
	n-Propylbenzene	Sample Amount	<0.5	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	22.8	ug/l	
		Matrix Spike % Rec.	114.2	%	70-130

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QC Batch Number: GCMS/VOL-11490

Sample Id	Analysis	QC Analysis	Values	Units	Limits
05B05771					
	sec-Butylbenzene	Sample Amount	<0.5	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	22.7	ug/l	
		Matrix Spike % Rec.	113.4	%	70-130
	tert-Butylbenzene	Sample Amount	<0.5	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	26.5	ug/l	
		Matrix Spike % Rec.	132.6	%	70-130
	1,2,3-Trichlorobenzene	Sample Amount	<0.5	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	20.7	ug/l	
		Matrix Spike % Rec.	103.4	%	70-130
	1,2,4-Trichlorobenzene	Sample Amount	<0.5	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	19.9	ug/l	
		Matrix Spike % Rec.	99.6	%	70-130
	1,2,4-Trimethylbenzene	Sample Amount	<0.5	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	23.2	ug/l	
		Matrix Spike % Rec.	115.9	%	70-130
	1,3,5-Trimethylbenzene	Sample Amount	<0.5	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	23.2	ug/l	
		Matrix Spike % Rec.	116.0	%	70-130
	Dibromomethane	Sample Amount	<0.5	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	22.0	ug/l	
		Matrix Spike % Rec.	110.0	%	70-130
	cis-1,2-Dichloroethylene	Sample Amount	<0.5	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	21.8	ug/l	
		Matrix Spike % Rec.	109.2	%	70-130
	4-Chlorotoluene	Sample Amount	<0.5	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	23.0	ug/l	
		Matrix Spike % Rec.	115.0	%	70-130
	1,1-Dichloropropene	Sample Amount	<0.5	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	21.4	ug/l	
		Matrix Spike % Rec.	107.0	%	70-130
	1,2-Dichloropropane	Sample Amount	<0.5	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	23.0	ug/l	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 2/24/2005 Lims Bat # : LIMS-86076

QC Batch Number: GCMS/VOL-11490

Sample Id	Analysis	QC Analysis	Values	Units	Limits
05B05771					
	1,2-Dichloropropane	Matrix Spike % Rec.	115.2	%	70-130
	1,3-Dichloropropane	Sample Amount	<0.5	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	23.0	ug/l	
		Matrix Spike % Rec.	114.8	%	70-130
	2,2-Dichloropropane	Sample Amount	<0.5	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	15.0	ug/l	
		Matrix Spike % Rec.	74.8	%	70-130
	1,1,1,2-Tetrachloroethane	Sample Amount	<0.5	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	22.8	ug/l	
		Matrix Spike % Rec.	114.2	%	70-130
	1,2,3-Trichloropropane	Sample Amount	<0.5	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	23.2	ug/l	
		Matrix Spike % Rec.	115.9	%	70-130
	n-Butylbenzene	Sample Amount	<0.5	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	20.1	ug/l	
		Matrix Spike % Rec.	100.5	%	70-130
	Dichlorodifluoromethane	Sample Amount	<0.5	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	23.2	ug/l	
		Matrix Spike % Rec.	116.2	%	70-130
	Bromochloromethane	Sample Amount	<0.5	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	22.0	ug/l	
		Matrix Spike % Rec.	110.0	%	70-130
	Bromobenzene	Sample Amount	<0.5	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	22.8	ug/l	
		Matrix Spike % Rec.	114.2	%	70-130
	Iodomethane	Sample Amount	<1.0	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	24.0	ug/l	
		Matrix Spike % Rec.	119.9	%	
	Acrylonitrile	Sample Amount	<0.5	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	29.5	ug/l	
		Matrix Spike % Rec.	147.3	%	
	Carbon Disulfide	Sample Amount	<1.0	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	

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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QC Batch Number: GCMS/VOL-11490

Sample Id	Analysis	QC Analysis	Values	Units	Limits
05B05771					
	Carbon Disulfide	MS Amt Measured	24.3	ug/l	
		Matrix Spike % Rec.	121.6	%	70-130
	2-Hexanone	Sample Amount	<5.0	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	19.8	ug/l	
		Matrix Spike % Rec.	99.2	%	70-130
	trans-1,4-Dichloro-2-Butene	Sample Amount	<0.5	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	18.9	ug/l	
		Matrix Spike % Rec.	94.6	%	
	Ethyl Methacrylate	Sample Amount	<0.5	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	23.1	ug/l	
		Matrix Spike % Rec.	115.6	%	
	Diethyl Ether	Sample Amount	<1.0	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	23.7	ug/l	
		Matrix Spike % Rec.	118.6	%	70-130
	Bromodichloromethane	Sample Amount	<0.5	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	23.5	ug/l	
		Matrix Spike % Rec.	117.6	%	70-130
	1,2-Dichloroethane-d4	Surrogate Recovery	125.2	%	70-130
	Toluene-d8	Surrogate Recovery	101.0	%	70-130
	Bromofluorobenzene	Surrogate Recovery	94.4	%	70-130
	1,2-Dibromo-3-Chloropropane	Sample Amount	<0.5	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	20.5	ug/l	
		Matrix Spike % Rec.	102.4	%	70-130
	1,2-Dibromoethane	Sample Amount	<0.50	ug/l	
		Matrix Spk Amt Added	20.00	ug/l	
		MS Amt Measured	23.80	ug/l	
		Matrix Spike % Rec.	119.00	%	70-130
	Tetrahydrofuran	Sample Amount	<5.0	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	22.8	ug/l	
		Matrix Spike % Rec.	113.9	%	70-130
	tert-Butyl Alcohol	Sample Amount	<10.0	ug/l	
		Matrix Spk Amt Added	100.0	ug/l	
		MS Amt Measured	116.8	ug/l	
		Matrix Spike % Rec.	116.8	%	
	Diisopropyl Ether	Sample Amount	<0.5	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 2/24/2005 Lims Bat # : LIMS-86076

