FPM group Engineering and Environmental Science

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VIA OVERNIGHT COURIER

February 14, 2006

Mr. Jeffrey L. Dyber, P.E.
Environmental Engineer 2
Bureau of Eastern Remedial Action
New York State Department of
Environmental Conservation
625 Broadway, 11th Floor
Albany, NY 12233-7015

Re: **Groundwater and Soil Vapor Sampling Results**
Win-Holt Equipment Corp.
592 Brook Street, Garden City, New York
Site #V00243-1
FPM File No. 562-05-08

Dear Jeff:

FPM Group (FPM) has performed monitoring well installation, groundwater sampling, and a portion of the soil vapor sampling outlined in the Remedial Action Work Plan (RAWP) for the above-referenced facility, as approved by the New York State Department of Environmental Conservation (NYSDEC). This interim report documents the well installation procedures, groundwater and soil vapor sampling procedures, laboratory results, and our recommendations.

Groundwater Monitoring Well Installation

As per the RAWP, two additional monitoring wells (W-2A and W-8) were installed at the facility in December 2005. Well W-2A was installed adjacent to well W-2 for the purpose of assessing groundwater conditions in the deeper interval (50 to 60 feet below grade) beneath well W-2. Well W-8 was installed slightly downgradient of the source area to provide for evaluation and monitoring of groundwater conditions immediately downgradient of the proposed air sparging area. Each well was installed using a hollow-stem auger rig equipped with eight-inch-diameter augers. A four-inch-diameter Schedule 40 PVC well screen was installed at a depth of 50 to 60 feet below grade at W-2A, and at a depth of 19 to 34 feet below grade at W-8. The remainder of each well was constructed with four-inch diameter PVC casing installed to six inches below grade. The annulus of each well was backfilled with Morie #1 well gravel to approximately two feet above the top of the screen and the balance was backfilled with bentonite to the water table surface and screened cuttings to near grade. The top of each well casing was capped with an expansion-fit locking well cap and the casing was protected with a bolt-down flush-mounted manhole cover set in concrete. Copies of the boring logs documenting the construction of each well are Included in Attachment A.

During drilling the soil cuttings were visually inspected and screened for indications of potential contamination with a calibrated photoionization detector (PID). Only low organic vapor

concentrations were detected, ranging up to 8.8 ppm. However, moderate solvent odors were noted for soil cuttings from the 20-30-foot interval at well W-2A. Based on the presence of odors, the soil cuttings exhibiting odors were drummed and will be properly disposed off site. A copy of the waste manifest will be provided in the final remedial report.

Following installation, each well was developed by pumping and surging until the produced groundwater was clear (turbidity less than 50 nephelometric turbidity units, or NTUs) and the parameters pH, temperature, and conductivity varied by less than 10 percent between removal of successive casing volumes of groundwater. Purge water was collected in 55-gallon drums and will be properly disposed off site. Waste manifests documenting this disposal will be provided in the final remedial report.

During the installation of well W-2A, soil samples were obtained at five-foot intervals from 30 feet below grade to the total boring depth (62.5 feet below grade). The soil samples were examined and classified to evaluate the potential presence of any low-permeability materials (silt or clay) that may impact on remediation system design and/or performance. All of the materials encountered consisted of sand and gravel with the exception of an interval of clay from 61 to 62.5 feet below grade. Based on this information, no difficulties are anticipated with remediation system performance, as designed.

Groundwater Sampling Procedures

Groundwater sampling included wells W-2 through W-8. Upgradient well W-1 was not sampled as previous sampling events have showed few or no detections. The monitoring well locations are shown on Figure 1. The sampling procedures were in accordance with the RAWP. The depth to water was measured at each well with a water level indicator and recorded to the nearest 0.01 foot. A decontaminated submersible pump with polyethylene tubing was used to purge a minimum of three casing volumes of water from each well. All non-disposable equipment that entered the well was decontaminated with a low-phosphate detergent and potable water wash followed by a distilled water rinse prior to use.

Following the removal of each casing volume, field parameters, including pH, turbidity, specific conductivity, and temperature were monitored. Stability was achieved when all stability parameters varied less than 10 percent between the removal of successive casing volumes and after at least three casing volumes have been removed. Upon achievement of stability, a water sample was obtained from each well using a dedicated disposable bailer.

Samples were placed into laboratory-provided sample containers. Each sample container was labeled with the location, well number, date and time of sampling, and analysis to be performed. The labeled sample containers were then placed in laboratory-supplied coolers with ice to depress the temperature to four degrees Celsius. A chain-of-custody form was filled out and kept with the samples in the coolers to document the sequence of sample possession. The sample coolers were delivered by an overnight courier to the selected laboratory, Severn-Trent Laboratory of Connecticut (STL). The groundwater samples were analyzed for Target Compound List (TCL) volatile organic compounds (VOCs) using the CLP-equivalent of EPA Method 8260. Table 1 shows the summarized current and historic groundwater data. The laboratory report is included in Attachment B.

Groundwater Sampling Results

VOCs exceeding the NYSDEC Class GA Ambient Water Quality Standards (Standards) were detected at all of the sampled wells, with the exception of well W-3. These VOCs were distributed in a similar manner as noted during previous sampling events.

Wells W-8, W-2 and W-2A, located in close downgradient proximity to the source area, contained primarily or exclusively petroleum VOCs at low levels (30 micrograms per liter, or ug/l, total petroleum VOCs) to more elevated levels (18,690 ug/l total petroleum VOCs). Petroleum VOCs were not detected further downgradient in any other of the monitoring wells. The current distribution of petroleum-related VOCs in groundwater is shown in plan view in Figures 1 and 2 and in cross-section in Figure 3.

Chlorinated VOCs were found at low concentrations (2 to 23 ug/l) in source-proximal wells W-2 and W-2A and also at low concentrations (3 to 20 ug/l) in cross-gradient wells W-3 and W-4. Chlorinated VOCs were not detected in well W-8, located slightly downgradient of the former source area. Low to moderate chlorinated VOC concentrations (33 to 769 ug/l) were detected at downgradient wells W-5 and W-6. Further downgradient, at well W-7, chlorinated VOCs were also somewhat low at 89 ug/l. The current distribution of chlorinated VOCs in groundwater is shown in plan view in Figures 1 and 2 and in cross-section in Figure 3.

The December 2005 groundwater data were compared to the historic groundwater data, as shown in Table 1. In general, in the near-source area (well W-2) petroleum VOCs and total chlorinated VOCs have declined and both are now at low levels. Deep onsite well W-2A shows total petroleum VOCs at 160 ug/l, which is significantly lower than previously detected in June 2001 at the same location (GP-1, 52 to 54 feet, total petroleum VOCs at 1,066 ug/l). At crossgradient wells W-3 and W-4, petroleum VOCs remain non-detect and chlorinated VOCs are low and have declined relative to previous sampling events. Further downgradient at wells W-5 and W-6 total chlorinated VOC concentrations have continued to decline and are now at 33 and 779 ug/l, respectively, in these wells. At the furthest downgradient well (W-7), total chlorinated VOC concentrations continue to remain somewhat low.

Summary of December 2005 Groundwater Conditions

A small plume of petroleum VOC-impacted groundwater is present primarily in the shallow groundwater in the area of onsite well W-2 and extends a short distance downgradient to well W-8. This plume does not extend crossgradient to wells W-3 or W-4 or further downgradient to wells W-5 through W-7. This plume decreases in concentration downward, as shown by the W-2A results. This plume also appears to be decreasing in concentration over time, although the onsite concentration at well W-8 remains somewhat elevated. The approximate vertical and lateral extents of the petroleum VOC plume are shown in Figures 2 and 3.

A plume of chlorinated VOC-impacted groundwater has detached from its former source area and remains present downgradient. The most concentrated portion of the plume exists in the vicinity of well W-6, although the concentrations are decreasing. Only low chlorinated VOC concentrations (less than 100 ug/l) were noted near the source area and at the leading edge of the plume. The approximate lateral and vertical extents of the chlorinated VOC plume are shown on Figures 2 and 3.

Soil Gas Sampling Procedures and Results

To further evaluate the previous soil gas detections, soil gas was sampled at three locations crossgradient and distant from the groundwater plumes to determine ambient background soil gas conditions in the Site vicinity. The background soil gas sampling locations, SG-7 through SG-9, are identified on Figure 2 and were all located in the same residential area as the previous soil gas sampling locations along Grove Street.

Sampling procedures were in accordance with New York State Department of Health (NYSDOH) guidance. At each location sampled, decontaminated stainless steel rods were installed by hand to the desired sampling depths: two and six feet below grade. At each target depth, a stainless steel sampling screen attached to polyethylene tubing was inserted through the rods and the rods were subsequently removed. The annulus around the screen was filled with glass beads from the bottom of the boring to one foot above the screen, a one-foot bentonite seal was placed above the beads, and the remainder of the boring was backfilled with sand. The polyethylene tubing was routed through an enclosure sealed to the soil surface with bentonite. The enclosure was filled with helium gas and the presence of helium in the enclosure was confirmed using a helium meter. Prior to sampling, the soil gas in the polyethylene tubing was purged and was monitored with a helium detector to ensure that surface air in the enclosure around the implant was not being drawn into the sample. Sufficient air was purged through the polyethylene tubing so as to ensure that a sample of soil vapor from the targeted depth was obtained. Following purging, a soil vapor sample was directed from the polyethylene tubing into a SUMMA canister equipped with a one-hour flow controller. The filled canister was sealed, labeled, and transported to York Analytical Laboratories, Inc., a NYSDOH-certified lab, to be analyzed for VOCs using the TO-15 method.

The December 2005 background soil gas sample results are summarized in Table 2. Since no NYSDOH guidelines for soil vapor concentrations are available for most analytes, the results were compared to background outdoor air levels in the vicinity of homes and offices from a US Environmental Protection Agency (USEPA) study. It was noted that several petroleum-related VOCs were present in each sample. In general, the more elevated concentrations were found in the shallower samples and the concentrations in the deeper samples at the same location were lower. All of the detections exceeded the ranges of background concentrations in outdoor air. No chlorinated solvents were detected. These data suggest that petroleum-related compounds are common in the subsurface environment in suburban residential areas and can easily exceed background levels in outdoor air.

These data were compared to the previous results from the April 2003 soil gas samples collected along Grove Street above the plume, as summarized in Table 3. It was noted that the levels of many of the petroleum constituents, including benzene, toluene, n-hexane, and others, were comparable between these two datasets, suggesting that some of the detections in the previous samples are related to background conditions. However, some petroleum constituents noted in both sets of samples (for example, ethylbenzene, xylenes, and 4-ethyltoluene) were found to be higher in the samples collected from above the plume. Therefore, a component of the detections above the plume may be plume-related. Finally, one chlorinated VOC, 1,1,1-TCA was found in both the plume and in the soil gas above the plume, but was not found in the background samples. Therefore, this detection may also be plume-related.

Two monitoring points, MP-1 and MP-2, were installed beneath the concrete slab inside the Site building approximately 25 feet and 45 feet north of the proposed SVE wells. The monitoring points will be used to evaluate the radius of influence of the SVE system and to evaluate subsurface soil

gas conditions beneath the concrete slab of the building. Each monitoring point consists of one-inch diameter Schedule 40 PVC screened from 1 to 4.5 feet below grade. The tops of the PVC screens were capped and will be equipped with a valve for monitoring purposes. Each well annulus was gravel-packed to approximately six inches below grade and a bentonite seal was installed above the gravel pack. Each monitoring point is protected by a steel protective cover encased in concrete. The base of the protective cover was layered with poly sheeting to further reduce the potential for short-circuiting to the monitoring point screens. Soil gas sampling at these monitoring points is planned for February 2006 in conjunction with indoor air monitoring and ambient air sampling.

Additional soil gas sampling will be performed in accordance with the approved RAWP and will include two adjacent commercial buildings and six downgradient residences. FPM has recently received authorization to approach the offsite residents and neighboring businesses for property access. This is anticipated to also take place in February 2006.

Quality Assurance/Quality Control Procedures

Quality assurance/quality control (QA/QC) procedures were utilized during groundwater and soil gas sampling to ensure that the resulting chemical analytical data accurately represent subsurface conditions at the Site. These procedures were preformed in accordance with the approved RAWP with the exception that a trip blank sample was not obtained during the soil gas sampling. A trip blank had been requested from the laboratory but was not properly prepared by the lab prior to receipt in the field. This condition will be corrected during subsequent sampling events.

An equipment blank groundwater sample (W-2F) was collected to evaluate the effectiveness of decontamination procedures. The sample consisted of an aliquot of laboratory-supplied water poured over the dedicated or decontaminated sampling equipment and then submitted to the laboratory for analysis. The laboratory results indicate that only low concentrations of methylene chloride and xylenes were detected in this sample. The methylene chloride detection is B-qualified , indicating that it was found in an associated blank sample, as discussed below. Methylene chloride is a common laboratory contaminant and detections are likely laboratory-related. Xylenes were not detected in most of the primary samples and, therefore, the xylenes detected in the field blank appear to be an isolated incident and not indicative of field or laboratory cross-contamination.

A trip blank sample was collected to evaluate the potential for VOC cross-contamination between samples in the same cooler. The trip blank sample consisted of an aliquot of laboratory water sealed in sample bottles at the laboratory transported to the field with the empty sample bottles. The laboratory results indicate that only a low concentration of methylene chloride was detected in the sample. As discussed above, the methylene chloride detection is B-qualified , indicating that it was found in an associated blank sample, as discussed below. Methylene chloride is a common laboratory contaminant and detections are likely laboratory-related.

A duplicate groundwater sample (W-8D) was collected from well W-8 to attest to the precision of the laboratory. The duplicate sample consisted of a separate aliquot of sample collected at the same time, in the same manner, and analyzed for the same parameters as the primary environmental sample. The laboratory results for both samples are comparable and, therefore, laboratory analyses appear to be sufficiently precise.

Method blank samples were analyzed by the lab in association with the groundwater samples to assess the potential for laboratory contamination. Methylene chloride was detected in each of the three method blank samples. This indicates that methylene chloride detected in the primary

samples may be associated with laboratory contamination. Accordingly, methylene chloride detections in the groundwater samples were B-qualified.

A duplicate soil gas sample (SG-9D, 2 feet) was collected to evaluate the precision of the laboratory. The duplicate sample consisted of a separate aliquot of soil gas collected at the same time, in the same manner, and analyzed for the same parameters as the primary environmental sample (SG-9, 2 feet). The laboratory results for both samples are reasonable comparable (Table 2) and, therefore, laboratory analyses appear to be sufficiently precise.

Matrix spike/matrix spike duplicate (MS/MSD) groundwater samples were collected at well W-6 to confirm the accuracy and precision of laboratory results based on a particular matrix. The MS/MSD results indicate that the compound percent recoveries were within acceptable guidelines with the exception of 1,1,1-trichloroethene and styrene in the MS sample, and styrene in the MSD sample. The 1,1,1-TCA percent recovery was low in the MS but acceptable in the MSD. Therefore, sample results are not likely to be affected. The styrene percent recoveries were high in both the MS and MSD and, therefore, the styrene results may be biased high. However, since styrene was not detected in any of the primary samples, the dataset should not be affected.

Recommended Changes to the Proposed Remediation

Onsite Remediation System

An air sparge/soil vapor extraction (AS/SVE) system is proposed for the remediation of the petroleum-impacted soil and groundwater in the vicinity of well W-2 and to address potential vapor intrusion issues if they are found to be associated with the Site building. The locations of the proposed AS/SVE system wells are described in detail in the RAWP.

Up to two AS wells were proposed to treat the area of VOC-impacted groundwater in the downgradient vicinity of well W-2. Well AS-1 will be installed approximately 20 feet downgradient of well W-2 and will be screened from 40 to 42 feet below grade (18 to 20 feet below the water table), which is below the interval where the highest concentrations of dissolved petroleum compounds are present. As shown on Figure 2, well AS-1 will treat the dissolved petroleum VOCs found in both wells W-2 and W-8. No changes to proposed well AS-1 are recommended.

As discussed in the RA Work Plan, if deeper groundwater impacts were confirmed in the area of well W-2, then well AS-2 would be installed to treat the deeper interval. As discussed above, xylenes was the only petroleum VOC detected in deep well W-2A. The concentration detected was 160 ug/l, which is an order of magnitude lower than the total petroleum VOC concentration detected at a comparable depth in GP-1 in 2001. Based on these data, the remaining petroleum at the W-2A depth interval is minor and is decreasing. No other VOCs were detected at concentrations exceeding their NYSDEC Standards. Therefore, we do not recommend the installation of the deeper AS well AS-2. Instead it is recommended to continue monitoring of well W-2A to confirm that the petroleum VOCs continue to decrease over time.

An SVE system is proposed for the capture of VOC vapors associated with the AS well and to treat the remaining petroleum-impacted soil in the 14 to 24-foot interval in the vicinity of well W-2. In addition, SVE will be used to address subsurface soil gas that may impact the Site building. Two SVE wells are proposed and will be installed in the same borehole, which will be in close proximity to well W-2. Following installation, the SVE wells will be pilot tested with portable equipment and the

pilot test results will be utilized to select an appropriate blower. No changes are anticipated with respect to the RAWP.

Offsite Groundwater Remediation

A plume of chlorinated VOCs in groundwater is present offsite from near the southwest boundary of the Site to the vicinity of Grove Street, as shown on Figure 1. The greatest concentrations of chlorinated VOCs were found in well W-6, located on Chestnut Street southwest of the Site. Low concentrations of chlorinated VOCs are present near the source area and at the leading edge of the plume in the vicinity of Grove Street. In general, chlorinated VOC concentrations are decreasing.

Injection of Hydrogen Releasing Compound (HRC) is proposed in the area and upgradient of well W-6 to remediate the chlorinated VOC plume. HRC will be injected at 15 locations, I-1 through I-15, in the vicinity and upgradient of well W-6, as shown on Figure 2. HRC will be injected from 4 to 14 feet below the water table surface (27 to 37 feet below grade) at each location using a direct-push rig. The December 2005 groundwater monitoring data were used to update the HRC injection calculations previously provided in the RAWP. The revised injection calculations are included in Attachment C and indicate that 930 pounds of HRC will be necessary to treat the chlorinated VOCs in the well W-6 area and upgradient and downgradient vicinity. This is a decrease from the amount estimated in the RAWP (1,530 pounds) and is due to the lower chlorinated VOC concentrations observed during the recent monitoring event. The HRC will be injected during one to two injection events. The actual number of injection events will be based on the number of pounds that can be injected during each event and will be determined in consultation with the injection contractor. The follow-up groundwater monitoring results will be reviewed to evaluate the effectiveness of each treatment and additional treatments will be considered, if indicated.

Please confirm that we may proceed with the additional sampling and remediation system construction, as described above. Should you have any questions, please do not hesitate to call me at (631) 737-6200, ext. 228.

Sincerely,

John S. Bukoski
Hydrogeologist

Stephanie Davis
Senior Hydrogeologist
Department Manager

JSB/SOD:tac
Enclosures

cc: Trevor Wescott, NYSDOH w/enclosure
Fred Eisenbud, Esq. w/enclosure
Dominick Scarfogliero, Win-Holt w/enclosure

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FPM

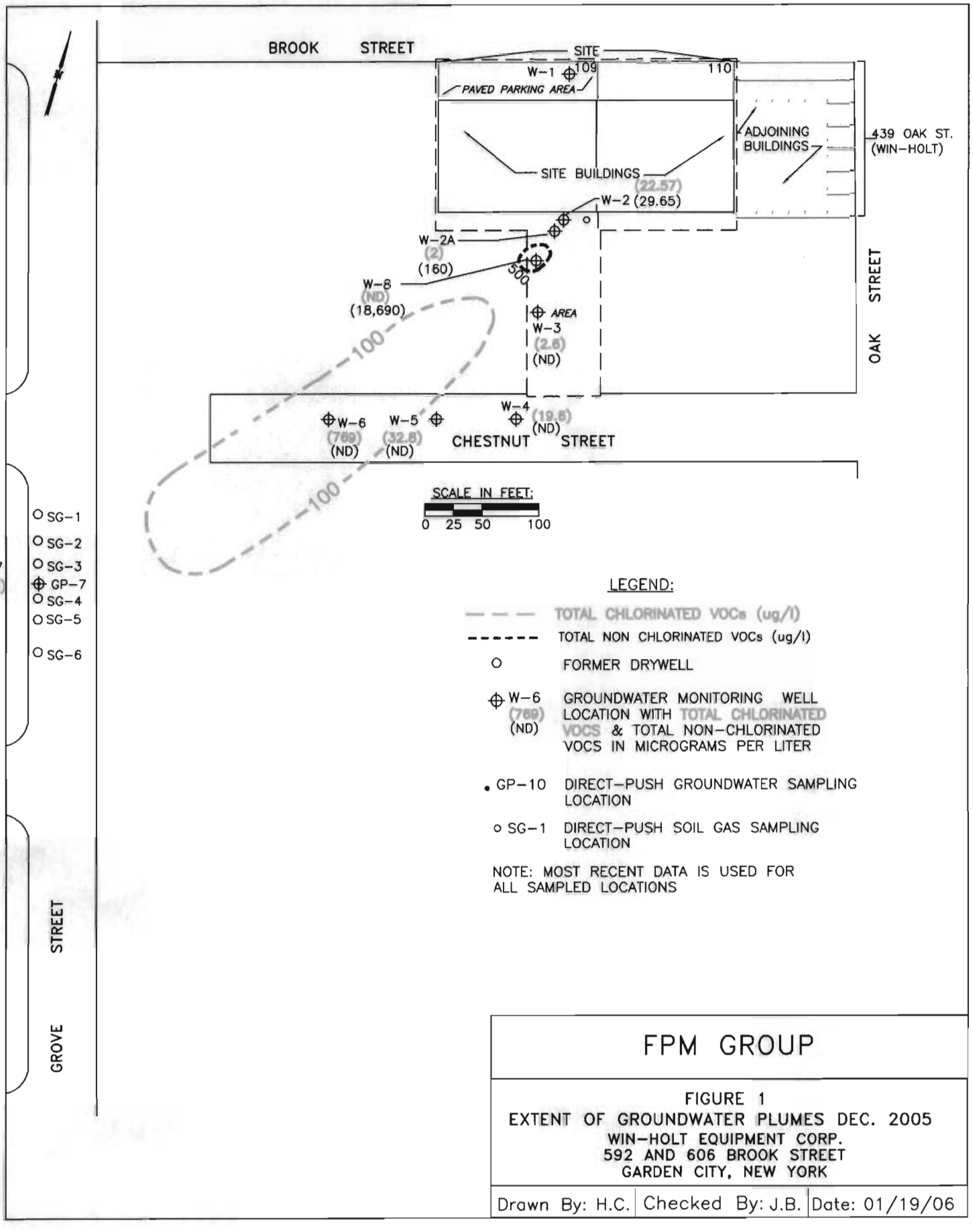

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FIGURE 1
EXTENT OF GROUNDWATER PLUMES DEC. 2005
WIN-HOLT EQUIPMENT CORP.
592 AND 606 BROOK STREET
GARDEN CITY, NEW YORK

Drawn By: H.C.	Checked By: J.B.	Date: 01/19/06

BROOK STREET

SITE

PAVED PARKING AREA

SG-8
CORNER OF BROOK ST. AND BOYLSTON ST.
(APPROX. 750' CROSSGRADIENT OF PLUME)

SG-7
CORNER OF BROOK ST. AND GROVE ST.
(APPROX. 350' CROSSGRADIENT OF PLUME)

SVE RADIUS OF INFLUENCE

592 BROOK STREET BUILDING

606 BROOK STREET BUILDING

439 OAK STREET BUILDING

439 OAK ST. (WIN-HOLT)

MP-2

MP-1

W-2

SVE-1 / SVE-2

APPROXIMATE EXTENT OF NON-CHLORINATED GROUNDWATER PLUME

AS-1

W-2A

SHED

FENCE (TYP.)

W-8

AS RADIUS OF INFLUENCE

APPROXIMATE EXTENT OF CHLORINATED GROUNDWATER PLUME

APPROXIMATE AREA OF IMPACTED SOIL

ASPHALT PARKING LOT

W-3

I-9

I-8

I-10

I-11

I-12

I-13

I-14

I-15

SG-9
CORNER OF WILLOW ST. AND GROVE ST.
(APPROX. 800' CROSSGRADIENT OF PLUME)

I-1 I-2 I-3 I-4 I-5 I-6 I-7

W-6

W-5

W-4

CHESTNUT STREET

GROVE STREET

OAK STREET

LEGEND:

W-6	EXISTING GROUNDWATER MONITORING WELL
W-8	PROPOSED GROUNDWATER MONITORING WELL
SVE-1	PROPOSED VAPOR EXTRACTION WELL
AS-1	PROPOSED AIR SPARGE WELL
MP-1	PROPOSED SOIL VAPOR MONITORING POINT
I-1	PROPOSED HRC INJECTION WELL
SG-7	PROPOSED SOIL GAS MONITORING POINT

SCALE IN FEET:

0 25 50 100

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FIGURE 2
PROPOSED REMEDIAL MEASURES
WIN-HOLT EQUIPMENT CORP.
592 BROOK STREET
GARDEN CITY, NEW YORK

Drawn By:JDS | Checked By:SOD | Date:01/25/06

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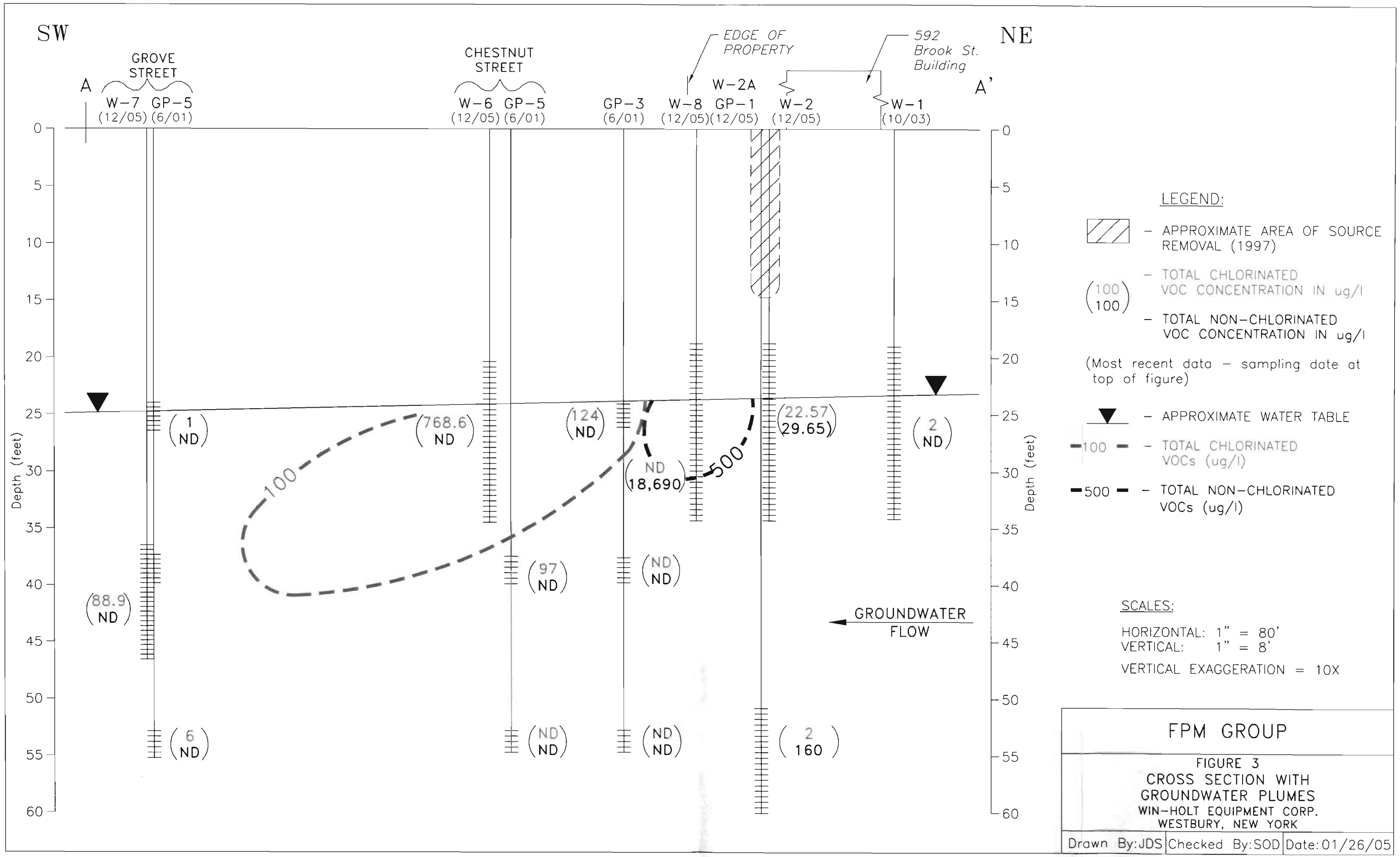

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FIGURE 3
CROSS SECTION WITH GROUNDWATER PLUMES
WIN-HOLT EQUIPMENT CORP.
WESTBURY, NEW YORK

Drawn By: JDS	Checked By: SOD	Date: 01/26/05

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TABLE 1
SUMMARY OF GROUNDWATER SAMPLING RESULTS
WIN-HOLT EQUIPMENT CORPORATION
592 AND 606 BROOK STREET, GARDEN CITY, NEW YORK

Sample Location	W-2						GP-1	W-2A	W-3					W-4					W-5					W-6					W-7			W-8	NYSDEC Class GA Ambient Water Quality Standards
Sample Depth (in feet)	24-34						52-54	50-60	24-34					24-34					24-34					24-34					37-47			24-34	
Sample Date	2/3/99	2/12/01	6/12/01	4/17/03	10/1/03	12/8/05	6/12/01	12/8/05	2/3/99	6/18/01	4/17/03	10/1/03	12/8/05	2/3/99	2/12/01	4/17/03	10/1/03	12/8/05	2/3/99	2/12/01	4/17/03	10/1/03	12/8/05	2/12/01	6/12/01	4/17/03	10/1/03	12/8/05	4/17/03	10/1/03	12/8/05	12/8/05	
Parameter																																
Volatile Organic Compound in micrograms per liter																																
Carbon Tetrachloride	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	ND	**39**	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	5
1,1,1-Trichloroethane	NA	**170**	**110**	ND	ND	ND	ND	ND	NA	3	**11**	4 J	ND	NA	5	**12**	**6**	3.6 J	NA	**140**	**320**	**190**	**31**	**3,400**	**5,400**	**1,700**	**2,900**	**750**	**250**	**20**	**80**	ND	5
1,1-Dichloroethane	NA	**290**	**200**	ND	ND	ND	ND	ND	NA	1	**13**	5 J	ND	NA	ND	1 J	ND	ND	NA	5	5 J	3 J	ND	**76**	**97**	**53**	**70 J**	**10 J**	**6 J**	**10**	3.3 J	ND	5
1,1-Dichloroethylene	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND	NA	ND	4 J	2 J	ND	**52**	**34**	**26 J**	**35 J**	**8.6 JH**	**10**	0.9 J	3.5 J	ND	5
1,2,4-Trimethylbenzene	NA	**94**	**140**	NA	NA	ND	**6**	ND	NA	ND	NA	NA	ND	NA	ND	NA	NA	ND	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	NA	NA	ND	ND	5
1,2-Dichloroethylene (total)	NA	**23(cis)**	**35(cis)**	ND	ND	ND	ND	ND	NA	2(cis)	4 J(cis)	3 J(cis)	ND	NA	ND	3 J(cis)	ND	ND	NA	ND	ND	ND	ND	2(cis)	ND	ND	ND	ND	2 J(cis)	4 J(cis)	ND	ND	5
1,3,5-Trimethylbenzene	NA	**28**	**80**	NA	NA	ND	3	ND	NA	ND	NA	NA	ND	NA	ND	NA	NA	ND	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	NA	NA	ND	ND	5
1,2-Dichloroethane	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND	**1**	ND	ND	ND	ND	ND	ND	ND	ND	0.6
Chloroethane	NA	5	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	NA	ND	ND	ND	ND	NA	ND	ND	NA	ND	ND	ND	5
Ethylbenzene	**9,000**	**5,600**	**4,700**	**210**	**1,100**	ND	**160**	ND	2	ND	ND	ND	ND	**9**	ND	ND	ND	ND	**241**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1,200**	5
Isopropylbenzene	NA	**13**	**17**	NA	NA	ND	1	ND	NA	ND	NA	NA	ND	NA	ND	NA	NA	ND	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	NA	NA	ND	ND	5
Methylene Chloride	NA	NA	NA	**21 JB**	**240 JB**	ND	NA	ND	NA	NA	ND	ND B	ND	NA	NA	ND	ND B	ND	NA	NA	2 JB	ND B	ND	NA	NA	**20 JB**	**54 JB**	**10 JB**	1 JB	ND B	ND	**370 JB**	5
Naphthalene	NA	1	ND	NA	NA	ND	NA	ND	NA	ND	NA	NA	ND	NA	ND	NA	NA	ND	NA	ND	NA	NA	ND	2	ND	NA	NA	ND	NA	NA	ND	ND	10
n-Butylbenzene	NA	1	3	NA	NA	ND	NA	ND	NA	ND	NA	NA	ND	NA	ND	NA	NA	ND	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	NA	NA	ND	ND	5
n-Propylbenzene	NA	**15**	**19**	NA	NA	ND	2	ND	NA	ND	NA	NA	ND	NA	ND	NA	NA	ND	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	NA	NA	ND	ND	5
Xylenes (total)	**47,000**	**31,100**	**38,000**	**7,100**	**47,000**	**29**	**770**	**160**	**12**	ND	**7**	ND	ND	**56**	ND	ND	ND	ND	**777**	ND	ND	5 J	ND	1	**79**	ND	ND	ND	2 J	ND	ND	**17,000**	5
sec-Butylbenzene	NA	1	ND	NA	NA	ND	4	ND	NA	ND	NA	NA	ND	NA	ND	NA	NA	ND	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	NA	NA	ND	ND	5
tert-Butylbenzene	NA	**12**	**23**	NA	NA	ND	NA	ND	NA	ND	NA	NA	ND	NA	ND	NA	NA	ND	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	NA	NA	ND	ND	5
Tetrachloroethylene	NA	**11**	**8**	ND	ND	0.57 J	ND	0.84 J	NA	ND	2 J	1 J	ND	NA	1	2 J	0.9 J	ND	NA	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	ND	1.0 J	ND	5
Toluene	**51,000**	**12,000**	**12,000**	**180**	**440 J**	0.65 J	**120**	ND	3	ND	ND	ND	ND	**17**	ND	ND	ND	ND	**164**	ND	ND	ND	ND	1	**26**	ND	ND	ND	ND	ND	ND	**490 J**	5
Trichloroethylene	NA	**100**	ND	**21 J**	ND	**22**	ND	1.5 J	NA	**28**	**22**	**16**	2.6 J	NA	**52**	**42**	**16**	**16**	NA	**20**	3 J	2 J	1.8 J	**32**	**31**	**11 J**	ND	ND	5 J	**9**	1.1 J	ND	5
Acetone	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	50
Chloroform	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	7
Bromoform	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	50
2-Butanone	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	50
Total Chlorinated VOCs	NA	599	353	21	240	22.57	ND	2.34	NA	6	52	29	2.6	NA	58	60	22.9	19.6	NA	165	332	236	32.8	3,565	5,531	1,790	3,059	768.6	273	43.9	88.9	ND	-
Total *Non-Chlorinated VOCs	107,000	48,865	54,982	7,490	48540	29.65	1,066	160	17	ND	7	ND	ND	82	ND	ND	ND	ND	1,182	ND	ND	5	ND	4	105	ND	ND	ND	2	ND	ND	18,690	-

Notes:

ND = Not detected.
NA = Not analyzed.
J = Result is an estimated value below the reporting limit.
H = Alternate peak selection upon analytical review.

B = Compound was detected in an associated blank sample.
*Includes petroleum VOCs only.
Bold and shaded values indicate exceedance of NYSDEC Class GA Ambient Water Quality Standard.

FPM

TABLE 2
DECEMBER 2005 SOIL GAS ANALYTICAL DATA
WIN-HOLT EQUIPMENT CORPORATION
592 BROOK STREET, GARDEN CITY, NEW YORK

Sample ID	SG-7		SG-8		SG-9		SG-9D	NYSDOH Guidelines*
Sample Location	Brook & Grove		Brook & Boylston		Willow & Grove			
Sample Area	Residential		Residential		Residential			
Sample Depth (in feet)	2	6	2	6	2	6	2	
Sample Date	12/2/05							
Volatile Organic Compound in micrograms per cubic meter								
Ethylbenzene	ND	16.3	ND	18.1	ND	ND	ND	ND-5.4
o-Xylene	ND	18.1	ND	17.7	ND	ND	ND	ND-6.5
p- & m-Xylenes	25.2	35.3	ND	39.8	19.4	15.5	15.9	ND-11
Toluene	99.7	99.7	613	107	805	88.2	610	0.6-20
Benzene	ND	21.4	ND	15.3	ND	11.1	ND	ND-11
1,3 Butadiene	ND	14.4	ND	ND	ND	ND	ND	-
4-Ethyltoluene	24.0	47.4	ND	34.4	19.0	ND	ND	-
n-Hexane	ND	ND	ND	20.8	23.6	ND	ND	ND-10
n-Heptane	ND	ND	666	ND	1,040	49.9	749	-
Methylene Chloride	14.1 B	13.1 B	ND	53.0 B	13.1 B	30.4 B	17.7 B	60**

Notes:

Only detected analytes are reported. See laboratory report for complete data.
ND = Not detected.
B = Analyte was also found in associated batch method blank.
* = NYSDOH guidelines as per February 2005 Guidance for Evaluating Soil Vapor Intrusion in the State of New York. Unless otherwise noted, the guidelines used are background outdoor air levels from a USEPA study of homes and offices.
- = No NYSDOH Guideline established.

TABLE 3
APRIL 2003 SOIL GAS ANALYTICAL DATA
IN MICROGRAMS PER CUBIC METER
WIN-HOLT EQUIPMENT CORPORATION
592 BROOK STREET, GARDEN CITY, NEW YORK

Sample Location	SG-1		SG-2		SG-3		SG-4		SG-5		SG-6		NYSDOH Guidelines*
Sample Depth (in feet)	2 (DL)	6 (DL)	2	6 (DL)	2 (DL)	6	2	6 (DL)	2	6	2 (DL)	6	
Sample Date	4/9/03												
Parameter													
Volatile Organic Compound in micrograms per cubic meter													
1,1,1-Trichloroethane	ND	ND	8.7	17.5	ND	ND	10.9	ND	ND	ND	ND	ND	ND - 3.3
1,2,4-Trimethylbenzene	403.1	373.6	388.3	344.1	589.9	491.6	491.6	481.7	737.4	688.2	491.6	589.9	ND - 7.4
1,3,5-Trimethylbenzene	93.4	88.5	83.6	78.7	127.8	98.3	118.0	113.1	162.2	142.6	122.9	137.6	ND - 2.5
Ethylbenzene	47.8	43.4	56.5	43.4	82.5	65.1	91.2	65.1	117.2	104.2	143.3	130.3	ND - 5.4
o-Xylene	117.2	112.9	139.0	108.6	204.1	156.3	217.1	160.7	277.9	251.9	308.3	290.9	ND - 6.5
p- & m-Xylenes	208.4	204.1	260.5	199.7	382.1	308.3	434.2	304.0	564.5	521.1	651.3	607.9	ND - 11
Toluene	49.0	64.1	71.6	71.6	56.5	237.4	56.5	49.0	60.3	60.3	90.4	75.4	0.6 - 20
Benzene	ND	7.3	12.8	5.4	ND	6.1	9.9	ND	ND	ND	ND	14.7	ND - 11
Styrene	ND	ND	ND	ND	ND	ND	8.5	ND	9.8	ND	ND	ND	ND - 1.4
1,3 Butadiene	4.4	7.5	17.3	7.1	ND	4.2	10.2	ND	ND	4.6	28.8	12.2	-
Carbon Disulfide	4.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-
4-Ethyltoluene	289.6	269.9	309.2	250.3	446.6	373.0	431.9	363.2	589.0	539.9	441.7	490.8	-
n-Hexane	ND	ND	7.8	ND	ND	ND	7.8	ND	ND	ND	14.8	ND	ND - 10
n-Heptane	ND	ND	ND	ND	ND	9.4	ND	ND	ND	ND	ND	ND	-
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	9.9	ND	ND	ND	ND	ND	-
Methylene Chloride	ND	ND	ND	6.3	ND	ND	ND	ND	ND	ND	ND	ND	1.3 - 1.5

Notes:

Only detected analytes are reported. See laboratory report for complete data.
ND = Not detected.
DL = Secondary dilution and analysis.
Bold parameters indicate constituents detected in shallow groundwater beneath soil gas sampling locations.
* = NYSDOH guidelines as per February 2005 Guidance for Evaluating Soil Vapor Intrusion in the State of New York. Unless otherwise noted, the guidelines use are background outdoor air levels from USEPA study of homes and offices.
- = No NYSDOH Air Guideline established.

FPM

ATTACHMENT A

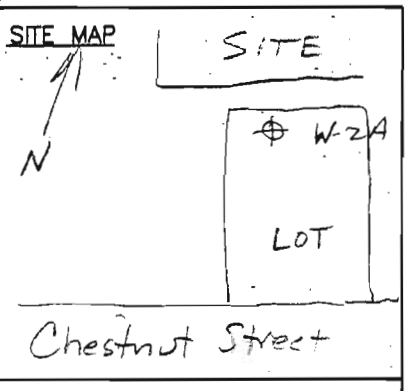
BORING/WELL INSTALLATION LOGS
AND
WELL SAMPLING FORMS

FPM

FPM GROUP
Ronkonkoma, New York

FPM PROJECT # Win-Holt FPM JOB # 562-05-02
SITE ADDRESS 592 Brook St. Garden City
BORING/WELL W-2A TOTAL DEPTH 62.5' DIAMETER 10"
TOC ELEV. ____ WATER LEVEL INITIAL ~23' STATIC ____
SCREEN DIA. 4" LENGTH 10' SLOT SIZE 0.010
CASING DIA. 4" LENGTH 50 TYPE Sch 40
DRILLING COMP. Associated DRILLING METHOD 6 1/4 in auger
DRILLER Brian LOG BY TB DATE DRILLED 11/5/03

SITE MAP



DEPTH (FEET)	SAMPLE	OVA/PID (ppm)	WELL CONSTRUCTION	GRAPHIC LOG	DESCRIPTION/SOIL CLASSIFICATION (INTERVAL, RECOVERY, COLOR, MATRIX TYPE, MOISTURE CONTENT, COMMENTS)
2					0'-15' Fill material mixed with fine to coarse sand and gravel
4					
6				SW	
8		0.0			
10					
12					
14					
16					15'-30' Fine to medium brown sand with small to medium gravel. Solvent odor. Wet at ~25' b.g.
18		3.8			
20					
22 ▽					
24					
26					
28				SP	
30		8.8			
32					30'-60' Light brown fine to medium sand with trace small gravel. Solvent odor approx. 30'-45' b.g. Cleaner sand below 40'.
34					
36		6.1			
38					
40		4.2			
42					Clay from 61' - 62.5' b.g.
44		1.2			
46					
48					
50		0.0			
52					Total depth = 60' b.g.

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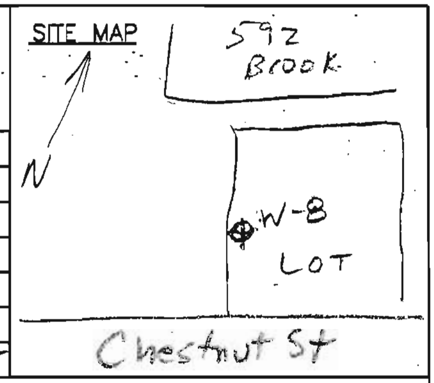
FPM GROUP
Ronkonkoma, New York

FPM PROJECT # WIN-HOLT FPM JOB # 562-05-08
SITE ADDRESS 592 Brook St. Garden City
BORING/WELL W-8 TOTAL DEPTH 34' DIAMETER 10"
TOC ELEV. WATER LEVEL INITIAL ~22 STATIC
SCREEN DIA. 4" LENGTH 15' SLOT SIZE 0.010
CASING DIA. 4" LENGTH 19' TYPE Sch 40
DRILLING COMP. Associated DRILLING METHOD
DRILLER Brian LOG BY JB DATE DRILLED 11/30/05

SITE MAP



DEPTH (FEET)	SAMPLE	OVA/PID (ppm)	WELL CONSTRUCTION	GRAPHIC LOG	DESCRIPTION/SOIL CLASSIFICATION (INTERVAL, RECOVERY, COLOR, MATRIX TYPE, MOISTURE CONTENT, COMMENTS)
2					0'-15' Fine to coarse brown sand with gravel and silt. Dry
4					
6			Sand / Casing / Sand		
8		0.9			15'-35' Fine to medium light brown sand with trace silt and gravel. Wet at ~22 ft. b.g.
10					
12					
14			Bent.		
16					
18			Gravel pack		
20					
22					
24		2.8			
26					
28					
30					
32					
34					
36					
38					
40					
42					
44					
46					
48					
50					
52					

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FPM group
Engineering and Environmental Science

WELL SAMPLING DATA FORM

Client: Win-Hoit

Project No.: 562-05-08

Location: Garden City

Well No.: W-7 Well Diameter: 4"

Date: 12/8/05 Start Time:

Weather: 35°F, Sunny Finish Time:

Sampled By: JB/JKB

Depth to Bottom of Well: 46 Feet.

Depth to Water: 20.86 Feet.

Height of Water Column: 25.14 Feet.

Water Volume in Casing: 16.34 Gallons.

Water Volume to be Purged: 49 Gallons.

Water Volume Actually Purged: 50 Gallons.

Purge Method: Whale Pump

Physical Appearance/Comments:

FIELD MEASUREMENTS:

Time	Volume (gal)	pH	Conductivity (uS)	Temperature (°F)	Turbidity (FTU)
	15	6.42	360	50.5	0.00
	30	6.17	357	53.8	0.00
	45	6.36	364	53.7	1.44

Sampling and Analytical Methods: TCL VOCs

Laboratory Name and Location: STL - CT

WELL SAMPLING DATA FORM

Project: Win-Holt

Location: Garden City

Well No.: W-8 Well Diameter: 4inch

Date: 12/8/05 Start Time: _____

Weather: 35°F, sunny Finish Time: _____

Sampled By: JB/JKB

Depth to Bottom of Well: 34 Feet.

Depth to Water: 19.34 Feet.

Height of Water Column: 14.66 Feet.

Water Volume in Casing: 9.5 Gallons.

Water Volume to be Purged: 28.5 Gallons.

Water Volume Actually Purged: 29 Gallons.

Purge Method: Whale Pump

Physical Appearance/Comments: _____

FIELD MEASUREMENTS:

Time	Gallons	PH	Cond. (uS)	Temp. (°F)	Turbidity (NTU)
	9	6.06	320	64.9	42.69
	18	6.05	311	64.5	24.12
	27	6.07	308	65.0	12.09

Sampling and Analytical Methods: TCL VOCs

Laboratory Name and Location: STL-CT

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FPM

WELL SAMPLING DATA FORM

Project: Win-Holt

Location: Garden City

Well No.: W-2 Well Diameter: 4 inch

Date: 12/8/05 Start Time: _____

Weather: 35°F, sunny Finish Time: _____

Sampled By: JB/JKB

Depth to Bottom of Well: 32 Feet.