QC Batch Number: GCMS/VOL-11490

Sample Id	Analysis	QC Analysis	Values	Units	Limits
05B05771					
	Diisopropyl Ether	MS Amt Measured	23.7	ug/l	
		Matrix Spike % Rec.	118.5	%	70-130
	tert-Butylethyl Ether	Sample Amount	<0.5	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	23.5	ug/l	
		Matrix Spike % Rec.	117.6	%	70-130
	tert-Amylmethyl Ether	Sample Amount	<0.5	ug/l	
		Matrix Spk Amt Added	20.0	ug/l	
		MS Amt Measured	23.4	ug/l	
		Matrix Spike % Rec.	117.2	%	70-130
05B05772					
	1,2-Dichloroethane-d4	Surrogate Recovery	125.8	%	70-130
	Toluene-d8	Surrogate Recovery	100.2	%	70-130
	Bromofluorobenzene	Surrogate Recovery	96.4	%	70-130
05B05773					
	1,2-Dichloroethane-d4	Surrogate Recovery	120.2	%	70-130
	Toluene-d8	Surrogate Recovery	100.4	%	70-130
	Bromofluorobenzene	Surrogate Recovery	95.6	%	70-130
BLANK-70294					
	Acetone	Blank	<10.0	ug/l	
	Benzene	Blank	<0.5	ug/l	
	Carbon Tetrachloride	Blank	<0.5	ug/l	
	Chloroform	Blank	<0.5	ug/l	
	1,2-Dichloroethane	Blank	<0.5	ug/l	
	1,4-Dichlorobenzene	Blank	<0.5	ug/l	
	Ethyl Benzene	Blank	<0.5	ug/l	
	2-Butanone (MEK)	Blank	<5.0	ug/l	
	MIBK	Blank	<5.0	ug/l	
	Naphthalene	Blank	<0.5	ug/l	
	Styrene	Blank	<0.5	ug/l	
	Tetrachloroethylene	Blank	<0.5	ug/l	
	Toluene	Blank	<0.5	ug/l	
	1,1,1-Trichloroethane	Blank	<0.5	ug/l	
	Trichloroethylene	Blank	<0.5	ug/l	
	Trichlorofluoromethane	Blank	<1.0	ug/l	
	o-Xylene	Blank	<0.5	ug/l	
	m + p Xylene	Blank	<1.0	ug/l	
	1,2-Dichlorobenzene	Blank	<0.5	ug/l	
	1,3-Dichlorobenzene	Blank	<0.5	ug/l	
	1,1-Dichloroethane	Blank	<0.5	ug/l	
	1,1-Dichloroethylene	Blank	<1.0	ug/l	
	1,4-Dioxane	Blank	<50.0	ug/l	
	MTBE	Blank	<0.5	ug/l	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QC Batch Number: GCMS/VOL-11490