Depth to Water: 19.82 Feet.

Height of Water Column: 12.18 Feet.

Water Volume in Casing: 8 Gallons.

Water Volume to be Purged: 24 Gallons.

Water Volume Actually Purged: 24 Gallons.

Purge Method: Whale Pump

Physical Appearance/Comments: _____

FIELD MEASUREMENTS:

Time	Gallons	PH	Cond. (uS)	Temp. (°F)	Turbidity (NTU)
	8	6.30	415	59.9	10.19
	16	6.18	378	63.6	6.78
	24	6.12	339	65.0	6.39

Sampling and Analytical Methods: TCL VOCs

Laboratory Name and Location: STL-CT

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FPM

FPM group
Engineering and Environmental Science

WELL SAMPLING DATA FORM

Client: Win-Holt

Project No.: 562-05-08

Location: Garden City

Well No.: W-2A Well Diameter: 4"

Date: 12/8/05 Start Time: _____

Weather: 35° F, Sunny Finish Time: _____

Sampled By: JB/JKB

Depth to Bottom of Well: 60 Feet.

Depth to Water: 19.42 Feet.

Height of Water Column: 40.58 Feet.

Water Volume in Casing: 26.4 Gallons.

Water Volume to be Purged: 79 Gallons.

Water Volume Actually Purged: 80 Gallons.

Purge Method: Whale Pump

Physical Appearance/Comments: _____

FIELD MEASUREMENTS:

Time	Volume (gal)	pH	Conductivity (uS)	Temperature (°F)	Turbidity (FTU)
	20	6.19	395	64.1	247
	45	6.30	410	65.1	25.28
	70	6.35	417	65.0	0.00

Sampling and Analytical Methods: TCL VOCs

Laboratory Name and Location: STL-CT

FPM group
Engineering and Environmental Science

WELL SAMPLING DATA FORM

Client: Win-Holt

Project No.: 562-05-08

Location: Garden City

Well No.: W-3 Well Diameter: 4"

Date: 12/8/05 Start Time:

Weather: 35°F, sunny Finish Time:

Sampled By: OB/JKB

Depth to Bottom of Well: 33 Feet.

Depth to Water: 20.03 Feet.

Height of Water Column: 12.97 Feet.

Water Volume in Casing: 8.43 Gallons.

Water Volume to be Purged: 25 Gallons.

Water Volume Actually Purged: 25 Gallons.

Purge Method: Whale Pump

Physical Appearance/Comments:

FIELD MEASUREMENTS:

Time	Volume (gal)	pH	Conductivity (uS)	Temperature (°F)	Turbidity (FTU)
	8	6.20	285	60.4	14.58
	16	5.97	287	62.6	0.93
	24	5.95	283	63.2	0.00

Sampling and Analytical Methods: TCL VOCs

Laboratory Name and Location: STL-CT

FPM group
Engineering and Environmental Science

WELL SAMPLING DATA FORM

Client: Win-Holt

Project No.: 562-05-08

Location: Garden City

Well No.: W-4 Well Diameter: 4 in

Date: 12/8/05 Start Time: _____

Weather: 35°F, Sunny Finish Time: _____

Sampled By: JB/JKB

Depth to Bottom of Well: 33 Feet.

Depth to Water: 21.38 Feet.

Height of Water Column: 11.62 Feet.

Water Volume in Casing: 7.5 Gallons.

Water Volume to be Purged: 22.7 Gallons.

Water Volume Actually Purged: 23 Gallons.

Purge Method: Whale Pump

Physical Appearance/Comments: _____

FIELD MEASUREMENTS:

Time	Volume (gal)	pH	Conductivity (uS)	Temperature (°F)	Turbidity (FTU)
	7	6.36	453	56.0	151
	14	6.22	484	59.0	31.99
	21	6.18	512	59.6	0.00

Sampling and Analytical Methods: TCL VOCs

Laboratory Name and Location: STL-CT

FPM group
Engineering and Environmental Science

WELL SAMPLING DATA FORM

Client: Win-Holt

Project No.: 562-05-08

Location: Garden City

Well No.: W-5 Well Diameter:

Date: 12/8/05 Start Time:

Weather: 35°F, sunny Finish Time:

Sampled By: JB / JKB

Depth to Bottom of Well: 33 Feet.

Depth to Water: 21.74 Feet.

Height of Water Column: 11.26 Feet.

Water Volume in Casing: 7.3 Gallons.

Water Volume to be Purged: 22 Gallons.

Water Volume Actually Purged: 22 Gallons.

Purge Method: Whale Pump

Physical Appearance/Comments:

FIELD MEASUREMENTS:

Time	Volume (gal)	pH	Conductivity (uS)	Temperature (°F)	Turbidity (FTU)
	7	6.55	432	55.2	11.02
	14	6.24	500	58.9	13.01
	21	6.23	479	59.4	7.64

Sampling and Analytical Methods: TCL VOCs

Laboratory Name and Location: STL-CT

FPM group
Engineering and Environmental Science

WELL SAMPLING DATA FORM

Client: Win-Holt

Project No.: 562-05-08

Location: Garden City

Well No.: W-6 Well Diameter: 4"

Date: 12/8/05 Start Time:

Weather: 35°F, Sunny Finish Time:

Sampled By: JB/JKB

Depth to Bottom of Well: 35 Feet.

Depth to Water: 22.00 Feet.

Height of Water Column: 13 Feet.

Water Volume in Casing: 8.45 Gallons.

Water Volume to be Purged: 25 Gallons.

Water Volume Actually Purged: 25 Gallons.

Purge Method: Whale Pump

Physical Appearance/Comments:

FIELD MEASUREMENTS:

Time	Volume (gal)	pH	Conductivity (uS)	Temperature (°F)	Turbidity (FTU)
	8	6.05	123	57.4	23.31
	16	5.80	131	58.4	8.22
	24	5.77	140	58.8	24.92

Sampling and Analytical Methods: TCL VOCs

Laboratory Name and Location: STL-CT

ATTACHMENT B

LABORATORY DATA REPORTS

FPM

ANALYTICAL REPORT

JOB NUMBER: 211587

Prepared For:

FANNING, PHILLIPS AND MOLNAR
909 Marconi Avenue
Ronkonkoma, NY 11779

Project: WIN-HOLT

Attention: John Bukoski

Date: 01/03/2006

Johanna L Dubauskas
Signature

1.4.06
Date

Name: Johanna L. Dubauskas

Title: Project Manager

E-Mail: jdubauskas@stl-inc.com

STL Connecticut
128 Long Hill Cross Road
Shelton, CT 06484

This Report Contains (251) Pages

SEVERN TRENT STL

STL Report : 211587
FANNING, PHILLIPS AND MOLNAR

Case Narrative

Sample Receipt – All samples were received in good condition and at the proper temperature.

Volatile Organics – Volatile organics were determined by purge and trap GC/MS using guidance provided in Method 5030B/8260B.

The spike compound percent recoveries were within the laboratory generated guidelines in the independent source quality control samples except for carbon disulfide, tetrachloroethene and chlorobenzene on 58776-2LCS, carbon disulfide in 59123-2LCS and 58841-2LCS.

The spike recovery for the compound, 1,1,1-trichloroethane and styrene, was outside QC limits in W-6MS and styrene in W-6MSD.

The following samples were analyzed at dilutions for high targets:

Sample ID	Dilution
W-6	1:4
W-8	1:100
W-8D	1:100

Sample Calculation:

Sample ID-W-2
Compound- Trichloroethene

$$\frac{(172610 \text{ area})(125\text{ng})(1)}{(376057 \text{ area})(.514 \text{ area/ng})(5\text{ml})} = 22.3 = 22 \text{ ug/L.}$$

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative.

SAMPLE INFORMATION
Date: 01/03/2006

Job Number.: 211587
Customer...: FANNING, PHILLIPS AND MOLNAR
Attn.....: John Bukoski

Project Number.....: 20000743
Customer Project ID....: WIN-HOLT
Project Description....: Win-Holt

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
211587-1	W-2	Groundwater	12/08/2005	11:45	12/09/2005	11:00
211587-2	W-2A	Groundwater	12/08/2005	13:30	12/09/2005	11:00
211587-3	W-3	Groundwater	12/08/2005	14:15	12/09/2005	11:00
211587-4	W-4	Groundwater	12/08/2005	14:45	12/09/2005	11:00
211587-5	W-5	Groundwater	12/08/2005	15:10	12/09/2005	11:00
211587-6	W-6	Groundwater	12/08/2005	15:40	12/09/2005	11:00
211587-7	W-7	Groundwater	12/08/2005	16:30	12/09/2005	11:00
211587-8	W-8	Groundwater	12/08/2005	12:30	12/09/2005	11:00
211587-9	W-8D	Groundwater	12/08/2005	12:35	12/09/2005	11:00
211587-10	TRIP BLANK	Groundwater	12/08/2005	00:00	12/09/2005	11:00
211587-11	W-2F	Groundwater	12/08/2005	12:40	12/09/2005	11:00

STL-CONNECTICUT

Job Number: 211587

LABORATORY TEST RESULTS

Date:12/27/2005

CUSTOMER: FANNING, PHILLIPS AND MOLNAR

PROJECT: WIN-HOLT

ATTN: John Bukoski

Customer Sample ID: W-2
Date Sampled.....: 12/08/2005
Time Sampled.....: 11:45
Sample Matrix.....: Groundwater

Laboratory Sample ID: 211587-1
Date Received.....: 12/09/2005
Time Received.....: 11:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)											
	Chloromethane	ND	U		0.50	5.0	1.00000	ug/L	59122		12/09/05 1713	pam
	Vinyl chloride	ND	U		0.80	5.0	1.00000	ug/L	59122		12/09/05 1713	pam
	Bromomethane	ND	U		1.2	5.0	1.00000	ug/L	59122		12/09/05 1713	pam
	Chloroethane	ND	U		0.80	5.0	1.00000	ug/L	59122		12/09/05 1713	pam
	1,1-Dichloroethene	ND	U		0.70	5.0	1.00000	ug/L	59122		12/09/05 1713	pam
	Carbon disulfide	ND	U		0.90	5.0	1.00000	ug/L	59122		12/09/05 1713	pam
	Acetone	ND	U		1.4	10	1.00000	ug/L	59122		12/09/05 1713	pam
	Methylene chloride	ND	U	B	0.40	5.0	1.00000	ug/L	59122		12/09/05 1713	pam
	trans-1,2-Dichloroethene	ND	U		0.50	5.0	1.00000	ug/L	59122		12/09/05 1713	pam
	1,1-Dichloroethane	ND	U		0.60	5.0	1.00000	ug/L	59122		12/09/05 1713	pam
	Vinyl acetate	ND	U		0.20	5.0	1.00000	ug/L	59122		12/09/05 1713	pam
	cis-1,2-Dichloroethene	ND	U		0.60	5.0	1.00000	ug/L	59122		12/09/05 1713	pam
	2-Butanone (MEK)	ND	U		1.2	10	1.00000	ug/L	59122		12/09/05 1713	pam
	Chloroform	ND	U		0.70	5.0	1.00000	ug/L	59122		12/09/05 1713	pam
	1,1,1-Trichloroethane	ND	U		0.40	5.0	1.00000	ug/L	59122		12/09/05 1713	pam
	Carbon tetrachloride	ND	U		1.0	5.0	1.00000	ug/L	59122		12/09/05 1713	pam
	Benzene	ND	U		0.40	5.0	1.00000	ug/L	59122		12/09/05 1713	pam
	1,2-Dichloroethane	ND	U		0.60	5.0	1.00000	ug/L	59122		12/09/05 1713	pam
	Trichloroethene	22			0.70	5.0	1.00000	ug/L	59122		12/09/05 1713	pam
	1,2-Dichloropropane	ND	U		0.90	5.0	1.00000	ug/L	59122		12/09/05 1713	pam
	Bromodichloromethane	ND	U		0.40	5.0	1.00000	ug/L	59122		12/09/05 1713	pam
	cis-1,3-Dichloropropene	ND	U		0.50	5.0	1.00000	ug/L	59122		12/09/05 1713	pam
	4-Methyl-2-pentanone (MIBK)	ND	U		0.70	10	1.00000	ug/L	59122		12/09/05 1713	pam
	Toluene	0.65	J		0.30	5.0	1.00000	ug/L	59122		12/09/05 1713	pam
	trans-1,3-Dichloropropene	ND	U		0.80	5.0	1.00000	ug/L	59122		12/09/05 1713	pam
	1,1,2-Trichloroethane	ND	U		0.60	5.0	1.00000	ug/L	59122		12/09/05 1713	pam
	Tetrachloroethene	0.57	J		0.50	5.0	1.00000	ug/L	59122		12/09/05 1713	pam
	2-Hexanone	ND	U		0.80	10	1.00000	ug/L	59122		12/09/05 1713	pam

* In Description = Dry Wgt.

STL-CONNECTICUT

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Job Number: 211587

LABORATORY TEST RESULTS

Date:12/27/2005

CUSTOMER: FANNING, PHILLIPS AND MOLNAR

PROJECT: WIN-HOLT

ATTN: John Bukoski

Customer Sample ID: W-2
Date Sampled.....: 12/08/2005
Time Sampled.....: 11:45
Sample Matrix.....: Groundwater

Laboratory Sample ID: 211587-1
Date Received.....: 12/09/2005
Time Received.....: 11:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U		0.50	5.0	1.00000	ug/L	59122		12/09/05 1713	pam
	Chlorobenzene	ND	U		0.40	5.0	1.00000	ug/L	59122		12/09/05 1713	pam
	Ethylbenzene	ND	U		1.0	5.0	1.00000	ug/L	59122		12/09/05 1713	pam
	Styrene	ND	U		0.50	5.0	1.00000	ug/L	59122		12/09/05 1713	pam
	Bromoform	ND	U		0.80	5.0	1.00000	ug/L	59122		12/09/05 1713	pam
	1,1,2,2-Tetrachloroethane	ND	U		0.40	5.0	1.00000	ug/L	59122		12/09/05 1713	pam
	Xylenes (total)	29			1.0	5.0	1.00000	ug/L	59122		12/09/05 1713	pam

* In Description = Dry Wgt.

STL-CONNECTICUT

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LABORATORY TEST RESULTS

Job Number: 211587

Date:12/27/2005

CUSTOMER: FANNING, PHILLIPS AND MOLNAR

PROJECT: WIN-HOLT

ATTN: John Bukoski

Customer Sample ID: W-2A
Date Sampled.....: 12/08/2005
Time Sampled.....: 13:30
Sample Matrix.....: Groundwater

Laboratory Sample ID: 211587-2
Date Received.....: 12/09/2005
Time Received.....: 11:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)											
	Chloromethane	ND	U		0.50	5.0	1.00000	ug/L	59122		12/09/05 1738	pam
	Vinyl chloride	ND	U		0.80	5.0	1.00000	ug/L	59122		12/09/05 1738	pam
	Bromomethane	ND	U		1.2	5.0	1.00000	ug/L	59122		12/09/05 1738	pam
	Chloroethane	ND	U		0.80	5.0	1.00000	ug/L	59122		12/09/05 1738	pam
	1,1-Dichloroethene	ND	U		0.70	5.0	1.00000	ug/L	59122		12/09/05 1738	pam
	Carbon disulfide	ND	U		0.90	5.0	1.00000	ug/L	59122		12/09/05 1738	pam
	Acetone	ND	U		1.4	10	1.00000	ug/L	59122		12/09/05 1738	pam
	Methylene chloride	ND	U	B	0.40	5.0	1.00000	ug/L	59122		12/09/05 1738	pam
	trans-1,2-Dichloroethene	ND	U		0.50	5.0	1.00000	ug/L	59122		12/09/05 1738	pam
	1,1-Dichloroethane	ND	U		0.60	5.0	1.00000	ug/L	59122		12/09/05 1738	pam
	Vinyl acetate	ND	U		0.20	5.0	1.00000	ug/L	59122		12/09/05 1738	pam
	cis-1,2-Dichloroethene	ND	U		0.60	5.0	1.00000	ug/L	59122		12/09/05 1738	pam
	2-Butanone (MEK)	ND	U		1.2	10	1.00000	ug/L	59122		12/09/05 1738	pam
	Chloroform	ND	U		0.70	5.0	1.00000	ug/L	59122		12/09/05 1738	pam
	1,1,1-Trichloroethane	ND	U		0.40	5.0	1.00000	ug/L	59122		12/09/05 1738	pam
	Carbon tetrachloride	ND	U		1.0	5.0	1.00000	ug/L	59122		12/09/05 1738	pam
	Benzene	ND	U		0.40	5.0	1.00000	ug/L	59122		12/09/05 1738	pam
	1,2-Dichloroethane	ND	U		0.60	5.0	1.00000	ug/L	59122		12/09/05 1738	pam
	Trichloroethene	1.5	J		0.70	5.0	1.00000	ug/L	59122		12/09/05 1738	pam
	1,2-Dichloropropane	ND	U		0.90	5.0	1.00000	ug/L	59122		12/09/05 1738	pam
	Bromodichloromethane	ND	U		0.40	5.0	1.00000	ug/L	59122		12/09/05 1738	pam
	cis-1,3-Dichloropropene	ND	U		0.50	5.0	1.00000	ug/L	59122		12/09/05 1738	pam
	4-Methyl-2-pentanone (MIBK)	ND	U		0.70	10	1.00000	ug/L	59122		12/09/05 1738	pam
	Toluene	ND	U		0.30	5.0	1.00000	ug/L	59122		12/09/05 1738	pam
	trans-1,3-Dichloropropene	ND	U		0.80	5.0	1.00000	ug/L	59122		12/09/05 1738	pam
	1,1,2-Trichloroethane	ND	U		0.60	5.0	1.00000	ug/L	59122		12/09/05 1738	pam
	Tetrachloroethene	0.84	J		0.50	5.0	1.00000	ug/L	59122		12/09/05 1738	pam
	2-Hexanone	ND	U		0.80	10	1.00000	ug/L	59122		12/09/05 1738	pam

* In Description = Dry Wgt.

STL-CONNECTICUT

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Job Number: 211587

LABORATORY TEST RESULTS

Date:12/27/2005

CUSTOMER: FANNING, PHILLIPS AND MOLNAR

PROJECT: WIN-HOLT

ATTN: John Bukoski

Customer Sample ID: W-2A
Date Sampled.....: 12/08/2005
Time Sampled.....: 13:30
Sample Matrix.....: Groundwater

Laboratory Sample ID: 211587-2
Date Received.....: 12/09/2005
Time Received.....: 11:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U		0.50	5.0	1.00000	ug/L	59122		12/09/05 1738	pam
	Chlorobenzene	ND	U		0.40	5.0	1.00000	ug/L	59122		12/09/05 1738	pam
	Ethylbenzene	ND	U		1.0	5.0	1.00000	ug/L	59122		12/09/05 1738	pam
	Styrene	ND	U		0.50	5.0	1.00000	ug/L	59122		12/09/05 1738	pam
	Bromoform	ND	U		0.80	5.0	1.00000	ug/L	59122		12/09/05 1738	pam
	1,1,2,2-Tetrachloroethane	ND	U		0.40	5.0	1.00000	ug/L	59122		12/09/05 1738	pam
	Xylenes (total)	160			1.0	5.0	1.00000	ug/L	59122		12/09/05 1738	pam

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* In Description = Dry Wgt.

Job Number: 211587

LABORATORY TEST RESULTS

Date:12/27/2005

CUSTOMER: FANNING, PHILLIPS AND MOLNAR

PROJECT: WIN-HOLT

ATTN: John Bukoski

Customer Sample ID: W-3
Date Sampled.....: 12/08/2005
Time Sampled.....: 14:15
Sample Matrix.....: Groundwater

Laboratory Sample ID: 211587-3
Date Received.....: 12/09/2005
Time Received.....: 11:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)											
	Chloromethane	ND	U		0.50	5.0	1.00000	ug/L	59122		12/09/05 1802	pam
	Vinyl chloride	ND	U		0.80	5.0	1.00000	ug/L	59122		12/09/05 1802	pam
	Bromomethane	ND	U		1.2	5.0	1.00000	ug/L	59122		12/09/05 1802	pam
	Chloroethane	ND	U		0.80	5.0	1.00000	ug/L	59122		12/09/05 1802	pam
	1,1-Dichloroethene	ND	U		0.70	5.0	1.00000	ug/L	59122		12/09/05 1802	pam
	Carbon disulfide	ND	U		0.90	5.0	1.00000	ug/L	59122		12/09/05 1802	pam
	Acetone	ND	U		1.4	10	1.00000	ug/L	59122		12/09/05 1802	pam
	Methylene chloride	ND	U	B	0.40	5.0	1.00000	ug/L	59122		12/09/05 1802	pam
	trans-1,2-Dichloroethene	ND	U		0.50	5.0	1.00000	ug/L	59122		12/09/05 1802	pam
	1,1-Dichloroethane	ND	U		0.60	5.0	1.00000	ug/L	59122		12/09/05 1802	pam
	Vinyl acetate	ND	U		0.20	5.0	1.00000	ug/L	59122		12/09/05 1802	pam
	cis-1,2-Dichloroethene	ND	U		0.60	5.0	1.00000	ug/L	59122		12/09/05 1802	pam
	2-Butanone (MEK)	ND	U		1.2	10	1.00000	ug/L	59122		12/09/05 1802	pam
	Chloroform	ND	U		0.70	5.0	1.00000	ug/L	59122		12/09/05 1802	pam
	1,1,1-Trichloroethane	ND	U		0.40	5.0	1.00000	ug/L	59122		12/09/05 1802	pam
	Carbon tetrachloride	ND	U		1.0	5.0	1.00000	ug/L	59122		12/09/05 1802	pam
	Benzene	ND	U		0.40	5.0	1.00000	ug/L	59122		12/09/05 1802	pam
	1,2-Dichloroethane	ND	U		0.60	5.0	1.00000	ug/L	59122		12/09/05 1802	pam
	Trichloroethene	2.6	J		0.70	5.0	1.00000	ug/L	59122		12/09/05 1802	pam
	1,2-Dichloropropane	ND	U		0.90	5.0	1.00000	ug/L	59122		12/09/05 1802	pam
	Bromodichloromethane	ND	U		0.40	5.0	1.00000	ug/L	59122		12/09/05 1802	pam
	cis-1,3-Dichloropropene	ND	U		0.50	5.0	1.00000	ug/L	59122		12/09/05 1802	pam
	4-Methyl-2-pentanone (MIBK)	ND	U		0.70	10	1.00000	ug/L	59122		12/09/05 1802	pam
	Toluene	ND	U		0.30	5.0	1.00000	ug/L	59122		12/09/05 1802	pam
	trans-1,3-Dichloropropene	ND	U		0.80	5.0	1.00000	ug/L	59122		12/09/05 1802	pam
	1,1,2-Trichloroethane	ND	U		0.60	5.0	1.00000	ug/L	59122		12/09/05 1802	pam
	Tetrachloroethene	ND	U		0.50	5.0	1.00000	ug/L	59122		12/09/05 1802	pam
	2-Hexanone	ND	U		0.80	10	1.00000	ug/L	59122		12/09/05 1802	pam

* In Description = Dry Wgt.

STL-CONNECTICUT

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LABORATORY TEST RESULTS

Job Number: 211587

Date: 12/27/2005

CUSTOMER: FANNING, PHILLIPS AND MOLNAR

PROJECT: WIN-HOLT

ATTN: John Bukoski

Customer Sample ID: W-3
Date Sampled.....: 12/08/2005
Time Sampled.....: 14:15
Sample Matrix.....: Groundwater

Laboratory Sample ID: 211587-3
Date Received.....: 12/09/2005
Time Received.....: 11:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U		0.50	5.0	1.00000	ug/L	59122		12/09/05 1802	pam
	Chlorobenzene	ND	U		0.40	5.0	1.00000	ug/L	59122		12/09/05 1802	pam
	Ethylbenzene	ND	U		1.0	5.0	1.00000	ug/L	59122		12/09/05 1802	pam
	Styrene	ND	U		0.50	5.0	1.00000	ug/L	59122		12/09/05 1802	pam
	Bromoform	ND	U		0.80	5.0	1.00000	ug/L	59122		12/09/05 1802	pam
	1,1,2,2-Tetrachloroethane	ND	U		0.40	5.0	1.00000	ug/L	59122		12/09/05 1802	pam
	Xylenes (total)	ND	U		1.0	5.0	1.00000	ug/L	59122		12/09/05 1802	pam

* In Description = Dry Wgt.

STL-CONNECTICUT

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Job Number: 211587

LABORATORY TEST RESULTS

Date:12/27/2005

CUSTOMER: FANNING, PHILLIPS AND MOLNAR

PROJECT: WIN-HOLT

ATTN: John Bukoski

Customer Sample ID: W-4
Date Sampled.....: 12/08/2005
Time Sampled.....: 14:45
Sample Matrix.....: Groundwater

Laboratory Sample ID: 211587-4
Date Received.....: 12/09/2005
Time Received.....: 11:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)											
	Chloromethane	ND	U		0.50	5.0	1.00000	ug/L	59122		12/09/05 1827	pam
	Vinyl chloride	ND	U		0.80	5.0	1.00000	ug/L	59122		12/09/05 1827	pam
	Bromomethane	ND	U		1.2	5.0	1.00000	ug/L	59122		12/09/05 1827	pam
	Chloroethane	ND	U		0.80	5.0	1.00000	ug/L	59122		12/09/05 1827	pam
	1,1-Dichloroethene	ND	U		0.70	5.0	1.00000	ug/L	59122		12/09/05 1827	pam
	Carbon disulfide	ND	U		0.90	5.0	1.00000	ug/L	59122		12/09/05 1827	pam
	Acetone	ND	U		1.4	10	1.00000	ug/L	59122		12/09/05 1827	pam
	Methylene chloride	ND	U	B	0.40	5.0	1.00000	ug/L	59122		12/09/05 1827	pam
	trans-1,2-Dichloroethene	ND	U		0.50	5.0	1.00000	ug/L	59122		12/09/05 1827	pam
	1,1-Dichloroethane	ND	U		0.60	5.0	1.00000	ug/L	59122		12/09/05 1827	pam
	Vinyl acetate	ND	U		0.20	5.0	1.00000	ug/L	59122		12/09/05 1827	pam
	cis-1,2-Dichloroethene	ND	U		0.60	5.0	1.00000	ug/L	59122		12/09/05 1827	pam
	2-Butanone (MEK)	ND	U		1.2	10	1.00000	ug/L	59122		12/09/05 1827	pam
	Chloroform	ND	U		0.70	5.0	1.00000	ug/L	59122		12/09/05 1827	pam
	1,1,1-Trichloroethane	3.6	J		0.40	5.0	1.00000	ug/L	59122		12/09/05 1827	pam
	Carbon tetrachloride	ND	U		1.0	5.0	1.00000	ug/L	59122		12/09/05 1827	pam
	Benzene	ND	U		0.40	5.0	1.00000	ug/L	59122		12/09/05 1827	pam
	1,2-Dichloroethane	ND	U		0.60	5.0	1.00000	ug/L	59122		12/09/05 1827	pam
	Trichloroethene	16			0.70	5.0	1.00000	ug/L	59122		12/09/05 1827	pam
	1,2-Dichloropropane	ND	U		0.90	5.0	1.00000	ug/L	59122		12/09/05 1827	pam
	Bromodichloromethane	ND	U		0.40	5.0	1.00000	ug/L	59122		12/09/05 1827	pam
	cis-1,3-Dichloropropene	ND	U		0.50	5.0	1.00000	ug/L	59122		12/09/05 1827	pam
	4-Methyl-2-pentanone (MIBK)	ND	U		0.70	10	1.00000	ug/L	59122		12/09/05 1827	pam
	Toluene	ND	U		0.30	5.0	1.00000	ug/L	59122		12/09/05 1827	pam
	trans-1,3-Dichloropropene	ND	U		0.80	5.0	1.00000	ug/L	59122		12/09/05 1827	pam
	1,1,2-Trichloroethane	ND	U		0.60	5.0	1.00000	ug/L	59122		12/09/05 1827	pam
	Tetrachloroethene	ND	U		0.50	5.0	1.00000	ug/L	59122		12/09/05 1827	pam
	2-Hexanone	ND	U		0.80	10	1.00000	ug/L	59122		12/09/05 1827	pam

* In Description = Dry Wgt.

STL-CONNECTICUT

Job Number: 211587

LABORATORY TEST RESULTS

Date: 12/27/2005

CUSTOMER: FANNING, PHILLIPS AND MOLNAR

PROJECT: WIN-HOLT

ATTN: John Bukoski

Customer Sample ID: W-4
Date Sampled.....: 12/08/2005
Time Sampled.....: 14:45
Sample Matrix.....: Groundwater

Laboratory Sample ID: 211587-4
Date Received.....: 12/09/2005
Time Received.....: 11:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U		0.50	5.0	1.00000	ug/L	59122		12/09/05 1827	pam
	Chlorobenzene	ND	U		0.40	5.0	1.00000	ug/L	59122		12/09/05 1827	pam
	Ethylbenzene	ND	U		1.0	5.0	1.00000	ug/L	59122		12/09/05 1827	pam
	Styrene	ND	U		0.50	5.0	1.00000	ug/L	59122		12/09/05 1827	pam
	Bromoform	ND	U		0.80	5.0	1.00000	ug/L	59122		12/09/05 1827	pam
	1,1,2,2-Tetrachloroethane	ND	U		0.40	5.0	1.00000	ug/L	59122		12/09/05 1827	pam
	Xylenes (total)	ND	U		1.0	5.0	1.00000	ug/L	59122		12/09/05 1827	pam

* In Description = Dry Wgt.

STL-CONNECTICUT

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Job Number: 211587

LABORATORY TEST RESULTS

Date:12/27/2005

CUSTOMER: FANNING, PHILLIPS AND MOLNAR

PROJECT: WIN-HOLT

ATTN: John Bukoski

Customer Sample ID: W-5
Date Sampled.....: 12/08/2005
Time Sampled.....: 15:10
Sample Matrix.....: Groundwater

Laboratory Sample ID: 211587-5
Date Received.....: 12/09/2005
Time Received.....: 11:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)											
	Chloromethane	ND	U		0.50	5.0	1.00000	ug/L	59122		12/09/05 1852	pam
	Vinyl chloride	ND	U		0.80	5.0	1.00000	ug/L	59122		12/09/05 1852	pam
	Bromomethane	ND	U		1.2	5.0	1.00000	ug/L	59122		12/09/05 1852	pam
	Chloroethane	ND	U		0.80	5.0	1.00000	ug/L	59122		12/09/05 1852	pam
	1,1-Dichloroethene	ND	U		0.70	5.0	1.00000	ug/L	59122		12/09/05 1852	pam
	Carbon disulfide	ND	U		0.90	5.0	1.00000	ug/L	59122		12/09/05 1852	pam
	Acetone	ND	U		1.4	10	1.00000	ug/L	59122		12/09/05 1852	pam
	Methylene chloride	ND	U	B	0.40	5.0	1.00000	ug/L	59122		12/09/05 1852	pam
	trans-1,2-Dichloroethene	ND	U		0.50	5.0	1.00000	ug/L	59122		12/09/05 1852	pam
	1,1-Dichloroethane	ND	U		0.60	5.0	1.00000	ug/L	59122		12/09/05 1852	pam
	Vinyl acetate	ND	U		0.20	5.0	1.00000	ug/L	59122		12/09/05 1852	pam
	cis-1,2-Dichloroethene	ND	U		0.60	5.0	1.00000	ug/L	59122		12/09/05 1852	pam
	2-Butanone (MEK)	ND	U		1.2	10	1.00000	ug/L	59122		12/09/05 1852	pam
	Chloroform	ND	U		0.70	5.0	1.00000	ug/L	59122		12/09/05 1852	pam
	1,1,1-Trichloroethane	31			0.40	5.0	1.00000	ug/L	59122		12/09/05 1852	pam
	Carbon tetrachloride	ND	U		1.0	5.0	1.00000	ug/L	59122		12/09/05 1852	pam
	Benzene	ND	U		0.40	5.0	1.00000	ug/L	59122		12/09/05 1852	pam
	1,2-Dichloroethane	ND	U		0.60	5.0	1.00000	ug/L	59122		12/09/05 1852	pam
	Trichloroethene	1.8		J	0.70	5.0	1.00000	ug/L	59122		12/09/05 1852	pam
	1,2-Dichloropropane	ND	U		0.90	5.0	1.00000	ug/L	59122		12/09/05 1852	pam
	Bromodichloromethane	ND	U		0.40	5.0	1.00000	ug/L	59122		12/09/05 1852	pam
	cis-1,3-Dichloropropene	ND	U		0.50	5.0	1.00000	ug/L	59122		12/09/05 1852	pam
	4-Methyl-2-pentanone (MIBK)	ND	U		0.70	10	1.00000	ug/L	59122		12/09/05 1852	pam
	Toluene	ND	U		0.30	5.0	1.00000	ug/L	59122		12/09/05 1852	pam
	trans-1,3-Dichloropropene	ND	U		0.80	5.0	1.00000	ug/L	59122		12/09/05 1852	pam
	1,1,2-Trichloroethane	ND	U		0.60	5.0	1.00000	ug/L	59122		12/09/05 1852	pam
	Tetrachloroethene	ND	U		0.50	5.0	1.00000	ug/L	59122		12/09/05 1852	pam
	2-Hexanone	ND	U		0.80	10	1.00000	ug/L	59122		12/09/05 1852	pam

* In Description = Dry Wgt.

STL-CONNECTICUT

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LABORATORY TEST RESULTS

Job Number: 211587

Date:12/27/2005

CUSTOMER: FANNING, PHILLIPS AND MOLNAR

PROJECT: WIN-HOLT

ATTN: John Bukoski

Customer Sample ID: W-5
Date Sampled.....: 12/08/2005
Time Sampled.....: 15:10
Sample Matrix.....: Groundwater

Laboratory Sample ID: 211587-5
Date Received.....: 12/09/2005
Time Received.....: 11:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U		0.50	5.0	1.00000	ug/L	59122		12/09/05 1852	pam
	Chlorobenzene	ND	U		0.40	5.0	1.00000	ug/L	59122		12/09/05 1852	pam
	Ethylbenzene	ND	U		1.0	5.0	1.00000	ug/L	59122		12/09/05 1852	pam
	Styrene	ND	U		0.50	5.0	1.00000	ug/L	59122		12/09/05 1852	pam
	Bromoform	ND	U		0.80	5.0	1.00000	ug/L	59122		12/09/05 1852	pam
	1,1,2,2-Tetrachloroethane	ND	U		0.40	5.0	1.00000	ug/L	59122		12/09/05 1852	pam
	Xylenes (total)	ND	U		1.0	5.0	1.00000	ug/L	59122		12/09/05 1852	pam

* In Description = Dry Wgt.

STL-CONNECTICUT

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Job Number: 211587

LABORATORY TEST RESULTS

Date: 12/27/2005

CUSTOMER: FANNING, PHILLIPS AND MOLNAR

PROJECT: WIN-HOLT

ATTN: John Bukoski

Customer Sample ID: W-6
Date Sampled.....: 12/08/2005
Time Sampled.....: 15:40
Sample Matrix.....: Groundwater

Laboratory Sample ID: 211587-6
Date Received.....: 12/09/2005
Time Received.....: 11:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)											
	Chloromethane	ND	U		2.0	20	4.00000	ug/L	59123		12/12/05 1632	pam
	Vinyl chloride	ND	U		3.2	20	4.00000	ug/L	59123		12/12/05 1632	pam
	Bromomethane	ND	U		4.8	20	4.00000	ug/L	59123		12/12/05 1632	pam
	Chloroethane	ND	U		3.2	20	4.00000	ug/L	59123		12/12/05 1632	pam
	1,1-Dichloroethene	8.6	J	H	2.8	20	4.00000	ug/L	59123		12/12/05 1632	pam
	Carbon disulfide	ND	U		3.6	20	4.00000	ug/L	59123		12/12/05 1632	pam
	Acetone	ND	U		5.6	40	4.00000	ug/L	59123		12/12/05 1632	pam
	Methylene chloride	10	J	B	1.6	20	4.00000	ug/L	59123		12/12/05 1632	pam
	trans-1,2-Dichloroethene	ND	U		2.0	20	4.00000	ug/L	59123		12/12/05 1632	pam
	1,1-Dichloroethane	10	J		2.4	20	4.00000	ug/L	59123		12/12/05 1632	pam
	Vinyl acetate	ND	U		0.80	20	4.00000	ug/L	59123		12/12/05 1632	pam
	cis-1,2-Dichloroethene	ND	U		2.4	20	4.00000	ug/L	59123		12/12/05 1632	pam
	2-Butanone (MEK)	ND	U		4.8	40	4.00000	ug/L	59123		12/12/05 1632	pam
	Chloroform	ND	U		2.8	20	4.00000	ug/L	59123		12/12/05 1632	pam
	1,1,1-Trichloroethane	750			1.6	20	4.00000	ug/L	59123		12/12/05 1632	pam
	Carbon tetrachloride	ND	U		4.0	20	4.00000	ug/L	59123		12/12/05 1632	pam
	Benzene	ND	U		1.6	20	4.00000	ug/L	59123		12/12/05 1632	pam
	1,2-Dichloroethane	ND	U		2.4	20	4.00000	ug/L	59123		12/12/05 1632	pam
	Trichloroethene	ND	U		2.8	20	4.00000	ug/L	59123		12/12/05 1632	pam
	1,2-Dichloropropane	ND	U		3.6	20	4.00000	ug/L	59123		12/12/05 1632	pam
	Bromodichloromethane	ND	U		1.6	20	4.00000	ug/L	59123		12/12/05 1632	pam
	cis-1,3-Dichloropropene	ND	U		2.0	20	4.00000	ug/L	59123		12/12/05 1632	pam
	4-Methyl-2-pentanone (MIBK)	ND	U		2.8	40	4.00000	ug/L	59123		12/12/05 1632	pam
	Toluene	ND	U		1.2	20	4.00000	ug/L	59123		12/12/05 1632	pam
	trans-1,3-Dichloropropene	ND	U		3.2	20	4.00000	ug/L	59123		12/12/05 1632	pam
	1,1,2-Trichloroethane	ND	U		2.4	20	4.00000	ug/L	59123		12/12/05 1632	pam
	Tetrachloroethene	ND	U		2.0	20	4.00000	ug/L	59123		12/12/05 1632	pam
	2-Hexanone	ND	U		3.2	40	4.00000	ug/L	59123		12/12/05 1632	pam

* In Description = Dry Wgt.

STL-CONNECTICUT

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Job Number: 211587

LABORATORY TEST RESULTS

Date:12/27/2005

CUSTOMER: FANNING, PHILLIPS AND MOLNAR

PROJECT: WIN-HOLT

ATTN: John Bukoski

Customer Sample ID: W-6
Date Sampled.....: 12/08/2005
Time Sampled.....: 15:40
Sample Matrix.....: Groundwater

Laboratory Sample ID: 211587-6
Date Received.....: 12/09/2005
Time Received.....: 11:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U		2.0	20	4.00000	ug/L	59123		12/12/05 1632	pam
	Chlorobenzene	ND	U		1.6	20	4.00000	ug/L	59123		12/12/05 1632	pam
	Ethylbenzene	ND	U		4.0	20	4.00000	ug/L	59123		12/12/05 1632	pam
	Styrene	ND	U		2.0	20	4.00000	ug/L	59123		12/12/05 1632	pam
	Bromoform	ND	U		3.2	20	4.00000	ug/L	59123		12/12/05 1632	pam
	1,1,2,2-Tetrachloroethane	ND	U		1.6	20	4.00000	ug/L	59123		12/12/05 1632	pam
	Xylenes (total)	ND	U		4.0	20	4.00000	ug/L	59123		12/12/05 1632	pam

* In Description = Dry Wgt.

STL-CONNECTICUT

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STL-CONNECTICUT

Job Number: 211587

LABORATORY TEST RESULTS

Date:12/27/2005

CUSTOMER: FANNING, PHILLIPS AND MOLNAR

PROJECT: WIN-HOLT

ATTN: John Bukoski

Customer Sample ID: W-7
Date Sampled.....: 12/08/2005
Time Sampled.....: 16:30
Sample Matrix.....: Groundwater

Laboratory Sample ID: 211587-7
Date Received.....: 12/09/2005
Time Received.....: 11:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)											
	Chloromethane	ND	U		0.50	5.0	1.00000	ug/L	59122		12/09/05 1942	pam
	Vinyl chloride	ND	U		0.80	5.0	1.00000	ug/L	59122		12/09/05 1942	pam
	Bromomethane	ND	U		1.2	5.0	1.00000	ug/L	59122		12/09/05 1942	pam
	Chloroethane	ND	U		0.80	5.0	1.00000	ug/L	59122		12/09/05 1942	pam
	1,1-Dichloroethene	3.5	J		0.70	5.0	1.00000	ug/L	59122		12/09/05 1942	pam
	Carbon disulfide	ND	U		0.90	5.0	1.00000	ug/L	59122		12/09/05 1942	pam
	Acetone	ND	U		1.4	10	1.00000	ug/L	59122		12/09/05 1942	pam
	Methylene chloride	ND	U	B	0.40	5.0	1.00000	ug/L	59122		12/09/05 1942	pam
	trans-1,2-Dichloroethene	ND	U		0.50	5.0	1.00000	ug/L	59122		12/09/05 1942	pam
	1,1-Dichloroethane	3.3	J		0.60	5.0	1.00000	ug/L	59122		12/09/05 1942	pam
	Vinyl acetate	ND	U		0.20	5.0	1.00000	ug/L	59122		12/09/05 1942	pam
	cis-1,2-Dichloroethene	ND	U		0.60	5.0	1.00000	ug/L	59122		12/09/05 1942	pam
	2-Butanone (MEK)	ND	U		1.2	10	1.00000	ug/L	59122		12/09/05 1942	pam
	Chloroform	ND	U		0.70	5.0	1.00000	ug/L	59122		12/09/05 1942	pam
	1,1,1-Trichloroethane	80			0.40	5.0	1.00000	ug/L	59122		12/09/05 1942	pam
	Carbon tetrachloride	ND	U		1.0	5.0	1.00000	ug/L	59122		12/09/05 1942	pam
	Benzene	ND	U		0.40	5.0	1.00000	ug/L	59122		12/09/05 1942	pam
	1,2-Dichloroethane	ND	U		0.60	5.0	1.00000	ug/L	59122		12/09/05 1942	pam
	Trichloroethene	1.1	J		0.70	5.0	1.00000	ug/L	59122		12/09/05 1942	pam
	1,2-Dichloropropane	ND	U		0.90	5.0	1.00000	ug/L	59122		12/09/05 1942	pam
	Bromodichloromethane	ND	U		0.40	5.0	1.00000	ug/L	59122		12/09/05 1942	pam
	cis-1,3-Dichloropropene	ND	U		0.50	5.0	1.00000	ug/L	59122		12/09/05 1942	pam
	4-Methyl-2-pentanone (MIBK)	ND	U		0.70	10	1.00000	ug/L	59122		12/09/05 1942	pam
	Toluene	ND	U		0.30	5.0	1.00000	ug/L	59122		12/09/05 1942	pam
	trans-1,3-Dichloropropene	ND	U		0.80	5.0	1.00000	ug/L	59122		12/09/05 1942	pam
	1,1,2-Trichloroethane	ND	U		0.60	5.0	1.00000	ug/L	59122		12/09/05 1942	pam
	Tetrachloroethene	1.0	J		0.50	5.0	1.00000	ug/L	59122		12/09/05 1942	pam
	2-Hexanone	ND	U		0.80	10	1.00000	ug/L	59122		12/09/05 1942	pam

* In Description = Dry Wgt.

STL-CONNECTICUT

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STL-CONNECTICUT

Job Number: 211587

LABORATORY TEST RESULTS

Date:12/27/2005

CUSTOMER: FANNING, PHILLIPS AND MOLNAR

PROJECT: WIN-HOLT

ATTN: John Bukoski

Customer Sample ID: W-7
Date Sampled.....: 12/08/2005
Time Sampled.....: 16:30
Sample Matrix.....: Groundwater

Laboratory Sample ID: 211587-7
Date Received.....: 12/09/2005
Time Received.....: 11:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U		0.50	5.0	1.00000	ug/L	59122		12/09/05 1942	pam
	Chlorobenzene	ND	U		0.40	5.0	1.00000	ug/L	59122		12/09/05 1942	pam
	Ethylbenzene	ND	U		1.0	5.0	1.00000	ug/L	59122		12/09/05 1942	pam
	Styrene	ND	U		0.50	5.0	1.00000	ug/L	59122		12/09/05 1942	pam
	Bromoform	ND	U		0.80	5.0	1.00000	ug/L	59122		12/09/05 1942	pam
	1,1,2,2-Tetrachloroethane	ND	U		0.40	5.0	1.00000	ug/L	59122		12/09/05 1942	pam
	Xylenes (total)	ND	U		1.0	5.0	1.00000	ug/L	59122		12/09/05 1942	pam

* In Description = Dry Wgt.

STL-CONNECTICUT

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STL-CONNECTICUT

Job Number: 211587

LABORATORY TEST RESULTS

Date:12/27/2005

CUSTOMER: FANNING, PHILLIPS AND MOLNAR

PROJECT: WIN-HOLT

ATTN: John Bukoski

Customer Sample ID: W-8
Date Sampled.....: 12/08/2005
Time Sampled.....: 12:30
Sample Matrix.....: Groundwater

Laboratory Sample ID: 211587-8
Date Received.....: 12/09/2005
Time Received.....: 11:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)											
	Chloromethane	ND	U		50	500	100.0000	ug/L	59124		12/13/05 1137	pam
	Vinyl chloride	ND	U		80	500	100.0000	ug/L	59124		12/13/05 1137	pam
	Bromomethane	ND	U		120	500	100.0000	ug/L	59124		12/13/05 1137	pam
	Chloroethane	ND	U		80	500	100.0000	ug/L	59124		12/13/05 1137	pam
	1,1-Dichloroethene	ND	U		70	500	100.0000	ug/L	59124		12/13/05 1137	pam
	Carbon disulfide	ND	U		90	500	100.0000	ug/L	59124		12/13/05 1137	pam
	Acetone	ND	U		140	1000	100.0000	ug/L	59124		12/13/05 1137	pam
	Methylene chloride	370	J	B	40	500	100.0000	ug/L	59124		12/13/05 1137	pam
	trans-1,2-Dichloroethene	ND	U		50	500	100.0000	ug/L	59124		12/13/05 1137	pam
	1,1-Dichloroethane	ND	U		60	500	100.0000	ug/L	59124		12/13/05 1137	pam
	Vinyl acetate	ND	U		20	500	100.0000	ug/L	59124		12/13/05 1137	pam
	cis-1,2-Dichloroethene	ND	U		60	500	100.0000	ug/L	59124		12/13/05 1137	pam
	2-Butanone (MEK)	ND	U		120	1000	100.0000	ug/L	59124		12/13/05 1137	pam
	Chloroform	ND	U		70	500	100.0000	ug/L	59124		12/13/05 1137	pam
	1,1,1-Trichloroethane	ND	U		40	500	100.0000	ug/L	59124		12/13/05 1137	pam
	Carbon tetrachloride	ND	U		100	500	100.0000	ug/L	59124		12/13/05 1137	pam
	Benzene	ND	U		40	500	100.0000	ug/L	59124		12/13/05 1137	pam
	1,2-Dichloroethane	ND	U		60	500	100.0000	ug/L	59124		12/13/05 1137	pam
	Trichloroethene	ND	U		70	500	100.0000	ug/L	59124		12/13/05 1137	pam
	1,2-Dichloropropane	ND	U		90	500	100.0000	ug/L	59124		12/13/05 1137	pam
	Bromodichloromethane	ND	U		40	500	100.0000	ug/L	59124		12/13/05 1137	pam
	cis-1,3-Dichloropropene	ND	U		50	500	100.0000	ug/L	59124		12/13/05 1137	pam
	4-Methyl-2-pentanone (MIBK)	ND	U		70	1000	100.0000	ug/L	59124		12/13/05 1137	pam
	Toluene	490	J		30	500	100.0000	ug/L	59124		12/13/05 1137	pam
	trans-1,3-Dichloropropene	ND	U		80	500	100.0000	ug/L	59124		12/13/05 1137	pam
	1,1,2-Trichloroethane	ND	U		60	500	100.0000	ug/L	59124		12/13/05 1137	pam
	Tetrachloroethene	ND	U		50	500	100.0000	ug/L	59124		12/13/05 1137	pam
	2-Hexanone	ND	U		80	1000	100.0000	ug/L	59124		12/13/05 1137	pam

* In Description = Dry Wgt.