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-70294					
	trans-1,2-Dichloroethylene	Blank	<0.5	ug/l	
	Vinyl Chloride	Blank	<0.5	ug/l	
	Methylene Chloride	Blank	<2.0	ug/l	
	Chlorobenzene	Blank	<0.5	ug/l	
	Chloromethane	Blank	<0.5	ug/l	
	Bromomethane	Blank	<1.0	ug/l	
	Chloroethane	Blank	<0.5	ug/l	
	cis-1,3-Dichloropropene	Blank	<0.5	ug/l	
	trans-1,3-Dichloropropene	Blank	<0.5	ug/l	
	Chlorodibromomethane	Blank	<0.5	ug/l	
	1,1,2-Trichloroethane	Blank	<0.5	ug/l	
	2-Chloroethylvinylether	Blank	<0.5	ug/l	
	Bromoform	Blank	<0.5	ug/l	
	1,1,2,2-Tetrachloroethane	Blank	<0.5	ug/l	
	2-Chlorotoluene	Blank	<0.5	ug/l	
	Hexachlorobutadiene	Blank	<0.5	ug/l	
	Isopropylbenzene	Blank	<0.5	ug/l	
	p-Isopropyltoluene	Blank	<0.5	ug/l	
	n-Propylbenzene	Blank	<0.5	ug/l	
	sec-Butylbenzene	Blank	<0.5	ug/l	
	tert-Butylbenzene	Blank	<0.5	ug/l	
	1,2,3-Trichlorobenzene	Blank	<0.5	ug/l	
	1,2,4-Trichlorobenzene	Blank	<0.5	ug/l	
	1,2,4-Trimethylbenzene	Blank	<0.5	ug/l	
	1,3,5-Trimethylbenzene	Blank	<0.5	ug/l	
	Dibromomethane	Blank	<0.5	ug/l	
	cis-1,2-Dichloroethylene	Blank	<0.5	ug/l	
	4-Chlorotoluene	Blank	<0.5	ug/l	
	1,1-Dichloropropene	Blank	<0.5	ug/l	
	1,2-Dichloropropane	Blank	<0.5	ug/l	
	1,3-Dichloropropane	Blank	<0.5	ug/l	
	2,2-Dichloropropane	Blank	<0.5	ug/l	
	1,1,1,2-Tetrachloroethane	Blank	<0.5	ug/l	
	1,2,3-Trichloropropane	Blank	<0.5	ug/l	
	n-Butylbenzene	Blank	<0.5	ug/l	
	Dichlorodifluoromethane	Blank	<0.5	ug/l	
	Bromochloromethane	Blank	<0.5	ug/l	
	Bromobenzene	Blank	<0.5	ug/l	
	Iodomethane	Blank	<1.0	ug/l	
	Acrolein	Blank	<10.0	ug/l	
	Acrylonitrile	Blank	<0.5	ug/l	
	Carbon Disulfide	Blank	<1.0	ug/l	
	Vinyl Acetate	Blank	<10.0	ug/l	

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Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
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QC Batch Number: GCMS/VOL-11490

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-70294					
	2-Hexanone	Blank	<5.0	ug/l	
	trans-1,4-Dichloro-2-Butene	Blank	<0.5	ug/l	
	Ethyl Methacrylate	Blank	<0.5	ug/l	
	cis-1,4-Dichloro-2-Butene	Blank	<0.5	ug/l	
	Diethyl Ether	Blank	<1.0	ug/l	
	Bromodichloromethane	Blank	<0.5	ug/l	
	1,2-Dibromo-3-Chloropropane	Blank	<0.5	ug/l	
	1,2-Dibromoethane	Blank	<0.50	ug/l	
	Tetrahydrofuran	Blank	<5.0	ug/l	
	tert-Butyl Alcohol	Blank	<10.0	ug/l	
	Diisopropyl Ether	Blank	<0.5	ug/l	
	tert-Butylethyl Ether	Blank	<0.5	ug/l	
	tert-Amylmethyl Ether	Blank	<0.5	ug/l	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
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Method Blanks

Report Date: 2/24/2005 Lims Bat # : LIMS-86076

QC Batch Number: HG-5059

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-70394					
	Mercury	Blank	<0.00004	mg/l	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 2/24/2005 Lims Bat # : LIMS-86076

QC Batch Number: HGA/AA-4536

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-70486					
	Arsenic	Blank	<0.0025	mg/l	
LFBLANK-39533					
	Arsenic	Lab Fort Blank Amt.	2.0000	mg/l	
		Lab Fort Blk. Found	1.8490	mg/l	
		Lab Fort Blk. % Rec.	92.4500	%	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
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Method Blanks

Report Date: 2/24/2005 Lims Bat # : LIMS-86076

QC Batch Number: ICP-11341

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-70488					
	Silver	Blank	<0.005	mg/l	
	Barium	Blank	<0.0010	mg/l	
	Cadmium	Blank	0.0020	mg/l	
	Chromium	Blank	<0.004	mg/l	
	Lead	Blank	<0.002	mg/l	
	Selenium	Blank	<0.05	mg/l	
LFBLANK-39535					
	Silver	Lab Fort Blank Amt.	2.000	mg/l	
		Lab Fort Blk. Found	2.085	mg/l	
		Lab Fort Blk. % Rec.	104.235	%	
	Barium	Lab Fort Blank Amt.	2.0000	mg/l	
		Lab Fort Blk. Found	1.7556	mg/l	
		Lab Fort Blk. % Rec.	87.7800	%	85-115
	Cadmium	Lab Fort Blank Amt.	2.0000	mg/l	
		Lab Fort Blk. Found	1.9585	mg/l	
		Lab Fort Blk. % Rec.	97.9250	%	85-115
	Chromium	Lab Fort Blank Amt.	2.000	mg/l	
		Lab Fort Blk. Found	1.972	mg/l	
		Lab Fort Blk. % Rec.	98.600	%	85-115
	Lead	Lab Fort Blank Amt.	2.000	mg/l	
		Lab Fort Blk. Found	1.992	mg/l	
		Lab Fort Blk. % Rec.	99.610	%	85-115
	Selenium	Lab Fort Blank Amt.	2.00	mg/l	
		Lab Fort Blk. Found	1.99	mg/l	
		Lab Fort Blk. % Rec.	99.61	%	85-115

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NOTES:

QC Batch No. : GCMS/VOL-11490
Sample ID : 05B05771
Analysis : Methylene Chloride

MATRIX SPIKE RECOVERY IS OUTSIDE OF CONTROL LIMITS. DATA VALIDATION IS NOT AFFECTED SINCE SAMPLE RESULT IS "NOT DETECTED" AND RECOVERY BIAS IS ON THE HIGH SIDE FOR THIS COMPOUND.