STL-CONNECTICUT

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STL-CONNECTICUT

STL-CONNECTICUT

Job Number: 211587

LABORATORY TEST RESULTS

Date:12/27/2005

CUSTOMER: FANNING, PHILLIPS AND MOLNAR

PROJECT: WIN-HOLT

ATTN: John Bukoski

Customer Sample ID: W-8
Date Sampled.....: 12/08/2005
Time Sampled.....: 12:30
Sample Matrix.....: Groundwater

Laboratory Sample ID: 211587-8
Date Received.....: 12/09/2005
Time Received.....: 11:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U		50	500	100.0000	ug/L	59124		12/13/05 1137	pam
	Chlorobenzene	ND	U		40	500	100.0000	ug/L	59124		12/13/05 1137	pam
	Ethylbenzene	1200			100	500	100.0000	ug/L	59124		12/13/05 1137	pam
	Styrene	ND	U		50	500	100.0000	ug/L	59124		12/13/05 1137	pam
	Bromoform	ND	U		80	500	100.0000	ug/L	59124		12/13/05 1137	pam
	1,1,2,2-Tetrachloroethane	ND	U		40	500	100.0000	ug/L	59124		12/13/05 1137	pam
	Xylenes (total)	17000			100	500	100.0000	ug/L	59124		12/13/05 1137	pam

* In Description = Dry Wgt.

STL-CONNECTICUT

STL-CONNECTICUT

Job Number: 211587

LABORATORY TEST RESULTS

Date:12/27/2005

CUSTOMER: FANNING, PHILLIPS AND MOLNAR

PROJECT: WIN-HOLT

ATTN: John Bukoski

Customer Sample ID: W-8D
Date Sampled.....: 12/08/2005
Time Sampled.....: 12:35
Sample Matrix.....: Groundwater

Laboratory Sample ID: 211587-9
Date Received.....: 12/09/2005
Time Received.....: 11:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)											
	Chloromethane	ND	U		50	500	100.0000	ug/L	59124		12/13/05 1426	pam
	Vinyl chloride	ND	U		80	500	100.0000	ug/L	59124		12/13/05 1426	pam
	Bromomethane	ND	U		120	500	100.0000	ug/L	59124		12/13/05 1426	pam
	Chloroethane	ND	U		80	500	100.0000	ug/L	59124		12/13/05 1426	pam
	1,1-Dichloroethene	ND	U		70	500	100.0000	ug/L	59124		12/13/05 1426	pam
	Carbon disulfide	ND	U		90	500	100.0000	ug/L	59124		12/13/05 1426	pam
	Acetone	ND	U		140	1000	100.0000	ug/L	59124		12/13/05 1426	pam
	Methylene chloride	390	J	B	40	500	100.0000	ug/L	59124		12/13/05 1426	pam
	trans-1,2-Dichloroethene	ND	U		50	500	100.0000	ug/L	59124		12/13/05 1426	pam
	1,1-Dichloroethane	ND	U		60	500	100.0000	ug/L	59124		12/13/05 1426	pam
	Vinyl acetate	ND	U		20	500	100.0000	ug/L	59124		12/13/05 1426	pam
	cis-1,2-Dichloroethene	ND	U		60	500	100.0000	ug/L	59124		12/13/05 1426	pam
	2-Butanone (MEK)	ND	U		120	1000	100.0000	ug/L	59124		12/13/05 1426	pam
	Chloroform	ND	U		70	500	100.0000	ug/L	59124		12/13/05 1426	pam
	1,1,1-Trichloroethane	ND	U		40	500	100.0000	ug/L	59124		12/13/05 1426	pam
	Carbon tetrachloride	ND	U		100	500	100.0000	ug/L	59124		12/13/05 1426	pam
	Benzene	ND	U		40	500	100.0000	ug/L	59124		12/13/05 1426	pam
	1,2-Dichloroethane	ND	U		60	500	100.0000	ug/L	59124		12/13/05 1426	pam
	Trichloroethene	ND	U		70	500	100.0000	ug/L	59124		12/13/05 1426	pam
	1,2-Dichloropropane	ND	U		90	500	100.0000	ug/L	59124		12/13/05 1426	pam
	Bromodichloromethane	ND	U		40	500	100.0000	ug/L	59124		12/13/05 1426	pam
	cis-1,3-Dichloropropene	ND	U		50	500	100.0000	ug/L	59124		12/13/05 1426	pam
	4-Methyl-2-pentanone (MIBK)	ND	U		70	1000	100.0000	ug/L	59124		12/13/05 1426	pam
	Toluene	490	J		30	500	100.0000	ug/L	59124		12/13/05 1426	pam
	trans-1,3-Dichloropropene	ND	U		80	500	100.0000	ug/L	59124		12/13/05 1426	pam
	1,1,2-Trichloroethane	ND	U		60	500	100.0000	ug/L	59124		12/13/05 1426	pam
	Tetrachloroethene	ND	U		50	500	100.0000	ug/L	59124		12/13/05 1426	pam
	2-Hexanone	ND	U		80	1000	100.0000	ug/L	59124		12/13/05 1426	pam

* In Description = Dry Wgt.

STL-CONNECTICUT

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LABORATORY TEST RESULTS

Job Number: 211587

Date: 12/27/2005

CUSTOMER: FANNING, PHILLIPS AND MOLNAR

PROJECT: WIN-HOLT

ATTN: John Bukoski

Customer Sample ID: W-8D
Date Sampled.....: 12/08/2005
Time Sampled.....: 12:35
Sample Matrix.....: Groundwater

Laboratory Sample ID: 211587-9
Date Received.....: 12/09/2005
Time Received.....: 11:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U		50	500	100.0000	ug/L	59124		12/13/05 1426	pam
	Chlorobenzene	ND	U		40	500	100.0000	ug/L	59124		12/13/05 1426	pam
	Ethylbenzene	1300			100	500	100.0000	ug/L	59124		12/13/05 1426	pam
	Styrene	ND	U		50	500	100.0000	ug/L	59124		12/13/05 1426	pam
	Bromoform	ND	U		80	500	100.0000	ug/L	59124		12/13/05 1426	pam
	1,1,2,2-Tetrachloroethane	ND	U		40	500	100.0000	ug/L	59124		12/13/05 1426	pam
	Xylenes (total)	18000			100	500	100.0000	ug/L	59124		12/13/05 1426	pam

* In Description = Dry Wgt.

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Job Number: 211587

LABORATORY TEST RESULTS

Date: 12/27/2005

CUSTOMER: FANNING, PHILLIPS AND MOLNAR

PROJECT: WIN-HOLT

ATTN: John Bukoski

Customer Sample ID: TRIP BLANK
Date Sampled.....: 12/08/2005
Time Sampled.....: 00:00
Sample Matrix.....: Groundwater

Laboratory Sample ID: 211587-10
Date Received.....: 12/09/2005
Time Received.....: 11:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)											
	Chloromethane	ND	U		0.50	5.0	1.00000	ug/L	59123		12/12/05 1607	pam
	Vinyl chloride	ND	U		0.80	5.0	1.00000	ug/L	59123		12/12/05 1607	pam
	Bromomethane	ND	U		1.2	5.0	1.00000	ug/L	59123		12/12/05 1607	pam
	Chloroethane	ND	U		0.80	5.0	1.00000	ug/L	59123		12/12/05 1607	pam
	1,1-Dichloroethene	ND	U		0.70	5.0	1.00000	ug/L	59123		12/12/05 1607	pam
	Carbon disulfide	ND	U		0.90	5.0	1.00000	ug/L	59123		12/12/05 1607	pam
	Acetone	ND	U		1.4	10	1.00000	ug/L	59123		12/12/05 1607	pam
	Methylene chloride	0.68	J	B	0.40	5.0	1.00000	ug/L	59123		12/12/05 1607	pam
	trans-1,2-Dichloroethene	ND	U		0.50	5.0	1.00000	ug/L	59123		12/12/05 1607	pam
	1,1-Dichloroethane	ND	U		0.60	5.0	1.00000	ug/L	59123		12/12/05 1607	pam
	Vinyl acetate	ND	U		0.20	5.0	1.00000	ug/L	59123		12/12/05 1607	pam
	cis-1,2-Dichloroethene	ND	U		0.60	5.0	1.00000	ug/L	59123		12/12/05 1607	pam
	2-Butanone (MEK)	ND	U		1.2	10	1.00000	ug/L	59123		12/12/05 1607	pam
	Chloroform	ND	U		0.70	5.0	1.00000	ug/L	59123		12/12/05 1607	pam
	1,1,1-Trichloroethane	ND	U		0.40	5.0	1.00000	ug/L	59123		12/12/05 1607	pam
	Carbon tetrachloride	ND	U		1.0	5.0	1.00000	ug/L	59123		12/12/05 1607	pam
	Benzene	ND	U		0.40	5.0	1.00000	ug/L	59123		12/12/05 1607	pam
	1,2-Dichloroethane	ND	U		0.60	5.0	1.00000	ug/L	59123		12/12/05 1607	pam
	Trichloroethene	ND	U		0.70	5.0	1.00000	ug/L	59123		12/12/05 1607	pam
	1,2-Dichloropropane	ND	U		0.90	5.0	1.00000	ug/L	59123		12/12/05 1607	pam
	Bromodichloromethane	ND	U		0.40	5.0	1.00000	ug/L	59123		12/12/05 1607	pam
	cis-1,3-Dichloropropene	ND	U		0.50	5.0	1.00000	ug/L	59123		12/12/05 1607	pam
	4-Methyl-2-pentanone (MIBK)	ND	U		0.70	10	1.00000	ug/L	59123		12/12/05 1607	pam
	Toluene	ND	U		0.30	5.0	1.00000	ug/L	59123		12/12/05 1607	pam
	trans-1,3-Dichloropropene	ND	U		0.80	5.0	1.00000	ug/L	59123		12/12/05 1607	pam
	1,1,2-Trichloroethane	ND	U		0.60	5.0	1.00000	ug/L	59123		12/12/05 1607	pam
	Tetrachloroethene	ND	U		0.50	5.0	1.00000	ug/L	59123		12/12/05 1607	pam
	2-Hexanone	ND	U		0.80	10	1.00000	ug/L	59123		12/12/05 1607	pam

* In Description = Dry Wgt.

STL-CONNECTICUT

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Job Number: 211587

LABORATORY TEST RESULTS

Date:12/27/2005

CUSTOMER: FANNING, PHILLIPS AND MOLNAR | PROJECT: WIN-HOLT | ATTN: John Bukoski

Customer Sample ID: TRIP BLANK
Date Sampled.....: 12/08/2005
Time Sampled.....: 00:00
Sample Matrix.....: Groundwater

Laboratory Sample ID: 211587-10
Date Received.....: 12/09/2005
Time Received.....: 11:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U		0.50	5.0	1.00000	ug/L	59123		12/12/05 1607	pam
	Chlorobenzene	ND	U		0.40	5.0	1.00000	ug/L	59123		12/12/05 1607	pam
	Ethylbenzene	ND	U		1.0	5.0	1.00000	ug/L	59123		12/12/05 1607	pam
	Styrene	ND	U		0.50	5.0	1.00000	ug/L	59123		12/12/05 1607	pam
	Bromoform	ND	U		0.80	5.0	1.00000	ug/L	59123		12/12/05 1607	pam
	1,1,2,2-Tetrachloroethane	ND	U		0.40	5.0	1.00000	ug/L	59123		12/12/05 1607	pam
	Xylenes (total)	ND	U		1.0	5.0	1.00000	ug/L	59123		12/12/05 1607	pam

* In Description = Dry Wgt.

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Job Number: 211587

LABORATORY TEST RESULTS

Date:12/27/2005

CUSTOMER: FANNING, PHILLIPS AND MOLNAR

PROJECT: WIN-HOLT

ATTN: John Bukoski

Customer Sample ID: W-2F
Date Sampled.....: 12/08/2005
Time Sampled.....: 12:40
Sample Matrix.....: Groundwater

Laboratory Sample ID: 211587-11
Date Received.....: 12/09/2005
Time Received.....: 11:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)											
	Chloromethane	ND	U		0.50	5.0	1.00000	ug/L	59122		12/09/05 2121	pam
	Vinyl chloride	ND	U		0.80	5.0	1.00000	ug/L	59122		12/09/05 2121	pam
	Bromomethane	ND	U		1.2	5.0	1.00000	ug/L	59122		12/09/05 2121	pam
	Chloroethane	ND	U		0.80	5.0	1.00000	ug/L	59122		12/09/05 2121	pam
	1,1-Dichloroethene	ND	U		0.70	5.0	1.00000	ug/L	59122		12/09/05 2121	pam
	Carbon disulfide	ND	U		0.90	5.0	1.00000	ug/L	59122		12/09/05 2121	pam
	Acetone	ND	U		1.4	10	1.00000	ug/L	59122		12/09/05 2121	pam
	Methylene chloride	0.71	J	B	0.40	5.0	1.00000	ug/L	59122		12/09/05 2121	pam
	trans-1,2-Dichloroethene	ND	U		0.50	5.0	1.00000	ug/L	59122		12/09/05 2121	pam
	1,1-Dichloroethane	ND	U		0.60	5.0	1.00000	ug/L	59122		12/09/05 2121	pam
	Vinyl acetate	ND	U		0.20	5.0	1.00000	ug/L	59122		12/09/05 2121	pam
	cis-1,2-Dichloroethene	ND	U		0.60	5.0	1.00000	ug/L	59122		12/09/05 2121	pam
	2-Butanone (MEK)	ND	U		1.2	10	1.00000	ug/L	59122		12/09/05 2121	pam
	Chloroform	ND	U		0.70	5.0	1.00000	ug/L	59122		12/09/05 2121	pam
	1,1,1-Trichloroethane	ND	U		0.40	5.0	1.00000	ug/L	59122		12/09/05 2121	pam
	Carbon tetrachloride	ND	U		1.0	5.0	1.00000	ug/L	59122		12/09/05 2121	pam
	Benzene	ND	U		0.40	5.0	1.00000	ug/L	59122		12/09/05 2121	pam
	1,2-Dichloroethane	ND	U		0.60	5.0	1.00000	ug/L	59122		12/09/05 2121	pam
	Trichloroethene	ND	U		0.70	5.0	1.00000	ug/L	59122		12/09/05 2121	pam
	1,2-Dichloropropane	ND	U		0.90	5.0	1.00000	ug/L	59122		12/09/05 2121	pam
	Bromodichloromethane	ND	U		0.40	5.0	1.00000	ug/L	59122		12/09/05 2121	pam
	cis-1,3-Dichloropropene	ND	U		0.50	5.0	1.00000	ug/L	59122		12/09/05 2121	pam
	4-Methyl-2-pentanone (MIBK)	ND	U		0.70	10	1.00000	ug/L	59122		12/09/05 2121	pam
	Toluene	ND	U		0.30	5.0	1.00000	ug/L	59122		12/09/05 2121	pam
	trans-1,3-Dichloropropene	ND	U		0.80	5.0	1.00000	ug/L	59122		12/09/05 2121	pam
	1,1,2-Trichloroethane	ND	U		0.60	5.0	1.00000	ug/L	59122		12/09/05 2121	pam
	Tetrachloroethene	ND	U		0.50	5.0	1.00000	ug/L	59122		12/09/05 2121	pam
	2-Hexanone	ND	U		0.80	10	1.00000	ug/L	59122		12/09/05 2121	pam

* In Description = Dry Wgt.

STL-CONNECTICUT

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Job Number: 211587

LABORATORY TEST RESULTS

Date:12/27/2005

CUSTOMER: FANNING, PHILLIPS AND MOLNAR PROJECT: WIN-HOLT ATTN: John Bukoski

Customer Sample ID: W-2F
Date Sampled.....: 12/08/2005
Time Sampled.....: 12:40
Sample Matrix.....: Groundwater

Laboratory Sample ID: 211587-11
Date Received.....: 12/09/2005
Time Received.....: 11:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U		0.50	5.0	1.00000	ug/L	59122		12/09/05 2121	pam
	Chlorobenzene	ND	U		0.40	5.0	1.00000	ug/L	59122		12/09/05 2121	pam
	Ethylbenzene	ND	U		1.0	5.0	1.00000	ug/L	59122		12/09/05 2121	pam
	Styrene	ND	U		0.50	5.0	1.00000	ug/L	59122		12/09/05 2121	pam
	Bromoform	ND	U		0.80	5.0	1.00000	ug/L	59122		12/09/05 2121	pam
	1,1,2,2-Tetrachloroethane	ND	U		0.40	5.0	1.00000	ug/L	59122		12/09/05 2121	pam
	Xylenes (total)	14			1.0	5.0	1.00000	ug/L	59122		12/09/05 2121	pam

* In Description = Dry Wgt.

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LABORATORY CHRONICLE

Job Number: 211587 Date: 01/03/2006

CUSTOMER: FANNING, PHILLIPS AND MOLNAR PROJECT: WIN-HOLT ATTN: John Bukoski

Lab ID: 211587-1 Client ID: W-2 Date Recvd: 12/09/2005 Sample Date: 12/08/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030A	5030 5 mL Purge Prep	1	58776			
8260B	Volatile Organics (5mL Purge)	1	59122	58776	12/09/2005 1713	1.00000

Lab ID: 211587-2 Client ID: W-2A Date Recvd: 12/09/2005 Sample Date: 12/08/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030A	5030 5 mL Purge Prep	1	58776			
8260B	Volatile Organics (5mL Purge)	1	59122	58776	12/09/2005 1738	1.00000

Lab ID: 211587-3 Client ID: W-3 Date Recvd: 12/09/2005 Sample Date: 12/08/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030A	5030 5 mL Purge Prep	1	58776			
8260B	Volatile Organics (5mL Purge)	1	59122	58776	12/09/2005 1802	1.00000

Lab ID: 211587-4 Client ID: W-4 Date Recvd: 12/09/2005 Sample Date: 12/08/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030A	5030 5 mL Purge Prep	1	58776			
8260B	Volatile Organics (5mL Purge)	1	59122	58776	12/09/2005 1827	1.00000

Lab ID: 211587-5 Client ID: W-5 Date Recvd: 12/09/2005 Sample Date: 12/08/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030A	5030 5 mL Purge Prep	1	58776			
8260B	Volatile Organics (5mL Purge)	1	59122	58776	12/09/2005 1852	1.00000

Lab ID: 211587-6 Client ID: W-6 Date Recvd: 12/09/2005 Sample Date: 12/08/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030A	5030 5 mL Purge Prep	1	58789			
8260B	Volatile Organics (5mL Purge)	1	59123	58789	12/12/2005 1632	4.00000

Lab ID: 211587-7 Client ID: W-7 Date Recvd: 12/09/2005 Sample Date: 12/08/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030A	5030 5 mL Purge Prep	1	58776			
8260B	Volatile Organics (5mL Purge)	1	59122	58776	12/09/2005 1942	1.00000

Lab ID: 211587-8 Client ID: W-8 Date Recvd: 12/09/2005 Sample Date: 12/08/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030A	5030 5 mL Purge Prep	1	58841			
8260B	Volatile Organics (5mL Purge)	1	59124	58841	12/13/2005 1137	100.000

Lab ID: 211587-9 Client ID: W-8D Date Recvd: 12/09/2005 Sample Date: 12/08/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030A	5030 5 mL Purge Prep	1	58841			
8260B	Volatile Organics (5mL Purge)	1	59124	58841	12/13/2005 1426	100.000

Lab ID: 211587-10 Client ID: TRIP BLANK Date Recvd: 12/09/2005 Sample Date: 12/08/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030A	5030 5 mL Purge Prep	1	58789			
8260B	Volatile Organics (5mL Purge)	1	59123	58789	12/12/2005 1607	1.00000

Lab ID: 211587-11 Client ID: W-2F Date Recvd: 12/09/2005 Sample Date: 12/08/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030A	5030 5 mL Purge Prep	1	58776			
8260B	Volatile Organics (5mL Purge)	1	59122	58776	12/09/2005 2121	1.00000

SURROGATE RECOVERIES REPORT

Job Number.: 211587 Report Date.: 12/22/2005

CUSTOMER: FANNING, PHILLIPS AND MOLNAR PROJECT: WIN-HOLT ATTN: John Bukoski

Method.....: Volatile Organics (5mL Purge) Method Code...: 8260.5 Prep Batch....: 58776
Batch(s).....: 59122 Test Matrix...: Water Equipment Code: MSL

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS-58776-2			12/09/2005	67	98	85	83
MB-58776-1			12/09/2005	73	104	85	87
211587- 1		W-2	12/09/2005	64	87	82	81
211587- 2		W-2A	12/09/2005	72	98	87	91
211587- 3		W-3	12/09/2005	71	93	87	91
211587- 4		W-4	12/09/2005	73	98	88	91
211587- 5		W-5	12/09/2005	63	83	78	79
211587- 7		W-7	12/09/2005	72	96	85	87
211587- 11		W-2F	12/09/2005	73	102	85	86

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	53 - 125
BRFLBE	4-Bromofluorobenzene (surr)	73 - 127
DBRFLM	Dibromofluoromethane (surr)	54 - 137
TOLD8	Toluene-d8 (surr)	63 - 121

Method.....: Volatile Organics (5mL Purge) Method Code...: 8260.5 Prep Batch....: 58789
Batch(s).....: 59123 Test Matrix...: Water Equipment Code: MSL

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS-58789-2			12/12/2005	83	90	85	86
MB-58789-1			12/12/2005	94	96	93	95
211587- 6		W-6	12/12/2005	84	92	86	94
211587- 6	MS	W-6	12/12/2005	86	85	84	91
211587- 6	MSB	W-6	12/13/2005	88	92	88	93
211587- 6	MSD	W-6	12/13/2005	83	88	87	90
211587- 10		TRIP BLANK	12/12/2005	86	91	88	93

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	53 - 125
BRFLBE	4-Bromofluorobenzene (surr)	73 - 127
DBRFLM	Dibromofluoromethane (surr)	54 - 137
TOLD8	Toluene-d8 (surr)	63 - 121

Method.....: Volatile Organics (5mL Purge) Method Code...: 8260.5 Prep Batch....: 58841
Batch(s).....: 59124 Test Matrix...: Water Equipment Code: MSL

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS-58841-2			12/13/2005	85	91	87	89
MB-58841-1			12/13/2005	84	92	87	90
211587- 8		W-8	12/13/2005	83	90	87	87
211587- 9		W-8D	12/13/2005	81	84	84	82

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	53 - 125
BRFLBE	4-Bromofluorobenzene (surr)	73 - 127
DBRFLM	Dibromofluoromethane (surr)	54 - 137
TOLD8	Toluene-d8 (surr)	63 - 121

QUALITY CONTROL RESULTS

Job Number.: 211587 Report Date.: 12/21/2005

CUSTOMER: FANNING, PHILLIPS AND MOLNAR PROJECT: WIN-HOLT ATTN: John Bukoski

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8260B Equipment Code....: MSL Analyst...: pam
Method Description.: Volatile Organics (5mL Purge) Batch.....: 59123

MS	Matrix Spike	V05IWRK022	211587-6	4.00000	12/12/2005 2354

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Chloromethane	ug/L	202.244	200	800.000	2.000	U 101		43-134	
Vinyl chloride	ug/L	196.314		800.000	3.200	U 98		51-139	
Bromomethane	ug/L	215.898		800.000	4.800	U 108		27-171	
Chloroethane	ug/L	208.530		800.000	3.200	U 104		53-167	
1,1-Dichloroethene	ug/L	223.766		800.000	8.642	J 108		57-137	
Carbon disulfide	ug/L	197.621		800.000	3.600	U 99		44-142	
Acetone	ug/L	214.708		800.000	5.600	U 107		18-263	
Methylene chloride	ug/L	180.028		800.000	10.212	J 85		61-129	
trans-1,2-Dichloroethene	ug/L	200.864		800.000	2.000	U 100		57-129	
1,1-Dichloroethane	ug/L	210.235		800.000	10.376	J 100		67-121	
cis-1,2-Dichloroethene	ug/L	205.019		800.000	2.400	U 103		65-120	
2-Butanone (MEK)	ug/L	211.992		800.000	4.800	U 106		30-222	
Chloroform	ug/L	204.485		800.000	2.800	U 102		70-124	
1,1,1-Trichloroethane	ug/L	860.352		800.000	746.132	57		60-128	*
Carbon tetrachloride	ug/L	186.902		800.000	4.000	U 93		56-131	
Benzene	ug/L	200.050		800.000	1.600	U 100		68-126	
1,2-Dichloroethane	ug/L	204.307		800.000	2.400	U 102		68-124	
Trichloroethene	ug/L	199.590		800.000	2.800	U 98		58-125	
1,2-Dichloropropane	ug/L	204.551		800.000	3.600	U 102		69-122	
Bromodichloromethane	ug/L	204.390		800.000	1.600	U 102		67-118	
cis-1,3-Dichloropropene	ug/L	197.598		800.000	2.000	U 99		60-122	
4-Methyl-2-pentanone (MIBK)	ug/L	209.240		800.000	2.800	U 105		61-140	
Toluene	ug/L	201.902		800.000	1.200	U 101		70-116	
trans-1,3-Dichloropropene	ug/L	196.544		800.000	3.200	U 98		55-126	
1,1,2-Trichloroethane	ug/L	207.808		800.000	2.400	U 104		70-119	
Tetrachloroethene	ug/L	192.990		800.000	2.000	U 96		62-118	
2-Hexanone	ug/L	215.261		800.000	3.200	U 108		54-179	
Dibromochloromethane	ug/L	208.096		800.000	2.000	U 104		65-114	
Chlorobenzene	ug/L	202.546		800.000	1.600	U 101		71-114	
Ethylbenzene	ug/L	200.952		800.000	4.000	U 100		71-115	
Styrene	ug/L	233.956		800.000	2.000	U 117		69-112	*
Bromoform	ug/L	202.664		800.000	3.200	U 101		63-115	
1,1,2,2-Tetrachloroethane	ug/L	195.751		800.000	1.600	U 98		66-129	
Xylenes (total)	ug/L	605.248	600	2400.000	4.000	U 101		66-118	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 211587 Report Date.: 12/21/2005

CUSTOMER: FANNING, PHILLIPS AND MOLNAR PROJECT: WIN-HOLT ATTN: John Bukoski

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	V05IWRKD22	211587-6	4.00000	12/13/2005	0019

Test Method.....: 8260B Equipment Code....: MSL Analyst...: pam
Method Description.: Volatile Organics (5mL Purge) Batch.....: 59123

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Chloromethane	ug/L	210.466	202.244	800.000	2.000 U	105.4		43-134 20	
Vinyl chloride	ug/L	205.465	196.314	800.000	3.200 U	103.5		51-139 20	
Bromomethane	ug/L	178.813	215.898	800.000	4.800 U	89.19		27-171 20	
Chloroethane	ug/L	201.904	208.530	800.000	3.200 U	101.3		53-167 20	
1,1-Dichloroethene	ug/L	224.893	223.766	800.000	8.642 J	108.1		57-137 20	
Carbon disulfide	ug/L	205.446	197.621	800.000	3.600 U	103.4		44-142 20	
Acetone	ug/L	224.393	214.708	800.000	5.600 U	112.4		18-263 20	
Methylene chloride	ug/L	187.514	180.028	800.000	10.212 J	89.4		61-129 20	
trans-1,2-Dichloroethene	ug/L	208.035	200.864	800.000	2.000 U	104.4		57-129 20	
1,1-Dichloroethane	ug/L	217.919	210.235	800.000	10.376 J	104.4		67-121 20	
cis-1,2-Dichloroethene	ug/L	211.720	205.019	800.000	2.400 U	106.3		65-120 20	
2-Butanone (MEK)	ug/L	223.557	211.992	800.000	4.800 U	112.5		30-222 20	
Chloroform	ug/L	210.994	204.485	800.000	2.800 U	105.3		70-124 20	
1,1,1-Trichloroethane	ug/L	870.788	860.352	800.000	746.132	62.1		60-128 20	
Carbon tetrachloride	ug/L	192.277	186.902	800.000	4.000 U	96.3		56-131 20	
Benzene	ug/L	205.488	200.050	800.000	1.600 U	103.3		68-126 20	
1,2-Dichloroethane	ug/L	210.742	204.307	800.000	2.400 U	105.3		68-124 20	
Trichloroethene	ug/L	208.988	199.590	800.000	2.800 U	103.5		58-125 20	
1,2-Dichloropropane	ug/L	211.214	204.551	800.000	3.600 U	106.3		69-122 20	
Bromodichloromethane	ug/L	208.363	204.390	800.000	1.600 U	104.2		67-118 20	
cis-1,3-Dichloropropene	ug/L	205.474	197.598	800.000	2.000 U	103.4		60-122 20	
4-Methyl-2-pentanone (MIBK)	ug/L	211.101	209.240	800.000	2.800 U	106.1		61-140 20	
Toluene	ug/L	202.366	201.902	800.000	1.200 U	101.0		70-116 20	
trans-1,3-Dichloropropene	ug/L	202.171	196.544	800.000	3.200 U	101.3		55-126 20	
1,1,2-Trichloroethane	ug/L	215.180	207.808	800.000	2.400 U	108.3		70-119 20	

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 211587 Report Date.: 12/21/2005

CUSTOMER: FANNING, PHILLIPS AND MOLNAR PROJECT: WIN-HOLT ATTN: John Bukoski

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	V051WRK022	211587-6	4.00000	12/13/2005	0019

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Tetrachloroethene	ug/L	196.004	192.990	800.000	2.000 U	98 2 20		62-118	
2-Hexanone	ug/L	213.820	215.261	800.000	3.200 U	107 1 20		54-179	
Dibromochloromethane	ug/L	203.856	208.096	800.000	2.000 U	102 2 20		65-114	
Chlorobenzene	ug/L	201.129	202.546	800.000	1.600 U	101 1 20		71-114	
Ethylbenzene	ug/L	198.586	200.952	800.000	4.000 U	99 1 20		71-115	
Styrene	ug/L	230.999	233.956	800.000	2.000 U	115 1 20		69-112	*
Bromoform	ug/L	198.432	202.664	800.000	3.200 U	99 2 20		63-115	
1,1,2,2-Tetrachloroethane	ug/L	201.071	195.751	800.000	1.600 U	101 3 20		66-129	
Xylenes (total)	ug/L	617.296	605.248	2400.000	4.000 U	103 2 20		66-118	

200

600

RSM 12/22/05

QUALITY CONTROL RESULTS

Job Number.: 211587

Report Date.: 12/22/2005

CUSTOMER: FANNING, PHILLIPS AND MOLNAR | PROJECT: WIN-HOLT | ATTN: John Bukoski

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8260B
Method Description..: Volatile Organics (5mL Purge)

Equipment Code....: MSL
Batch.....: 59123

Analyst...: pam

MSB	Matrix Spike Blank	V05IWRKD22	211587-6		12/13/2005	0044

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Chloromethane	ug/L	52.808		50.000	0.500 U	106		43-134	
Vinyl chloride	ug/L	52.282		50.000	0.800 U	105		51-139	
Bromomethane	ug/L	58.141		50.000	1.200 U	116		27-171	
Chloroethane	ug/L	53.548		50.000	0.800 U	107		53-167	
1,1-Dichloroethene	ug/L	51.760		50.000	0.700 U	104		57-137	
Carbon disulfide	ug/L	51.385		50.000	0.900 U	103		44-142	
Acetone	ug/L	54.434		50.000	1.400 U	109		18-263	
Methylene chloride	ug/L	46.755		50.000	3.462 J	87		61-129	
trans-1,2-Dichloroethene	ug/L	51.311		50.000	0.500 U	103		57-129	
1,1-Dichloroethane	ug/L	51.801		50.000	0.600 U	104		67-121	
cis-1,2-Dichloroethene	ug/L	52.554		50.000	0.600 U	105		65-120	
2-Butanone (MEK)	ug/L	55.358		50.000	1.200 U	111		30-222	
Chloroform	ug/L	53.057		50.000	0.700 U	106		70-124	
1,1,1-Trichloroethane	ug/L	52.121		50.000	0.400 U	104		60-128	
Carbon tetrachloride	ug/L	46.689		50.000	1.000 U	93		56-131	
Benzene	ug/L	51.942		50.000	0.400 U	104		68-126	
1,2-Dichloroethane	ug/L	51.670		50.000	0.600 U	103		68-124	
Trichloroethene	ug/L	51.766		50.000	0.700 U	104		58-125	
1,2-Dichloropropane	ug/L	51.940		50.000	0.900 U	104		69-122	
Bromodichloromethane	ug/L	50.977		50.000	0.400 U	102		67-118	
cis-1,3-Dichloropropene	ug/L	51.423		50.000	0.500 U	103		60-122	
4-Methyl-2-pentanone (MIBK)	ug/L	54.582		50.000	0.700 U	109		61-140	
Toluene	ug/L	52.370		50.000	0.300 U	105		70-116	
trans-1,3-Dichloropropene	ug/L	50.383		50.000	0.800 U	101		55-126	
1,1,2-Trichloroethane	ug/L	52.448		50.000	0.600 U	105		70-119	
Tetrachloroethene	ug/L	49.629		50.000	0.500 U	99		62-118	
2-Hexanone	ug/L	55.222		50.000	0.800 U	110		54-179	
Dibromochloromethane	ug/L	52.898		50.000	0.500 U	106		65-114	
Chlorobenzene	ug/L	52.556		50.000	0.400 U	105		71-114	
Ethylbenzene	ug/L	50.213		50.000	1.000 U	100		71-115	
Styrene	ug/L	52.940		50.000	0.500 U	106		69-112	
Bromoform	ug/L	52.009		50.000	0.800 U	104		63-115	
1,1,2,2-Tetrachloroethane	ug/L	51.558		50.000	0.400 U	103		66-129	
Xylenes (total)	ug/L	150.738		150.000	1.000 U	100		66-118	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 211587

Report Date.: 12/21/2005

CUSTOMER: FANNING, PHILLIPS AND MOLNAR | PROJECT: WIN-HOLT | ATTN: John Bukoski

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05IWRK022	58776 -002		12/09/2005	1150

Test Method.....: 8260B
Method Description.: Volatile Organics (5mL Purge)

Equipment Code....: MSL
Batch.....: 59122

Analyst...: pam

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Chloromethane	ug/L	23.271		20.000		116	%	43-134	
Vinyl chloride	ug/L	19.287		20.000		96	%	51-139	
Bromomethane	ug/L	16.745		20.000		84	%	27-171	
Chloroethane	ug/L	21.376		20.000		107	%	53-167	
1,1-Dichloroethene	ug/L	15.341		20.000		77	%	57-137	
Carbon disulfide	ug/L	8.185		20.000		41	%	44-142	*
Acetone	ug/L	17.723		20.000		89	%	18-263	
Methylene chloride	ug/L	18.818		20.000		94	%	61-129	
trans-1,2-Dichloroethene	ug/L	14.317		20.000		72	%	57-129	
1,1-Dichloroethane	ug/L	17.452		20.000		87	%	67-121	
cis-1,2-Dichloroethene	ug/L	17.397		20.000		87	%	65-120	
2-Butanone (MEK)	ug/L	22.119		20.000		111	%	30-222	
Chloroform	ug/L	15.696		20.000		78	%	70-124	
1,1,1-Trichloroethane	ug/L	13.716		20.000		69	%	60-128	
Carbon tetrachloride	ug/L	11.504		20.000		58	%	56-131	
Benzene	ug/L	18.202		20.000		91	%	68-126	
1,2-Dichloroethane	ug/L	15.068		20.000		75	%	68-124	
Trichloroethene	ug/L	13.616		20.000		68	%	58-125	
1,2-Dichloropropane	ug/L	20.128		20.000		101	%	69-122	
Bromodichloromethane	ug/L	16.731		20.000		84	%	67-118	
cis-1,3-Dichloropropene	ug/L	17.019		20.000		85	%	60-122	
4-Methyl-2-pentanone (MIBK)	ug/L	21.149		20.000		106	%	61-140	
Toluene	ug/L	14.315		20.000		72	%	70-116	
trans-1,3-Dichloropropene	ug/L	15.822		20.000		79	%	55-126	
1,1,2-Trichloroethane	ug/L	19.924		20.000		100	%	70-119	
Tetrachloroethene	ug/L	10.031		20.000		50	%	62-118	*
2-Hexanone	ug/L	20.205		20.000		101	%	54-179	
Dibromochloromethane	ug/L	14.761		20.000		74	%	65-114	
Chlorobenzene	ug/L	14.480		20.000		72	%	71-114	
Ethylbenzene	ug/L	13.887		20.000		69	%	71-115	*
Styrene	ug/L	13.887		20.000		69	%	69-112	
Bromoform	ug/L	14.282		20.000		71	%	63-115	
1,1,2,2-Tetrachloroethane	ug/L	24.399		20.000		122	%	66-129	
Xylenes (total)	ug/L	40.548		60.000		68	%	66-118	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 211587 Report Date.: 12/21/2005

CUSTOMER: FANNING, PHILLIPS AND MOLNAR PROJECT: WIN-HOLT ATTN: John Bukoski

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8260B Equipment Code....: MSL Analyst...: pam
Method Description.: Volatile Organics (5mL Purge) Batch.....: 59123

LCS	Laboratory Control Sample	V05IWRK022	59123-001		12/12/2005 1403

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Chloromethane	ug/L	14.632		20.000		73	%	43-134	
Vinyl chloride	ug/L	14.864		20.000		74	%	51-139	
Bromomethane	ug/L	17.246		20.000		86	%	27-171	
Chloroethane	ug/L	17.486		20.000		87	%	53-167	
1,1-Dichloroethene	ug/L	14.596		20.000		73	%	57-137	
Carbon disulfide	ug/L	5.655		20.000		28	%	44-142	*
Acetone	ug/L	19.818		20.000		99	%	18-263	
Methylene chloride	ug/L	16.481		20.000		82	%	61-129	
trans-1,2-Dichloroethene	ug/L	12.952		20.000		65	%	57-129	
1,1-Dichloroethane	ug/L	17.228		20.000		86	%	67-121	
cis-1,2-Dichloroethene	ug/L	16.574		20.000		83	%	65-120	
2-Butanone (MEK)	ug/L	19.320		20.000		97	%	30-222	
Chloroform	ug/L	17.074		20.000		85	%	70-124	
1,1,1-Trichloroethane	ug/L	17.649		20.000		88	%	60-128	
Carbon tetrachloride	ug/L	18.420		20.000		92	%	56-131	
Benzene	ug/L	16.323		20.000		82	%	68-126	
1,2-Dichloroethane	ug/L	16.756		20.000		84	%	68-124	
Trichloroethene	ug/L	14.976		20.000		75	%	58-125	
1,2-Dichloropropane	ug/L	17.460		20.000		87	%	69-122	
Bromodichloromethane	ug/L	17.643		20.000		88	%	67-118	
cis-1,3-Dichloropropene	ug/L	16.615		20.000		83	%	60-122	
4-Methyl-2-pentanone (MIBK)	ug/L	19.660		20.000		98	%	61-140	
Toluene	ug/L	16.170		20.000		81	%	70-116	
trans-1,3-Dichloropropene	ug/L	16.648		20.000		83	%	55-126	
1,1,2-Trichloroethane	ug/L	18.291		20.000		91	%	70-119	
Tetrachloroethene	ug/L	13.896		20.000		69	%	62-118	
2-Hexanone	ug/L	19.785		20.000		99	%	54-179	
Dibromochloromethane	ug/L	17.276		20.000		86	%	65-114	
Chlorobenzene	ug/L	16.290		20.000		81	%	71-114	
Ethylbenzene	ug/L	15.712		20.000		79	%	71-115	
Styrene	ug/L	14.773		20.000		74	%	69-112	
Bromoform	ug/L	17.147		20.000		86	%	63-115	
1,1,2,2-Tetrachloroethane	ug/L	19.312		20.000		97	%	66-129	
Xylenes (total)	ug/L	47.630		60.000		79	%	66-118	

QUALITY CONTROL RESULTS

Job Number.: 211587

Report Date.: 12/21/2005

CUSTOMER: FANNING, PHILLIPS AND MOLNAR | PROJECT: WIN-HOLT | ATTN: John Bukoski

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05IWRKD22	S8841-002		12/13/2005	0909

Test Method.....: 8260B
Method Description.: Volatile Organics (5mL Purge)

Equipment Code....: MSL
Batch.....: 59124

Analyst...: pam

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Chloromethane	ug/L	15.474		20.000		77	%	43-134	
Vinyl chloride	ug/L	15.237		20.000		76	%	51-139	
Bromomethane	ug/L	15.832		20.000		79	%	27-171	
Chloroethane	ug/L	17.944		20.000		90	%	53-167	
1,1-Dichloroethene	ug/L	15.460		20.000		77	%	57-137	
Carbon disulfide	ug/L	5.899		20.000		29	%	44-142	*
Acetone	ug/L	29.378		20.000		147	%	18-263	
Methylene chloride	ug/L	17.724		20.000		89	%	61-129	
trans-1,2-Dichloroethene	ug/L	13.886		20.000		69	%	57-129	
1,1-Dichloroethane	ug/L	17.491		20.000		87	%	67-121	
cis-1,2-Dichloroethene	ug/L	17.606		20.000		88	%	65-120	
2-Butanone (MEK)	ug/L	23.732		20.000		119	%	30-222	
Chloroform	ug/L	17.771		20.000		89	%	70-124	
1,1,1-Trichloroethane	ug/L	18.257		20.000		91	%	60-128	
Carbon tetrachloride	ug/L	15.592		20.000		78	%	56-131	
Benzene	ug/L	17.480		20.000		87	%	68-126	
1,2-Dichloroethane	ug/L	17.778		20.000		89	%	68-124	
Trichloroethene	ug/L	15.389		20.000		77	%	58-125	
1,2-Dichloropropane	ug/L	18.667		20.000		93	%	69-122	
Bromodichloromethane	ug/L	17.817		20.000		89	%	67-118	
cis-1,3-Dichloropropene	ug/L	18.041		20.000		90	%	60-122	
4-Methyl-2-pentanone (MIBK)	ug/L	19.291		20.000		96	%	61-140	
Toluene	ug/L	16.312		20.000		82	%	70-116	
trans-1,3-Dichloropropene	ug/L	17.404		20.000		87	%	55-126	
1,1,2-Trichloroethane	ug/L	19.033		20.000		95	%	70-119	
Tetrachloroethene	ug/L	14.274		20.000		71	%	62-118	
2-Hexanone	ug/L	20.321		20.000		102	%	54-179	
Dibromochloromethane	ug/L	17.400		20.000		87	%	65-114	
Chlorobenzene	ug/L	16.238		20.000		81	%	71-114	
Ethylbenzene	ug/L	16.525		20.000		83	%	71-115	
Styrene	ug/L	19.647		20.000		98	%	69-112	
Bromoform	ug/L	16.648		20.000		83	%	63-115	
1,1,2,2-Tetrachloroethane	ug/L	19.042		20.000		95	%	66-129	
Xylenes (total)	ug/L	49.694		60.000		83	%	66-118	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 211587 Report Date.: 12/21/2005

CUSTOMER: FANNING, PHILLIPS AND MOLNAR PROJECT: WIN-HOLT ATTN: John Bukoski

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		58776 -001		12/09/2005	1240

Test Method.....: 8260B Equipment Code....: MSL Analyst...: pam
Method Description.: Volatile Organics (5mL Purge) Batch.....: 59122

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Chloromethane	ug/L	0.500	U							
Vinyl chloride	ug/L	0.800	U							
Bromomethane	ug/L	1.200	U							
Chloroethane	ug/L	0.800	U							
1,1-Dichloroethene	ug/L	0.700	U							
Carbon disulfide	ug/L	0.900	U							
Acetone	ug/L	1.400	U							
Methylene chloride	ug/L	4.365	J							B
trans-1,2-Dichloroethene	ug/L	0.500	U							
1,1-Dichloroethane	ug/L	0.600	U							
Vinyl acetate	ug/L	0.200	U							
cis-1,2-Dichloroethene	ug/L	0.600	U							
2-Butanone (MEK)	ug/L	1.200	U							
Chloroform	ug/L	0.700	U							
1,1,1-Trichloroethane	ug/L	0.400	U							
Carbon tetrachloride	ug/L	1.000	U							
Benzene	ug/L	0.400	U							
1,2-Dichloroethane	ug/L	0.600	U							
Trichloroethene	ug/L	0.700	U							
1,2-Dichloropropane	ug/L	0.900	U							
Bromodichloromethane	ug/L	0.400	U							
cis-1,3-Dichloropropene	ug/L	0.500	U							
4-Methyl-2-pentanone (MIBK)	ug/L	0.700	U							
Toluene	ug/L	0.300	U							
trans-1,3-Dichloropropene	ug/L	0.800	U							
1,1,2-Trichloroethane	ug/L	0.600	U							
Tetrachloroethene	ug/L	0.500	U							
2-Hexanone	ug/L	0.800	U							
Dibromochloromethane	ug/L	0.500	U							
Chlorobenzene	ug/L	0.400	U							
Ethylbenzene	ug/L	1.000	U							
Styrene	ug/L	0.500	U							
Bromoform	ug/L	0.800	U							
1,1,2,2-Tetrachloroethane	ug/L	0.400	U							
Xylenes (total)	ug/L	1.000	U							

QUALITY CONTROL RESULTS

Job Number.: 211587 Report Date.: 12/22/2005

CUSTOMER: FANNING, PHILLIPS AND MOLNAR PROJECT: WIN-HOLT ATTN: John Bukoski

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		58789 -001		12/12/2005	1517

Test Method.....: 8260B Equipment Code....: MSL Analyst...: pam
Method Description.: Volatile Organics (5mL Purge) Batch.....: 59123