QC Batch No. : GCMS/VOL-11490
Sample ID : 05B05771
Analysis : MIBK

MATRIX SPIKE RECOVERY IS OUTSIDE OF CONTROL LIMITS. DATA VALIDATION IS NOT AFFECTED SINCE SAMPLE RESULT IS "NOT DETECTED" AND RECOVERY BIAS IS ON THE HIGH SIDE FOR THIS COMPOUND.

QC Batch No. : GCMS/VOL-11490
Sample ID : 05B05771
Analysis : tert-Butylbenzene

MATRIX SPIKE RECOVERY IS OUTSIDE OF CONTROL LIMITS. DATA VALIDATION IS NOT AFFECTED SINCE SAMPLE RESULT IS "NOT DETECTED" AND RECOVERY BIAS IS ON THE HIGH SIDE FOR THIS COMPOUND.

QC Batch No. : GCMS/VOL-11490
Sample ID : 05B05771
Analysis : Tetrachloroethylene

MATRIX SPIKE RECOVERY IS OUTSIDE OF CONTROL LIMITS. ANALYSIS IS IN CONTROL BASED ON LABORATORY FORTIFIED BLANK RECOVERY. POSSIBILITY OF SAMPLE MATRIX EFFECTS THAT LEAD TO LOW BIAS FOR REPORTED RESULT CANNOT BE ELIMINATED AND IS LIKELY.

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QC SUMMARY REPORT

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QUALITY CONTROL DEFINITIONS AND ABBREVIATIONS

QC BATCH NUMBER	This is the number assigned to all samples analyzed together that would be subject to comparison with a particular set of Quality Control Data.
LIMITS	Upper and Lower Control Limits for the QC ANALYSIS Reported. All values normally would fall within these statistically determined limits, unless there is an unusual circumstance that would be documented in a NOTE appearing on the last page of the QC SUMMARY REPORT. Not all QC results will have Limits defined.
Sample Amount	Amount of analyte found in a sample.
Blank	Method Blank that has been taken though all the steps of the analysis.
LFBLANK	Laboratory Fortified Blank (a control sample)
STDADD	Standard Added (a laboratory control sample)
Matrix Spk Amt Added	Amount of analyte spiked into a sample
MS Amt Measured	Amount of analyte found including amount that was spiked
Matrix Spike % Rec.	% Recovery of spiked amount in sample.
Duplicate Value	The result from the Duplicate analysis of the sample.
Duplicate RPD	The Relative Percent Difference between two Duplicate Analyses.
Surrogate Recovery	The % Recovery for non-environmental compounds (surrogates) spiked into samples to determine the performance of the analytical methods.
Sur. Recovery (ELCD)	Surrogate Recovery on the Electrolytic Conductivity Detector.
Sur. Recovery (PID)	Surrogate Recovery on the Photoionization Detector.
Standard Measured	Amount measured for a laboratory control sample
Standard Amt Added	Known value for a laboratory control sample
Standard % Recovery	% recovered for a laboratory control sample with a known value.
Lab Fort Blank Amt	Laboratory Fortified Blank Amount Added
Lab Fort Blk. Found	Laboratory Fortified Blank Amount Found
Lab Fort Blk % Rec	Laboratory Fortified Blank % Recovered
Dup Lab Fort Bl Amt	Duplicate Laboratory Fortified Blank Amount Added
Dup Lab Fort Bl Fnd	Duplicate Laboratory Fortified Blank Amount Found
Dup Lab Fort Bl % Rec	Duplicate Laboratory Fortified Blank % Recovery
Lab Fort Blank Range	Laboratory Fortified Blank Range (Absolute value of difference between recoveries for Lab Fortified Blank and Lab Fortified Blank Duplicate).
Lab Fort Bl. Av. Rec.	Laboratory Fortified Blank Average Recovery
Duplicate Sample Amt	Sample Value for Duplicate used with Matrix Spike Duplicate
MSD Amount Added	Matrix Spike Duplicate Amount Added (Spiked)
MSD Amt Measured	Matrix Spike Duplicate Amount Measured
MSD % Recovery	Matrix Spike Duplicate % Recovery
MSD Range	Absolute difference between Matrix Spike and Matrix Spike Duplicate Recoveries

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CHAIN OF CUSTODY RECORD

Dino # 8076

39 SPRUCE ST, 2ND FLOOR
EAST LONGMEADOW, MA 01028

Company Name: VHB
Address: 54 Tuttle Place Middletown CT
Attention: Amy Czerwonka
Project Location: 34 East Main St
Sampled By: AC