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Chloromethane	ug/L	0.500	U						
Vinyl chloride	ug/L	0.800	U						
Bromomethane	ug/L	1.200	U						
Chloroethane	ug/L	0.800	U						
1,1-Dichloroethene	ug/L	0.700	U						
Carbon disulfide	ug/L	0.900	U						
Acetone	ug/L	1.400	U						
Methylene chloride	ug/L	3.462	J						B
trans-1,2-Dichloroethene	ug/L	0.500	U						
1,1-Dichloroethane	ug/L	0.600	U						
Vinyl acetate	ug/L	0.200	U						
cis-1,2-Dichloroethene	ug/L	0.600	U						
2-Butanone (MEK)	ug/L	1.200	U						
Chloroform	ug/L	0.700	U						
1,1,1-Trichloroethane	ug/L	0.400	U						
Carbon tetrachloride	ug/L	1.000	U						
Benzene	ug/L	0.400	U						
1,2-Dichloroethane	ug/L	0.600	U						
Trichloroethene	ug/L	0.700	U						
1,2-Dichloropropane	ug/L	0.900	U						
Bromodichloromethane	ug/L	0.400	U						
cis-1,3-Dichloropropene	ug/L	0.500	U						
4-Methyl-2-pentanone (MIBK)	ug/L	0.700	U						
Toluene	ug/L	0.300	U						
trans-1,3-Dichloropropene	ug/L	0.800	U						
1,1,2-Trichloroethane	ug/L	0.600	U						
Tetrachloroethene	ug/L	0.500	U						
2-Hexanone	ug/L	0.800	U						
Dibromochloromethane	ug/L	0.500	U						
Chlorobenzene	ug/L	0.400	U						
Ethylbenzene	ug/L	1.000	U						
Styrene	ug/L	0.500	U						
Bromoform	ug/L	0.800	U						
1,1,2,2-Tetrachloroethane	ug/L	0.400	U						
Xylenes (total)	ug/L	1.000	U						

QUALITY CONTROL RESULTS

Job Number.: 211587

Report Date.: 12/21/2005

CUSTOMER: FANNING, PHILLIPS AND MOLNAR | PROJECT: WIN-HOLT | ATTN: John Bukoski

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		58841 -001		12/13/2005	1023

Test Method.....: 8260B
Method Description.: Volatile Organics (5mL Purge)

Equipment Code....: MSL
Batch.....: 59124

Analyst...: pam

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Chloromethane	ug/L	0.500	U							
Vinyl chloride	ug/L	0.800	U							
Bromomethane	ug/L	1.200	U							
Chloroethane	ug/L	0.800	U							
1,1-Dichloroethene	ug/L	0.700	U							
Carbon disulfide	ug/L	0.900	U							
Acetone	ug/L	1.400	U							
Methylene chloride	ug/L	3.588	J							B
trans-1,2-Dichloroethene	ug/L	0.500	U							
1,1-Dichloroethane	ug/L	0.600	U							
Vinyl acetate	ug/L	0.200	U							
cis-1,2-Dichloroethene	ug/L	0.600	U							
2-Butanone (MEK)	ug/L	1.200	U							
Chloroform	ug/L	0.700	U							
1,1,1-Trichloroethane	ug/L	0.400	U							
Carbon tetrachloride	ug/L	1.000	U							
Benzene	ug/L	0.400	U							
1,2-Dichloroethane	ug/L	0.600	U							
Trichloroethene	ug/L	0.700	U							
1,2-Dichloropropane	ug/L	0.900	U							
Bromodichloromethane	ug/L	0.400	U							
cis-1,3-Dichloropropene	ug/L	0.500	U							
4-Methyl-2-pentanone (MIBK)	ug/L	0.700	U							
Toluene	ug/L	0.300	U							
trans-1,3-Dichloropropene	ug/L	0.800	U							
1,1,2-Trichloroethane	ug/L	0.600	U							
Tetrachloroethene	ug/L	0.500	U							
2-Hexanone	ug/L	0.800	U							
Dibromochloromethane	ug/L	0.500	U							
Chlorobenzene	ug/L	0.400	U							
Ethylbenzene	ug/L	1.000	U							
Styrene	ug/L	0.500	U							
Bromoform	ug/L	0.800	U							
1,1,2,2-Tetrachloroethane	ug/L	0.400	U							
Xylenes (total)	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.

3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 10604

5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviation

Inorganic Qualifiers (Q-Column)

U	Analyte was not detected at or above the reporting limit.
<	Not detected at or above the reporting limit.
J	Result is less than the RL, but greater than or equal to the method detection limit.
B	Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
S	Result was determined by the Method of Standard Additions.

Inorganic Flags (Flag Column)

'	ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed th upper or lower control limits.
*	LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
+	MSA correlation coefficient is less than 0.995.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E	SD: Serial dilution exceeds the control limits.
H	MB, EB: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
N	MS, MSD: Spike recovery exceeds the upper or lower control limits.
W	PS: Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

U	Analyte was not detected at or above the reporting limit.
ND	Compound not detected.
J	Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
Q	Result was qualitatively confirmed, but not quantified.
C	Pesticide identification was confirmed by GC/MS.
Y	The chromatographic response resembles a typical fuel pattern.
Z	The chromatographic response does not resemble a typical fuel pattern.
E	Result exceeded calibration range, secondary dilution required.

Organic Flags (Flags Column)

'	MB,EB, MLE: Batch QC is greater than reporting limit.
*	LCS, LCD, CCV, MS, MSD, Surrogate, RS:Batch QC exceeds the upper or lower control limits.
A	Concentration exceeds the instrument calibration range or below the reporting limit.
B	Compound was found in the blank.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
H	Alternate peak selection upon analytical review
I	Indicates the presence of an interfence, recovery is not calculated.
M	Manually integrated compound.
P	The lower of the two values is reported when the % difference between the results of two GC columns is greater than 25%.

QUALITY ASSURANCE METHODS
REFERENCES AND NOTES

Abbreviations

Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation Analysis
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
Dil Fac	Dilution Factor
DL	Secondary dilution and analysis
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB	Extraction Blank
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A
ISB	Interference Check Sample B
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group
Lab ID	An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PACK	Packed Column
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PS	Post Spike
PSD	Post Spike Duplicate
RA	Re-analysis
RE	Re-extraction and analysis
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RS	Reference Standard
RT	Retention Time
RTW	Retention Time Window
SampleID	A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution
UCB	Unseeded Control Blank

One or a combination of these data qualifiers and abbreviations may appear in the analytical report.

STL-Connecticut
Certification Summary (as of September 2005)

The laboratory identification numbers for the STL-Connecticut laboratory are provided in the following table. Many states certify laboratories for specific parameters or tests within a category (i.e. method 325.2 for wastewater). The information in the following table indicates the lab is certified in a general category of testing such as drinking water or wastewater analysis. The laboratory should be contacted directly if parameter-specific certification information is required.

State	Responsible Agency	Certification	Expiration Date	Lab Number
Connecticut	Department of Health Services	Drinking Water, Wastewater	12/31/06	PH-0497
Maine	Department of Health and Environmental Services	Drinking Water, Wastewater/Solid, Hazardous Waste	04/18/06	CT023
Massachusetts	Department of Environmental Protection	Potable/Non-Potable Water	06/30/06	CT023
New Hampshire	Department of Environmental Services	Drinking Water, Wastewater	08/29/06	2528
New Jersey	Department of Environmental Protection	Drinking Water, Wastewater	06/30/06	CT410
New York	Department of Health	CLP, Drinking Water, Wastewater, Solid/ Hazardous Waste **NELAC**	04/01/06	10602
Rhode Island	Department of Health	Chemistry...Non- Potable Water and Wastewater	12/30/06	A43
Utah	Department of Health	RCRA	05/31/06	2032614458

STL-CONNECTICUT

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CC: JB

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for

FPM Group
909 Marconi Avenue
Ronkonkoma, New York 11779
Attention: John Bukoski

Report Date: 12/14/2005
Re: Client Project ID: Win-Holt / 562-05-08
York Project No.: 05120166

CT License No. PH-0723 New York License No. 10854

120 RESEARCH DRIVE STRATFORD, CT 06615 (203) 325-1371 FAX (203) 357-0166

Report Date: 12/14/2005
Client Project ID: Win-Holt / 562-05-08
York Project No.: 05120166

FPM Group
909 Marconi Avenue
Ronkonkoma, New York 11779
Attention: John Bukoski

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 12/06/05. The project was identifed as your project "Win-Holt / 562-05-08 ".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables .

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

Analysis Results

Client Sample ID			SG-8 (2')		SG-8 (6')	
York Sample ID			05120166-01		05120166-02	
Matrix			AIR		AIR	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatile Organics, TO-15 List	EPA TO15	ppbv	---	---	---	---
1,1,1-Trichloroethane			Not detected	6.76	Not detected	3.36
1,1,2,2-tetrachloroethane			Not detected	6.76	Not detected	3.36
1,1,2-Trichloroethane			Not detected	6.76	Not detected	3.36
1,1-Dichloroethane			Not detected	6.76	Not detected	3.36
1,1-Dichloroethylene			Not detected	6.76	Not detected	3.36
1,2,4-Trichlorobenzene			Not detected	6.76	Not detected	3.36
1,2,4-Trimethylbenzene			Not detected	6.76	Not detected	3.36
1,2-Dibromoethane			Not detected	6.76	Not detected	3.36
1,2-Dichlorobenzene			Not detected	6.76	Not detected	3.36
1,2-Dichloroethane			Not detected	6.76	Not detected	3.36
1,2-Dichloropropane			Not detected	6.76	Not detected	3.36
1,2-Dichlorotetrafluoroethane			Not detected	6.76	Not detected	3.36
1,3,5-Trimethylbenzene			Not detected	6.76	Not detected	3.36
1,3-Butadiene			Not detected	6.76	Not detected	3.36
1,3-Dichlorobenzene			Not detected	6.76	Not detected	3.36
1,4-Dichlorobenzene			Not detected	6.76	Not detected	3.36

YORK

Client Sample ID			SG-8 (2')		SG-8 (6')	
York Sample ID			05120166-01		05120166-02	
Matrix			AIR		AIR	
Parameter	Method	Units	Results	MDL	Results	MDL
1,4-Dioxane			Not detected	6.76	Not detected	3.36
2,2,4-Trimethylpentane			Not detected	6.76	Not detected	3.36
4-Ethyltoluene			Not detected	6.76	6.9	3.36
Acetone			46	6.76	57	3.36
Allyl Chloride			Not detected	6.76	Not detected	3.36
Benzene			Not detected	6.76	4.7	3.36
Benzyl Chloride			Not detected	6.76	Not detected	3.36
Bromodichloromethane			Not detected	6.76	Not detected	3.36
Bromoform			Not detected	6.76	Not detected	3.36
Bromomethane			Not detected	6.76	Not detected	3.36
Carbon Disulfide			Not detected	6.76	Not detected	3.36
Carbon Tetrachloride			Not detected	6.76	Not detected	3.36
Chlorobenzene			Not detected	6.76	Not detected	3.36
Chloroethane			Not detected	6.76	Not detected	3.36
Chloroform			Not detected	6.76	8.0	3.36
Chloromethane			Not detected	6.76	Not detected	3.36
cis-1,2-Dichloroethylene			Not detected	6.76	Not detected	3.36
cis-1,3-Dichloropropylene			Not detected	6.76	Not detected	3.36
Cyclohexane			Not detected	6.76	Not detected	3.36
Dibromochloromethane			Not detected	6.76	Not detected	3.36
Dichlorodifluoromethane			Not detected	6.76	Not detected	3.36
Ethyl acetate			Not detected	6.76	Not detected	3.36
Ethylbenzene			Not detected	6.76	4.1	3.36
Freon-113			Not detected	6.76	Not detected	3.36
Hexachloro-1,3-Butadiene			Not detected	6.76	6.4 B	3.36
Isopropanol			Not detected	6.76	Not detected	3.36
Methyl Butyl ketone			Not detected	6.76	Not detected	3.36
Methyl Ethyl ketone			Not detected	6.76	Not detected	3.36
Methyl Isobutyl ketone			Not detected	6.76	Not detected	3.36
Methylene Chloride			Not detected	6.76	15 B	3.36
MTBE			Not detected	6.76	Not detected	3.36
n-Heptane			160	6.76	Not detected	3.36
n-Hexane			Not detected	6.76	5.8	3.36
o-Xylene			Not detected	6.76	4.0	3.36
p- & m-Xylenes			Not detected	6.76	9.0	3.36
Propylene			Not detected	6.76	76	3.36
Styrene			Not detected	6.76	Not detected	3.36
Tetrachloroethylene			Not detected	6.76	Not detected	3.36
Tetrahydrofuran			Not detected	6.76	Not detected	3.36
Toluene			160	6.76	28	3.36
trans-1,2-Dichloroethylene			Not detected	6.76	Not detected	3.36
trans-1,3-Dichloropropylene			Not detected	6.76	Not detected	3.36
Trichloroethylene			Not detected	6.76	Not detected	3.36
Trichlorofluoromethane			Not detected	6.76	Not detected	3.36
Vinyl acetate			Not detected	6.76	Not detected	3.36
Vinyl Bromide			Not detected	6.76	Not detected	3.36
Vinyl Chloride			Not detected	6.76	Not detected	3.36
Volatile Organics, TO-15 List	EPA TO15	ug/cu.m.	---	---	---	---
1,1,1-Trichloroethane			Not detected	27.7	Not detected	13.9
1,1,2,2-tetrachloroethane			Not detected	35.0	Not detected	17.6
1,1,2-Trichloroethane			Not detected	27.7	Not detected	13.9

YORK

Client Sample ID			SG-8 (2')		SG-8 (6')	
York Sample ID			05120166-01		05120166-02	
Matrix			AIR		AIR	
Parameter	Method	Units	Results	MDL	Results	MDL
1,1-Dichloroethane			Not detected	27.4	Not detected	13.8
1,1-Dichloroethylene			Not detected	27.0	Not detected	13.6
1,2,4-Trichlorobenzene			Not detected	34.4	Not detected	17.3
1,2,4-Trimethylbenzene			Not detected	25.0	Not detected	12.6
1,2-Dibromoethane			Not detected	39.1	Not detected	19.7
1,2-Dichlorobenzene			Not detected	30.7	Not detected	15.5
1,2-Dichloroethane			Not detected	20.7	Not detected	10.4
1,2-Dichloropropane			Not detected	23.7	Not detected	11.9
1,2-Dichlorotetrafluoroethane			Not detected	33.4	Not detected	16.8
1,3,5-Trimethylbenzene			Not detected	25.0	Not detected	12.6
1,3-Butadiene			Not detected	11.3	Not detected	5.71
1,3-Dichlorobenzene			Not detected	30.7	Not detected	15.5
1,4-Dichlorobenzene			Not detected	30.7	Not detected	15.5
1,4-Dioxane			Not detected	18.4	Not detected	9.24
2,2,4-Trimethylpentane			Not detected	23.7	Not detected	11.9
4-Ethyltoluene			Not detected	25.0	34.4	12.6
Acetone			111	12.0	138	6.05
Allyl Chloride			Not detected	16.0	Not detected	8.06
Benzene			Not detected	16.4	15.3	8.23
Benzyl Chloride			Not detected	33.7	Not detected	17.0
Bromodichloromethane			Not detected	34.0	Not detected	17.1
Bromoform			Not detected	52.7	Not detected	26.5
Bromomethane			Not detected	26.4	Not detected	13.3
Carbon Disulfide			Not detected	16.0	Not detected	8.06
Carbon Tetrachloride			Not detected	32.0	Not detected	16.1
Chlorobenzene			Not detected	23.4	Not detected	11.8
Chloroethane			Not detected	18.0	Not detected	9.07
Chloroform			Not detected	24.7	39.7	12.4
Chloromethane			Not detected	14.0	Not detected	7.06
cis-1,2-Dichloroethylene			Not detected	27.0	Not detected	13.6
cis-1,3-Dichloropropylene			Not detected	23.0	Not detected	11.6
Cyclohexane			Not detected	17.7	Not detected	8.90
Dibromochloromethane			Not detected	43.4	Not detected	21.8
Dichlorodifluoromethane			Not detected	33.7	Not detected	17.0
Ethyl acetate			Not detected	18.7	Not detected	9.41
Ethylbenzene			Not detected	22.0	18.1	11.1
Freon-113			Not detected	52.1	Not detected	26.2
Hexachloro-1,3-Butadiene			Not detected	38.1	68.7 B	19.2
Isopropanol			Not detected	12.4	Not detected	6.22
Methyl Butyl ketone			Not detected	20.7	Not detected	10.4
Methyl Ethyl ketone			Not detected	15.0	Not detected	7.56
Methyl Isobutyl ketone			Not detected	21.0	Not detected	10.6
Methylene Chloride			Not detected	23.7	53.0 B	11.9
MTBE			Not detected	18.4	Not detected	9.24
n-Heptane			666	20.7	Not detected	10.4
n-Hexane			Not detected	18.0	20.8	9.07
o-Xylene			Not detected	22.0	17.7	11.1
p- & m-Xylenes			Not detected	22.0	39.8	11.1
Propylene			Not detected	8.68	133	4.37
Styrene			Not detected	21.7	Not detected	10.9
Tetrachloroethylene			Not detected	34.4	Not detected	17.3

YORK

Client Sample ID			SG-8 (2')		SG-8 (6')	
York Sample ID			05120166-01		05120166-02	
Matrix			AIR		AIR	
Parameter	Method	Units	Results	MDL	Results	MDL
Tetrahydrofuran			Not detected	15.0	Not detected	7.56
Toluene			613	19.0	107	9.58
trans-1,2-Dichloroethylene			Not detected	20.0	Not detected	10.1
trans-1,3-Dichloropropylene			Not detected	23.0	Not detected	11.6
Trichloroethylene			Not detected	27.4	Not detected	13.8
Trichlorofluoromethane			Not detected	38.1	Not detected	19.2
Vinyl acetate			Not detected	18.0	Not detected	9.07
Vinyl Bromide			Not detected	22.4	Not detected	11.3
Vinyl Chloride			Not detected	17.4	Not detected	8.74

Client Sample ID			SG-9 (2')		SG-9 (6')	
York Sample ID			05120166-03		05120166-04	
Matrix			AIR		AIR	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatile Organics, TO-15 List	EPA TO15	ppbv	---	---	---	---
1,1,1-Trichloroethane			Not detected	3.34	Not detected	3.34
1,1,2,2-tetrachloroethane			Not detected	3.34	Not detected	3.34
1,1,2-Trichloroethane			Not detected	3.34	Not detected	3.34
1,1-Dichloroethane			Not detected	3.34	Not detected	3.34
1,1-Dichloroethylene			Not detected	3.34	Not detected	3.34
1,2,4-Trichlorobenzene			Not detected	3.34	Not detected	3.34
1,2,4-Trimethylbenzene			Not detected	3.34	Not detected	3.34
1,2-Dibromoethane			Not detected	3.34	Not detected	3.34
1,2-Dichlorobenzene			Not detected	3.34	Not detected	3.34
1,2-Dichloroethane			Not detected	3.34	Not detected	3.34
1,2-Dichloropropane			Not detected	3.34	Not detected	3.34
1,2-Dichlorotetrafluoroethane			Not detected	3.34	Not detected	3.34
1,3,5-Trimethylbenzene			Not detected	3.34	Not detected	3.34
1,3-Butadiene			Not detected	3.34	Not detected	3.34
1,3-Dichlorobenzene			Not detected	3.34	Not detected	3.34
1,4-Dichlorobenzene			Not detected	3.34	Not detected	3.34
1,4-Dioxane			Not detected	3.34	Not detected	3.34
2,2,4-Trimethylpentane			Not detected	3.34	Not detected	3.34
4-Ethyltoluene			3.8	3.34	Not detected	3.34
Acetone			25	3.34	47	3.34
Allyl Chloride			Not detected	3.34	Not detected	3.34
Benzene			Not detected	3.34	3.4	3.34
Benzyl Chloride			Not detected	3.34	Not detected	3.34
Bromodichloromethane			Not detected	3.34	Not detected	3.34
Bromoform			Not detected	3.34	Not detected	3.34
Bromomethane			Not detected	3.34	Not detected	3.34
Carbon Disulfide			Not detected	3.34	Not detected	3.34
Carbon Tetrachloride			Not detected	3.34	Not detected	3.34
Chlorobenzene			Not detected	3.34	Not detected	3.34
Chloroethane			Not detected	3.34	Not detected	3.34
Chloroform			Not detected	3.34	Not detected	3.34
Chloromethane			Not detected	3.34	Not detected	3.34
cis-1,2-Dichloroethylene			Not detected	3.34	Not detected	3.34
cis-1,3-Dichloropropylene			Not detected	3.34	Not detected	3.34

YORK

Client Sample ID			SG-9 (2')		SG-9 (6')	
York Sample ID			05120166-03		05120166-04	
Matrix			AIR		AIR	
Parameter	Method	Units	Results	MDL	Results	MDL
Cyclohexane			Not detected	3.34	Not detected	3.34
Dibromochloromethane			Not detected	3.34	Not detected	3.34
Dichlorodifluoromethane			Not detected	3.34	Not detected	3.34
Ethyl acetate			Not detected	3.34	Not detected	3.34
Ethylbenzene			Not detected	3.34	Not detected	3.34
Freon-113			Not detected	3.34	Not detected	3.34
Hexachloro-1,3-Butadiene			6.4 B	3.34	6.0 B	3.34
Isopropanol			Not detected	3.34	Not detected	3.34
Methyl Butyl ketone			Not detected	3.34	Not detected	3.34
Methyl Ethyl ketone			Not detected	3.34	Not detected	3.34
Methyl Isobutyl ketone			Not detected	3.34	Not detected	3.34
Methylene Chloride			3.7 B	3.34	8.6 B	3.34
MTBE			Not detected	3.34	Not detected	3.34
n-Heptane			250	3.34	12	3.34
n-Hexane			6.6	3.34	Not detected	3.34
o-Xylene			Not detected	3.34	Not detected	3.34
p- & m-Xylenes			4.4	3.34	3.5	3.34
Propylene			5.9	3.34	89	3.34
Styrene			Not detected	3.34	Not detected	3.34
Tetrachloroethylene			Not detected	3.34	Not detected	3.34
Tetrahydrofuran			Not detected	3.34	Not detected	3.34
Toluene			210	3.34	23	3.34
trans-1,2-Dichloroethylene			Not detected	3.34	Not detected	3.34
trans-1,3-Dichloropropylene			Not detected	3.34	Not detected	3.34
Trichloroethylene			Not detected	3.34	Not detected	3.34
Trichlorofluoromethane			Not detected	3.34	Not detected	3.34
Vinyl acetate			Not detected	3.34	Not detected	3.34
Vinyl Bromide			Not detected	3.34	Not detected	3.34
Vinyl Chloride			Not detected	3.34	Not detected	3.34
Volatile Organics, TO-15 List	EPA TO15	ug/cu.m.	---	---	---	---
1,1,1-Trichloroethane			Not detected	13.9	Not detected	13.9
1,1,2,2-tetrachloroethane			Not detected	17.5	Not detected	17.5
1,1,2-Trichloroethane			Not detected	13.9	Not detected	13.9
1,1-Dichloroethane			Not detected	13.7	Not detected	13.7
1,1-Dichloroethylene			Not detected	13.5	Not detected	13.5
1,2,4-Trichlorobenzene			Not detected	17.2	Not detected	17.2
1,2,4-Trimethylbenzene			Not detected	12.5	Not detected	12.5
1,2-Dibromoethane			Not detected	19.5	Not detected	19.5
1,2-Dichlorobenzene			Not detected	15.4	Not detected	15.4
1,2-Dichloroethane			Not detected	10.3	Not detected	10.3
1,2-Dichloropropane			Not detected	11.8	Not detected	11.8
1,2-Dichlorotetrafluoroethane			Not detected	16.7	Not detected	16.7
1,3,5-Trimethylbenzene			Not detected	12.5	Not detected	12.5
1,3-Butadiene			Not detected	5.67	Not detected	5.67
1,3-Dichlorobenzene			Not detected	15.4	Not detected	15.4
1,4-Dichlorobenzene			Not detected	15.4	Not detected	15.4
1,4-Dioxane			Not detected	9.18	Not detected	9.18
2,2,4-Trimethylpentane			Not detected	11.8	Not detected	11.8
4-Ethyltoluene			19.0	12.5	Not detected	12.5
Acetone			60.4	6.01	114	6.01
Allyl Chloride			Not detected	8.01	Not detected	8.01