Telephone: (860) 632-4500
Project # 40990.00
Client PO # 40990

DATA DELIVERY (check one):
☑ FAX ☑ EMAIL ☐ WEBSITE CLIENT
Fax #: 860 632-7879
Email: A.Czerwonka@VHB.com
Format: ☑ EXCEL ☐ PDF ☐ GIS KEY

Proposal Provided? (For Billing purposes)
☑ yes 1/31/05 proposal date

State Form Required?
☐ yes ☐ no

Field ID	Sample Description	Lab # 05B	Date Sampled: Start Date/Time	Date Sampled: Stop Date/Time	Composite	Grab	*Matrix Code	# of containers	**Preservation	~Cont.Code
								9	4	4
								H		N
								V	A	D
MW-11	upgradient well	05770	2/14/05	2/14/05		✓	GW	✓	✓	✓
MW-12	downgradient well	05771				✓	GW	✓	✓	✓
MW-13	fire tower	05772				✓	GW	✓	✓	✓
MW-12	Duplicate							✓	✓	✓
	Trip Blank HCL	05773								
	2/15/5 AM Hold Dup for TCLP per Amy									

ANALYSIS REQUESTED: VOC 8260 (CTETPH) RCRA Metals

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

Comments:

Relinquished by: (signature)	Date/Time:
Amy Czerwonka	2/14/05
Received by: (signature)	Date/Time:
Joe Ouellette	2/14/05 15:40
Relinquished by: (signature)	Date/Time:
Joe Ouellette	2/14/05 1715
Received by: (signature)	Date/Time:
Meghann Kelley	2/14/05 7:00 (10cc)

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

Detection Limit Requirements
Regulations? CT RSRs
Data Enhancement Project? ☐ Y ☐ N
(MA MCP sites only)
Special Requirements or DL's:

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

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

**Turnaround time begins at 9:00 a.m. the day after sample receipt (unless received before 2:00 p.m.)

Con-Test Laboratory is the ONLY independent laboratory in all of New England with both prestigious AIHA and NELAC Certifications and WBE/DBE Certified!

MAB

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

REPORT DATE 3/4/2005

VANASSE HANGEN BRUSTLIN, INC. - CT
54 TUTTLE PLACE
MIDDLETOWN, CT 06457
ATTN: AMY CZERWONKA

CONTRACT NUMBER:
PURCHASE ORDER NUMBER: 40990.00

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMS-86319
JOB NUMBER: 40990.00

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

PROJECT LOCATION: 34 EAST MAIN ST

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST
B-34	05B07021	SOIL	NOT SPECIFIED	splp - arsenic
B-34	05B07021	SOIL	NOT SPECIFIED	splp - cd low
B-34	05B07021	SOIL	NOT SPECIFIED	splp - chromium
B-34	05B07021	SOIL	NOT SPECIFIED	splp - lead icp
B-34	05B07021	SOIL	NOT SPECIFIED	splp - silver
B-34	05B07021	SOIL	NOT SPECIFIED	splp barium icp
B-34	05B07021	SOIL	NOT SPECIFIED	splp mercury

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

AIHA 100033	AIHA ELLAP (LEAD) 100033	
MASSACHUSETTS MA0100	NEW HAMPSHIRE NELAP 2516	NEW JERSEY NELAP NJ MA007 (AIR)
CONNECTICUT PH-0567	VERMONT DOH (LEAD) No. LL015036	ARIZONA AZ0648
NEW YORK ELAP/NELAP 10899	RHODE ISLAND (LIC. No. 112)	ARIZONA AZ0654 (AIR)

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.

Sondra S. Kocot 03/04/05

SIGNATURE DATE

Tod Kopyscinski
Director of Operations

Sondra S. Kocot
Quality Control Coordinator

Edward Denson
Technical Director

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AMY CZERWONKA
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54 TUTTLE PLACE
MIDDLETOWN, CT 06457

3/4/2005

Purchase Order No.: 40990.00

Project Location: 34 EAST MAIN ST
Date Received: 2/24/2005
Field Sample # : **B-34**

LIMS-BAT #: LIMS-86319
Job Number: 40990.00

Sample ID : **05B07021**
Sampled : 2/7/2005
NOT SPECIFIED

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Arsenic	mg/l leachate	ND	03/04/05	KRL	0.05		5	P

Analytical Method:
SW 846 1312/6010
SYNTHETIC PRECIPITATION LEACHING PROCEDURE (SPLP). SAMPLES ARE LEACHED FOR 16-20 HOURS IN THE APPROPRIATE LEACHING SOLUTION ACCORDING TO SPLP AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY. WATER SAMPLES ARE FILTERED, NOT EXTRACTED.

RL = Reporting Limit
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* = See end of report for comments and notes applying to this sample

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Purchase Order No.: 40990.00

Project Location: 34 EAST MAIN ST
Date Received: 2/24/2005
Field Sample # : **B-34**
Sample ID : **05B07021**
Sampled : 2/7/2005
NOT SPECIFIED
Sample Matrix: SOIL

LIMS-BAT #: LIMS-86319
Job Number: 40990.00

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Cadmium	mg/l leachate	ND	03/04/05	KRL	0.002			

Analytical Method:
SW 846 1312/6010
SYNTHETIC PRECIPITATION LEACHING PROCEDURE (SPLP). SAMPLES ARE LEACHED FOR 16-20 HOURS IN THE APPROPRIATE LEACHING SOLUTION ACCORDING TO SPLP AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY. WATER SAMPLES ARE FILTERED, NOT EXTRACTED.

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Date Received: 2/24/2005
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Sample ID : **05B07021**
Sampled : 2/7/2005
NOT SPECIFIED
Sample Matrix: SOIL

LIMS-BAT #: LIMS-86319
Job Number: 40990.00

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Chromium	mg/l leachate	ND	03/04/05	KRL	0.02		5	P

Analytical Method:
SW 846 1312/6010
SYNTHETIC PRECIPITATION LEACHING PROCEDURE (SPLP). SAMPLES ARE LEACHED FOR 16-20 HOURS IN THE APPROPRIATE LEACHING SOLUTION ACCORDING TO SPLP AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY. WATER SAMPLES ARE FILTERED, NOT EXTRACTED.

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Purchase Order No.: 40990.00

Project Location: 34 EAST MAIN ST
Date Received: 2/24/2005
Field Sample # : B-34

LIMS-BAT #: LIMS-86319
Job Number: 40990.00

Sample ID : 05B07021
Sampled : 2/7/2005
NOT SPECIFIED

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Lead	mg/l leachate	ND	03/04/05	KRL	0.01		5	P

Analytical Method:
SW 846 1312/6010
SYNTHETIC PRECIPITATION LEACHING PROCEDURE (SPLP). SAMPLES ARE LEACHED FOR 16-20 HOURS IN THE APPROPRIATE LEACHING SOLUTION ACCORDING TO SPLP AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY. WATER SAMPLES ARE FILTERED, NOT EXTRACTED.

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3/4/2005

Purchase Order No.: 40990.00

Project Location: 34 EAST MAIN ST
Date Received: 2/24/2005
Field Sample # : **B-34**

LIMS-BAT #: LIMS-86319
Job Number: 40990.00

Sample ID : **05B07021**
Sampled : 2/7/2005
NOT SPECIFIED

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Silver	mg/l leachate	ND	03/04/05	KRL	0.02		5	P

Analytical Method:
SW 846 1312/6010
SYNTHETIC PRECIPITATION LEACHING PROCEDURE (SPLP). SAMPLES ARE LEACHED FOR 16-20 HOURS IN THE APPROPRIATE LEACHING SOLUTION ACCORDING TO SPLP AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY. WATER SAMPLES ARE FILTERED, NOT EXTRACTED.

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3/4/2005

Purchase Order No.: 40990.00

Project Location: 34 EAST MAIN ST
Date Received: 2/24/2005
Field Sample # : **B-34**

LIMS-BAT #: LIMS-86319
Job Number: 40990.00

Sample ID : **05B07021**
Sampled : 2/7/2005
NOT SPECIFIED

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Barium	mg/l leachate	0.18	03/04/05	KRL	0.02		100	P

Analytical Method:
SW 846 1312/6010
SYNTHETIC PRECIPITATION LEACHING PROCEDURE (SPLP). SAMPLES ARE LEACHED FOR 16-20 HOURS IN THE APPROPRIATE LEACHING SOLUTION ACCORDING TO SPLP AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY. WATER SAMPLES ARE FILTERED, NOT EXTRACTED.

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3/4/2005

Purchase Order No.: 40990.00

Project Location: 34 EAST MAIN ST
Date Received: 2/24/2005
Field Sample # : **B-34**

LIMS-BAT #: LIMS-86319
Job Number: 40990.00

Sample ID : **05B07021**
Sampled : 2/7/2005
NOT SPECIFIED

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/l leachate	ND	03/02/05	JTB	0.00004		0.2	P

Analytical Method:
SW846 1312/7470

SW846 1312 SYNTHETIC PRECIPITATION LEACHING PROCEDURE (SPLP). SAMPLES ARE LEACHED FOR 16-20 HOURS IN THE APPROPRIATE SOLUTION ACCORDING TO SPLP. WATER SAMPLES ARE FILTERED, NOT EXTRACTED.

SW846 7470 MERCURY LEACHATE IS ANALYZED BY COLD VAPOR (FLAMELESS) ATOMIC ABSORPTION SPECTROPHOTOMETRY.

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* = See end of report for comments and notes applying to this sample

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3/4/2005

Purchase Order No.: 40990.00

Project Location: 34 EAST MAIN ST
Date Received: 2/24/2005

LIMS-BAT #: LIMS-86319
Job Number: 40990.00

** END OF REPORT **

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 3/4/2005 Lims Bat # : LIMS-86319

QC Batch Number: HG/TCLP-1858

Sample Id	Analysis	QC Analysis	Values	Units	Limits
05B07021					
	Mercury	Sample Amount	<0.00004	mg/l leachate	
		Matrix Spk Amt Added	0.00200	mg/l leachate	
		MS Amt Measured	0.00211	mg/l leachate	
		Matrix Spike % Rec.	105.50000	%	75-125
BLANK-70708					
	Mercury	Blank	<0.00004	mg/l leachate	
LFBLANK-39671					
	Mercury	Lab Fort Blank Amt.	0.00200	mg/l leachate	
		Lab Fort Blk. Found	0.00216	mg/l leachate	
		Lab Fort Blk. % Rec.	108.00000	%	80-120

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QC Batch Number: ICP/TCLP-2245

Sample Id	Analysis	QC Analysis	Values	Units	Limits
05B07021					
	Silver	Sample Amount	<0.02	mg/l leachate	
		Matrix Spk Amt Added	2.00	mg/l leachate	
		MS Amt Measured	2.13	mg/l leachate	
		Matrix Spike % Rec.	106.32	%	
	Arsenic	Sample Amount	<0.05	mg/l leachate	
		Matrix Spk Amt Added	2.00	mg/l leachate	
		MS Amt Measured	2.39	mg/l leachate	
		Matrix Spike % Rec.	119.31	%	70-130
	Barium	Sample Amount	0.18	mg/l leachate	
		Matrix Spk Amt Added	2.00	mg/l leachate	
		MS Amt Measured	2.37	mg/l leachate	
		Matrix Spike % Rec.	109.47	%	70-130
	Cadmium	Sample Amount	<0.002	mg/l leachate	
		Matrix Spk Amt Added	2.000	mg/l leachate	
		MS Amt Measured	2.171	mg/l leachate	
		Matrix Spike % Rec.	108.530	%	70-130
	Chromium	Sample Amount	<0.02	mg/l leachate	
		Matrix Spk Amt Added	2.00	mg/l leachate	
		MS Amt Measured	2.17	mg/l leachate	
		Matrix Spike % Rec.	108.30	%	70-130
	Lead	Sample Amount	<0.01	mg/l leachate	
		Matrix Spk Amt Added	2.00	mg/l leachate	
		MS Amt Measured	2.20	mg/l leachate	
		Matrix Spike % Rec.	110.10	%	70-130
BLANK-70804					
	Silver	Blank	<0.03	mg/l leachate	
	Arsenic	Blank	<0.05	mg/l leachate	
	Barium	Blank	0.23	mg/l leachate	
	Cadmium	Blank	<0.003	mg/l leachate	
	Chromium	Blank	<0.03	mg/l leachate	
	Lead	Blank	<0.01	mg/l leachate	
LFBLANK-39734					
	Silver	Lab Fort Blank Amt.	2.00	mg/l leachate	
		Lab Fort Blk. Found	2.13	mg/l leachate	
		Lab Fort Blk. % Rec.	106.64	%	80-120
	Arsenic	Lab Fort Blank Amt.	2.00	mg/l leachate	
		Lab Fort Blk. Found	2.40	mg/l leachate	
		Lab Fort Blk. % Rec.	119.95	%	80-120
	Barium	Lab Fort Blank Amt.	2.00	mg/l leachate	
		Lab Fort Blk. Found	2.44	mg/l leachate	
		Lab Fort Blk. % Rec.	121.78	%	80-120
	Cadmium	Lab Fort Blank Amt.	2.000	mg/l leachate	
		Lab Fort Blk. Found	2.162	mg/l leachate	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 3/4/2005 Lims Bat # : LIMS-86319

QC Batch Number: ICP/TCLP-2245

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-39734					
	Cadmium	Lab Fort Blk. % Rec.	108.080	%	85-115
	Chromium	Lab Fort Blank Amt.	2.00	mg/l leachate	
		Lab Fort Blk. Found	2.15	mg/l leachate	
		Lab Fort Blk. % Rec.	107.34	%	80-120
	Lead	Lab Fort Blank Amt.	2.00	mg/l leachate	
		Lab Fort Blk. Found	2.19	mg/l leachate	
		Lab Fort Blk. % Rec.	109.57	%	80-120

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

NOTES:

QC Batch No. : ICP/TCLP-2245
Sample ID : BLANK-70804
Analysis : Barium

THE LABORATORY FORTIFIED BLANK RECOVERY IS OUTSIDE OF CONTROL LIMITS DUE TO THE PROCESS CONTAMINATION REPORTED IN THE METHOD BLANK, WHICH BIASED THE RECOVERY UPWARD

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QUALITY CONTROL DEFINITIONS AND ABBREVIATIONS

QC BATCH NUMBER	This is the number assigned to all samples analyzed together that would be subject to comparison with a particular set of Quality Control Data.
LIMITS	Upper and Lower Control Limits for the QC ANALYSIS Reported. All values normally would fall within these statistically determined limits, unless there is an unusual circumstance that would be documented in a NOTE appearing on the last page of the QC SUMMARY REPORT. Not all QC results will have Limits defined.
Sample Amount	Amount of analyte found in a sample.
Blank	Method Blank that has been taken though all the steps of the analysis.
LFBLANK	Laboratory Fortified Blank (a control sample)
STDADD	Standard Added (a laboratory control sample)
Matrix Spk Amt Added	Amount of analyte spiked into a sample
MS Amt Measured	Amount of analyte found including amount that was spiked
Matrix Spike % Rec.	% Recovery of spiked amount in sample.
Duplicate Value	The result from the Duplicate analysis of the sample.
Duplicate RPD	The Relative Percent Difference between two Duplicate Analyses.
Surrogate Recovery	The % Recovery for non-environmental compounds (surrogates) spiked into samples to determine the performance of the analytical methods.
Sur. Recovery (ELCD)	Surrogate Recovery on the Electrolytic Conductivity Detector.
Sur. Recovery (PID)	Surrogate Recovery on the Photoionization Detector.
Standard Measured	Amount measured for a laboratory control sample
Standard Amt Added	Known value for a laboratory control sample
Standard % Recovery	% recovered for a laboratory control sample with a known value.
Lab Fort Blank Amt	Laboratory Fortified Blank Amount Added
Lab Fort Blk. Found	Laboratory Fortified Blank Amount Found
Lab Fort Blk % Rec	Laboratory Fortified Blank % Recovered
Dup Lab Fort Bl Amt	Duplicate Laboratory Fortified Blank Amount Added
Dup Lab Fort Bl Fnd	Duplicate Laboratory Fortified Blank Amount Found
Dup Lab Fort Bl % Rec	Duplicate Laboratory Fortified Blank % Recovery
Lab Fort Blank Range	Laboratory Fortified Blank Range (Absolute value of difference between recoveries for Lab Fortified Blank and Lab Fortified Blank Duplicate).
Lab Fort Bl. Av. Rec.	Laboratory Fortified Blank Average Recovery
Duplicate Sample Amt	Sample Value for Duplicate used with Matrix Spike Duplicate
MSD Amount Added	Matrix Spike Duplicate Amount Added (Spiked)
MSD Amt Measured	Matrix Spike Duplicate Amount Measured
MSD % Recovery	Matrix Spike Duplicate % Recovery
MSD Range	Absolute difference between Matrix Spike and Matrix Spike Duplicate Recoveries

con-test ANALYTICAL LABORATORY

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Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD (6B)

Amo # 85921 86319

39 SPRUCE ST 2ND FLOOR 264
EAST LONGMEADOW, MA 01028

Company Name: VHB
Address: 54 Tuttle Place, Middletown, CT 06457
Attention: Amy Czerwonka
Project Location: 34 East Main St
Sampled By: Jennifer Cape / Amy Czerwonka

Telephone: (860) 632-1500
Project # 40990.00
Client PO # 40990.00

DATA DELIVERY (check one): ☑ FAX ☐ EMAIL ☐ WEBSITE CLIENT
Fax #: 860 632 7879
Email:
Format: ☐ EXCEL ☐ PDF ☐ GIS KEY

Proposal Provided? (For Billing purposes) ☐ yes ________ proposal date
State Form Required? ☐ yes ☐ no

# of containers											1	8	6 ←
**Preservation											n/B		
~Cont. Code											✓	A ←	

Field ID	Sample Description	Lab # 58	Start Date/Time	Stop Date/Time	Composite	Grab	*Matrix Code	VOCs 8260	PAHs 8270B	CTETPH	PCBs	RCRA 8 metals		SPLP As, Ba, Cd, Cr, Pb, Hg, Ag
B-31	upgradient SW corner	04587	2/7/05	2/7/05		✓	S	✓	✓	✓		✓		
B-32	NW corner Sanitation Bldg by USTs	04588	↓	↓		✓	S	✓		✓				
B-33	NW corner Incinerator Bldg by UST	04589				✓	S	✓		✓				
B-34	Downgradient Near DL Incinerator Bldg	04590	07021			✓	S	✓	✓	✓	✓	✓		
B-35	SE corner Incinerator Bldg by smoke stack	04591				✓	S	✓	✓	✓	✓	✓		X
B-36	East of Sanitation Bldg former sewage treatment	04592	↓	↓		✓	S	✓	✓	✓		✓		
	(MLB)													
	Cooler Blank													

Comments: (MS) ... 1-3 ... no amber for B-31 or B-32 (1-3) ... B-34 has (1) (1-3) (1) 9-11 / B-35 had (1) (1-3) (1) 3-5

Relinquished by: (signature)	Date/Time:
Amy Czerwonka	2/8/05
Received by: (signature)	Date/Time: 2/8/05 1020
Relinquished by: (signature)	Date/Time: 2/8/05 545
Received by: (signature) 3.0	Date/Time: 2/8 1745

Turnaround **
☐ *5-Day
☑ 7-Day
☐ 10-Day
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

Detection Limit Requirements
Regulations? CT DEP
Data Enhancement Project? ☐ Y ☐ N
(MA MCP sites only)
Special Requirements or DL's: ________

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

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

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

**Turnaround time begins at 9:00 a.m. the day after sample receipt (unless received before 2:00 p.m.)

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