YORK

Client Sample ID			SG-9 (2')		SG-9 (6')	
York Sample ID			05120166-03		05120166-04	
Matrix			AIR		AIR	
Parameter	Method	Units	Results	MDL	Results	MDL
Benzene			Not detected	8.18	11.1	8.18
Benzyl Chloride			Not detected	16.9	Not detected	16.9
Bromodichloromethane			Not detected	17.0	Not detected	17.0
Bromoform			Not detected	26.4	Not detected	26.4
Bromomethane			Not detected	13.2	Not detected	13.2
Carbon Disulfide			Not detected	8.01	Not detected	8.01
Carbon Tetrachloride			Not detected	16.0	Not detected	16.0
Chlorobenzene			Not detected	11.7	Not detected	11.7
Chloroethane			Not detected	9.01	Not detected	9.01
Chloroform			Not detected	12.4	Not detected	12.4
Chloromethane			Not detected	7.01	Not detected	7.01
cis-1,2-Dichloroethylene			Not detected	13.5	Not detected	13.5
cis-1,3-Dichloropropylene			Not detected	11.5	Not detected	11.5
Cyclohexane			Not detected	8.85	Not detected	8.85
Dibromochloromethane			Not detected	21.7	Not detected	21.7
Dichlorodifluoromethane			Not detected	16.9	Not detected	16.9
Ethyl acetate			Not detected	9.35	Not detected	9.35
Ethylbenzene			Not detected	11.0	Not detected	11.0
Freon-113			Not detected	26.0	Not detected	26.0
Hexachloro-1,3-Butadiene			68.7 B	19.0	64.4 B	19.0
Isopropanol			Not detected	6.18	Not detected	6.18
Methyl Butyl ketone			Not detected	10.3	Not detected	10.3
Methyl Ethyl ketone			Not detected	7.51	Not detected	7.51
Methyl Isobutyl ketone			Not detected	10.5	Not detected	10.5
Methylene Chloride			13.1 B	11.8	30.4 B	11.8
MTBE			Not detected	9.18	Not detected	9.18
n-Heptane			1040	10.3	49.9	10.3
n-Hexane			23.6	9.01	Not detected	9.01
o-Xylene			Not detected	11.0	Not detected	11.0
p- & m-Xylenes			19.4	11.0	15.5	11.0
Propylene			10.3	4.34	155	4.34
Styrene			Not detected	10.8	Not detected	10.8
Tetrachloroethylene			Not detected	17.2	Not detected	17.2
Tetrahydrofuran			Not detected	7.51	Not detected	7.51
Toluene			805	9.51	88.2	9.51
trans-1,2-Dichloroethylene			Not detected	10.0	Not detected	10.0
trans-1,3-Dichloropropylene			Not detected	11.5	Not detected	11.5
Trichloroethylene			Not detected	13.7	Not detected	13.7
Trichlorofluoromethane			Not detected	19.0	Not detected	19.0
Vinyl acetate			Not detected	9.01	Not detected	9.01
Vinyl Bromide			Not detected	11.2	Not detected	11.2
Vinyl Chloride			Not detected	8.68	Not detected	8.68

YORK

Client Sample ID			SG-9D (2')		SG-7 (2')	
York Sample ID			05120166-05		05120166-06	
Matrix			AIR		AIR	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatile Organics, TO-15 List	EPA TO15	ppbv	---	---	---	---
1,1,1-Trichloroethane			Not detected	3.34	Not detected	3.36
1,1,2,2-tetrachloroethane			Not detected	3.34	Not detected	3.36
1,1,2-Trichloroethane			Not detected	3.34	Not detected	3.36
1,1-Dichloroethane			Not detected	3.34	Not detected	3.36
1,1-Dichloroethylene			Not detected	3.34	Not detected	3.36
1,2,4-Trichlorobenzene			Not detected	3.34	Not detected	3.36
1,2,4-Trimethylbenzene			Not detected	3.34	Not detected	3.36
1,2-Dibromoethane			Not detected	3.34	Not detected	3.36
1,2-Dichlorobenzene			Not detected	3.34	Not detected	3.36
1,2-Dichloroethane			Not detected	3.34	Not detected	3.36
1,2-Dichloropropane			Not detected	3.34	Not detected	3.36
1,2-Dichlorotetrafluoroethane			Not detected	3.34	Not detected	3.36
1,3,5-Trimethylbenzene			Not detected	3.34	Not detected	3.36
1,3-Butadiene			Not detected	3.34	Not detected	3.36
1,3-Dichlorobenzene			Not detected	3.34	Not detected	3.36
1,4-Dichlorobenzene			Not detected	3.34	Not detected	3.36
1,4-Dioxane			Not detected	3.34	Not detected	3.36
2,2,4-Trimethylpentane			Not detected	3.34	Not detected	3.36
4-Ethyltoluene			Not detected	3.34	4.8	3.36
Acetone			28	3.34	40	3.36
Allyl Chloride			Not detected	3.34	Not detected	3.36
Benzene			Not detected	3.34	Not detected	3.36
Benzyl Chloride			Not detected	3.34	Not detected	3.36
Bromodichloromethane			Not detected	3.34	Not detected	3.36
Bromoform			Not detected	3.34	Not detected	3.36
Bromomethane			Not detected	3.34	Not detected	3.36
Carbon Disulfide			Not detected	3.34	Not detected	3.36
Carbon Tetrachloride			Not detected	3.34	Not detected	3.36
Chlorobenzene			Not detected	3.34	Not detected	3.36
Chloroethane			Not detected	3.34	Not detected	3.36
Chloroform			Not detected	3.34	Not detected	3.36
Chloromethane			Not detected	3.34	Not detected	3.36
cis-1,2-Dichloroethylene			Not detected	3.34	Not detected	3.36
cis-1,3-Dichloropropylene			Not detected	3.34	Not detected	3.36
Cyclohexane			11	3.34	Not detected	3.36
Dibromochloromethane			Not detected	3.34	Not detected	3.36
Dichlorodifluoromethane			Not detected	3.34	Not detected	3.36
Ethyl acetate			Not detected	3.34	Not detected	3.36
Ethylbenzene			Not detected	3.34	Not detected	3.36
Freon-113			Not detected	3.34	Not detected	3.36
Hexachloro-1,3-Butadiene			5.1 B	3.34	6.5 B	3.36
Isopropanol			Not detected	3.34	Not detected	3.36
Methyl Butyl ketone			Not detected	3.34	Not detected	3.36
Methyl Ethyl ketone			Not detected	3.34	Not detected	3.36
Methyl Isobutyl ketone			Not detected	3.34	Not detected	3.36
Methylene Chloride			5.0 B	3.34	4.0 B	3.36
MTBE			Not detected	3.34	Not detected	3.36
n-Heptane			180	3.34	Not detected	3.36
n-Hexane			Not detected	3.34	Not detected	3.36

YORK

Client Sample ID			SG-9D (2')		SG-7 (2')	
York Sample ID			05120166-05		05120166-06	
Matrix			AIR		AIR	
Parameter	Method	Units	Results	MDL	Results	MDL
o-Xylene			Not detected	3.34	Not detected	3.36
p- & m-Xylenes			3.6	3.34	5.7	3.36
Propylene			3.9	3.34	11	3.36
Styrene			Not detected	3.34	Not detected	3.36
Tetrachloroethylene			Not detected	3.34	Not detected	3.36
Tetrahydrofuran			Not detected	3.34	Not detected	3.36
Toluene			160	3.34	26	3.36
trans-1,2-Dichloroethylene			Not detected	3.34	Not detected	3.36
trans-1,3-Dichloropropylene			Not detected	3.34	Not detected	3.36
Trichloroethylene			Not detected	3.34	Not detected	3.36
Trichlorofluoromethane			Not detected	3.34	Not detected	3.36
Vinyl acetate			Not detected	3.34	Not detected	3.36
Vinyl Bromide			Not detected	3.34	Not detected	3.36
Vinyl Chloride			Not detected	3.34	Not detected	3.36
Volatile Organics, TO-15 List	EPA TO15	ug/cu.m.	---	---	---	---
1,1,1-Trichloroethane			Not detected	13.9	Not detected	13.9
1,1,2,2-tetrachloroethane			Not detected	17.5	Not detected	17.6
1,1,2-Trichloroethane			Not detected	13.9	Not detected	13.9
1,1-Dichloroethane			Not detected	13.7	Not detected	13.8
1,1-Dichloroethylene			Not detected	13.5	Not detected	13.6
1,2,4-Trichlorobenzene			Not detected	17.2	Not detected	17.3
1,2,4-Trimethylbenzene			Not detected	12.5	Not detected	12.6
1,2-Dibromoethane			Not detected	19.5	Not detected	19.7
1,2-Dichlorobenzene			Not detected	15.4	Not detected	15.5
1,2-Dichloroethane			Not detected	10.3	Not detected	10.4
1,2-Dichloropropane			Not detected	11.8	Not detected	11.9
1,2-Dichlorotetrafluoroethane			Not detected	16.7	Not detected	16.8
1,3,5-Trimethylbenzene			Not detected	12.5	Not detected	12.6
1,3-Butadiene			Not detected	5.67	Not detected	5.71
1,3-Dichlorobenzene			Not detected	15.4	Not detected	15.5
1,4-Dichlorobenzene			Not detected	15.4	Not detected	15.5
1,4-Dioxane			Not detected	9.18	Not detected	9.24
2,2,4-Trimethylpentane			Not detected	11.8	Not detected	11.9
4-Ethyltoluene			Not detected	12.5	24.0	12.6
Acetone			Not detected	6.01	96.7	6.05
Allyl Chloride			Not detected	8.01	Not detected	8.06
Benzene			Not detected	8.18	Not detected	8.23
Benzyl Chloride			Not detected	16.9	Not detected	17.0
Bromodichloromethane			Not detected	17.0	Not detected	17.1
Bromoform			Not detected	26.4	Not detected	26.5
Bromomethane			Not detected	13.2	Not detected	13.3
Carbon Disulfide			Not detected	8.01	Not detected	8.06
Carbon Tetrachloride			Not detected	16.0	Not detected	16.1
Chlorobenzene			Not detected	11.7	Not detected	11.8
Chloroethane			Not detected	9.01	Not detected	9.07
Chloroform			Not detected	12.4	Not detected	12.4
Chloromethane			Not detected	7.01	Not detected	7.06
cis-1,2-Dichloroethylene			Not detected	13.5	Not detected	13.6
cis-1,3-Dichloropropylene			Not detected	11.5	Not detected	11.6
Cyclohexane			38.5	8.85	Not detected	8.90
Dibromochloromethane			Not detected	21.7	Not detected	21.8

YORK

Client Sample ID			SG-9D (2')		SG-7 (2')	
York Sample ID			05120166-05		05120166-06	
Matrix			AIR		AIR	
Parameter	Method	Units	Results	MDL	Results	MDL
Dichlorodifluoromethane			Not detected	16.9	Not detected	17.0
Ethyl acetate			Not detected	9.35	Not detected	9.41
Ethylbenzene			Not detected	11.0	Not detected	11.1
Freon-113			Not detected	26.0	Not detected	26.2
Hexachloro-1,3-Butadiene			54.5 B	19.0	69.8 B	19.2
Isopropanol			67.7	6.18	Not detected	6.22
Methyl Butyl ketone			Not detected	10.3	Not detected	10.4
Methyl Ethyl ketone			Not detected	7.51	Not detected	7.56
Methyl Isobutyl ketone			Not detected	10.5	Not detected	10.6
Methylene Chloride			17.7 B	11.8	14.1 B	11.9
MTBE			Not detected	9.18	Not detected	9.24
n-Heptane			749	10.3	Not detected	10.4
n-Hexane			Not detected	9.01	Not detected	9.07
o-Xylene			Not detected	11.0	Not detected	11.1
p- & m-Xylenes			15.9	11.0	25.2	11.1
Propylene			6.81	4.34	19.2	4.37
Styrene			Not detected	10.8	Not detected	10.9
Tetrachloroethylene			Not detected	17.2	Not detected	17.3
Tetrahydrofuran			Not detected	7.51	Not detected	7.56
Toluene			610	9.51	99.7	9.58
trans-1,2-Dichloroethylene			Not detected	10.0	Not detected	10.1
trans-1,3-Dichloropropylene			Not detected	11.5	Not detected	11.6
Trichloroethylene			Not detected	13.7	Not detected	13.8
Trichlorofluoromethane			Not detected	19.0	Not detected	19.2
Vinyl acetate			Not detected	9.01	Not detected	9.07
Vinyl Bromide			Not detected	11.2	Not detected	11.3
Vinyl Chloride			Not detected	8.68	Not detected	8.74

Client Sample ID			SG-7 (6')	
York Sample ID			05120166-07	
Matrix			AIR	
Parameter	Method	Units	Results	MDL
Volatile Organics, TO-15 List	EPA TO15	ppbv	---	---
1,1,1-Trichloroethane			Not detected	3.32
1,1,2,2-tetrachloroethane			Not detected	3.32
1,1,2-Trichloroethane			Not detected	3.32
1,1-Dichloroethane			Not detected	3.32
1,1-Dichloroethylene			Not detected	3.32
1,2,4-Trichlorobenzene			Not detected	3.32
1,2,4-Trimethylbenzene			Not detected	3.32
1,2-Dibromoethane			Not detected	3.32
1,2-Dichlorobenzene			Not detected	3.32
1,2-Dichloroethane			Not detected	3.32
1,2-Dichloropropane			Not detected	3.32
1,2-Dichlorotetrafluoroethane			Not detected	3.32
1,3,5-Trimethylbenzene			Not detected	3.32
1,3-Butadiene			6.4	3.32
1,3-Dichlorobenzene			Not detected	3.32
1,4-Dichlorobenzene			Not detected	3.32

YORK

Client Sample ID			SG-7 (6')	
York Sample ID			05120166-07	
Matrix			AIR	
Parameter	**Method**	**Units**	**Results**	**MDL**
1,4-Dioxane			Not detected	3.32
2,2,4-Trimethylpentane			Not detected	3.32
4-Ethyltoluene			9.5	3.32
Acetone			55	3.32
Allyl Chloride			Not detected	3.32
Benzene			6.6	3.32
Benzyl Chloride			Not detected	3.32
Bromodichloromethane			Not detected	3.32
Bromoform			Not detected	3.32
Bromomethane			Not detected	3.32
Carbon Disulfide			Not detected	3.32
Carbon Tetrachloride			Not detected	3.32
Chlorobenzene			Not detected	3.32
Chloroethane			Not detected	3.32
Chloroform			Not detected	3.32
Chloromethane			Not detected	3.32
cis-1,2-Dichloroethylene			Not detected	3.32
cis-1,3-Dichloropropylene			Not detected	3.32
Cyclohexane			Not detected	3.32
Dibromochloromethane			Not detected	3.32
Dichlorodifluoromethane			Not detected	3.32
Ethyl acetate			Not detected	3.32
Ethylbenzene			3.7	3.32
Freon-113			Not detected	3.32
Hexachloro-1,3-Butadiene			7.2 B	3.32
Isopropanol			Not detected	3.32
Methyl Butyl ketone			Not detected	3.32
Methyl Ethyl ketone			Not detected	3.32
Methyl Isobutyl ketone			Not detected	3.32
Methylene Chloride			3.7 B	3.32
MTBE			Not detected	3.32
n-Heptane			Not detected	3.32
n-Hexane			Not detected	3.32
o-Xylene			4.1	3.32
p- & m-Xylenes			8.0	3.32
Propylene			85	3.32
Styrene			Not detected	3.32
Tetrachloroethylene			Not detected	3.32
Tetrahydrofuran			Not detected	3.32
Toluene			26	3.32
trans-1,2-Dichloroethylene			Not detected	3.32
trans-1,3-Dichloropropylene			Not detected	3.32
Trichloroethylene			Not detected	3.32
Trichlorofluoromethane			Not detected	3.32
Vinyl acetate			Not detected	3.32
Vinyl Bromide			Not detected	3.32
Vinyl Chloride			Not detected	3.32

YORK

Client Sample ID			SG-7 (6')	
York Sample ID			05120166-07	
Matrix			AIR	
Parameter	Method	Units	Results	MDL
Volatile Organics, TO-15 List	EPA TO15	ug/cu.m.	---	---
1,1,1-Trichloroethane			Not detected	13.8
1,1,2,2-tetrachloroethane			Not detected	17.4
1,1,2-Trichloroethane			Not detected	13.8
1,1-Dichloroethane			Not detected	13.6
1,1-Dichloroethylene			Not detected	13.4
1,2,4-Trichlorobenzene			Not detected	17.1
1,2,4-Trimethylbenzene			Not detected	12.4
1,2-Dibromoethane			Not detected	19.4
1,2-Dichlorobenzene			Not detected	15.3
1,2-Dichloroethane			Not detected	10.3
1,2-Dichloropropane			Not detected	11.8
1,2-Dichlorotetrafluoroethane			Not detected	16.6
1,3,5-Trimethylbenzene			Not detected	12.4
1,3-Butadiene			14.4	5.64
1,3-Dichlorobenzene			Not detected	15.3
1,4-Dichlorobenzene			Not detected	15.3
1,4-Dioxane			Not detected	9.12
2,2,4-Trimethylpentane			Not detected	11.8
4-Ethyltoluene			47.4	12.4
Acetone			133	5.97
Allyl Chloride			Not detected	7.96
Benzene			21.4	8.12
Benzyl Chloride			Not detected	16.7
Bromodichloromethane			Not detected	16.9
Bromoform			Not detected	26.2
Bromomethane			Not detected	13.1
Carbon Disulfide			Not detected	7.96
Carbon Tetrachloride			Not detected	15.9
Chlorobenzene			Not detected	11.6
Chloroethane			Not detected	8.95
Chloroform			Not detected	12.3
Chloromethane			Not detected	6.96
cis-1,2-Dichloroethylene			Not detected	13.4
cis-1,3-Dichloropropylene			Not detected	11.4
Cyclohexane			Not detected	8.79
Dibromochloromethane			Not detected	21.6
Dichlorodifluoromethane			Not detected	16.7
Ethyl acetate			Not detected	9.28
Ethylbenzene			16.3	10.9
Freon-113			Not detected	25.9
Hexachloro-1,3-Butadiene			77.3 B	18.9
Isopropanol			Not detected	6.13
Methyl Butyl ketone			Not detected	10.3
Methyl Ethyl ketone			Not detected	7.46
Methyl Isobutyl ketone			Not detected	10.4
Methylene Chloride			13.1 B	11.8
MTBE			Not detected	9.12
n-Heptane			Not detected	10.3
n-Hexane			Not detected	8.95

YORK

Client Sample ID			SG-7 (6')	
York Sample ID			05120166-07	
Matrix			AIR	
Parameter	Method	Units	Results	MDL
o-Xylene			18.1	10.9
p- & m-Xylenes			35.3	10.9
Propylene			149	4.31
Styrene			Not detected	10.8
Tetrachloroethylene			Not detected	17.1
Tetrahydrofuran			Not detected	7.46
Toluene			99.7	9.45
trans-1,2-Dichloroethylene			Not detected	9.95
trans-1,3-Dichloropropylene			Not detected	11.4
Trichloroethylene			Not detected	13.6
Trichlorofluoromethane			Not detected	18.9
Vinyl acetate			Not detected	8.95
Vinyl Bromide			Not detected	11.1
Vinyl Chloride			Not detected	8.62

Units Key: For Waters/Liquids: mg/L = ppm ; ug/L = ppb For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

Notes for York Project No. 05120166

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By: Robert Q. Bradley
Managing Director

Date: 12/14/2005

YORK

YORK
ANALYTICAL LABORATORIES, INC.

Definitions for FLAGS used as a Results Suffix

Flags are sometimes used on results to indicate certain occurrences during the analysis process. The most common flags used by York are defined below.

FLAG	DEFINITION
J	J indicates an estimated value. This flag applies to Tentatively Identified Compounds or, when requested, for a target compound whose result is less than the reporting limit but whose mass spectral data meet identification criteria. For example if the reporting limit is listed as 10 ppb and the analysis shows 3 ppb, the result can be reported as 3 J. The client must request the use of J flags for the laboratory to report such flags.
B	B indicates that the analyte was also found in the associated batch method blank. This flag indicates possible/probable blank contamination and warns the data user to be aware. This mostly applies to the volatiles acetone and methylene chloride and the semi-volatiles bis-(2-ethylhexyl) phthalate and other phthalates.
E	This flag is used to indicate that the reported concentration of an analyte exceeded the calibration range of the analytical system. In this case the result reported is treated as a minimum value. This often applies where clients request an additional analyte after sample analysis, such as acetone, where the initial analysis did not require dilution since acetone was not a target compound. This flag will also apply if after numerous dilutions a specific target compound would significantly dilute out all other targets.
A	This flag indicates that the compound is a known artifact present in the sample. This flag typically refers to compounds detected in AIR samples taken into Tedlar bags. These compounds are either from the manufacturing process or, since Tedlar bags are somewhat permeable, they are subject to intrusion of common laboratory solvents such as acetone, methylene chloride, hexane and Freon-113.

120 RESEARCH DRIVE STRATFORD, CT 06615 (203) 325-1371 FAX (203) 357-0166

YORK
ANALYTICAL LABORATORIES, INC.
120 RESEARCH DRIVE
STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

05120166.

Company Name	Report To:	Invoice To:	Project ID/No.	Samples Collected By (Signature) / Name (Printed)
FPM Group	John Bukoski	same	Win-Holt 562-05-08	John S Bukoski / John Bukoski

Sample No.	Location/ID	Date Sampled	Sample Matrix: Water	Soil	Air	OTHER	ANALYSES REQUESTED	Container Description(s)
1	SG-8 (2')	12/2/05			✓		VOCs TO-15	Summa Canister
2	SG-8 (6')	↓			✓		↓	↓
3	SG-9 (2')	↓			✓		↓	↓
4	SG-9 (6')	↓			✓		↓	↓
5	SG-9D (2')	↓			✓		↓	↓
6	SG-7 (2')	↓			✓		↓	↓
7	SG-7 (6')	↓			✓		↓	↓
8	TRIP BLANK	↓			✓		↓	↓

Note: Trip Blank sample not applicable - was not pre-filled from lab. Do not run, as per Stephanie Davis 12/6/05 1:35 PM

Chain-of-Custody Record

Bottles Relinquished from Lab by	Date/Time	Sample Relinquished by	Date/Time	Sample Received by	Date/Time
		John S Bukoski	12/05/05 1215	[signature]	12/5/05
Bottles Received in Field by	**Date/Time**	**Sample Relinquished by**	**Date/Time**	**Sample Received in LAB by**	**Date/Time**
				[signature]	12/5 3P

Comments/Special Instructions: ASP CATEGORY B Deliverables

Turn-Around Time: X Standard ___ RUSH(define)___

ATTACHMENT C

HRC DESIGN CALCULATIONS

FPM

HRC Design Software for Barrier Treatment

August 2004

Regenesis Technical Support: USA (949) 366-8000 www.regenesis.com

Site Name:
Location:
Consultant:

Site Conceptual Model/Extent of Plume Requiring Remediation

Length of Barrier (intersecting gw flow direction)	100	ft		
Depth to contaminated zone	24	ft		
Thickness of contaminated saturated zone	10	ft		
Aquifer soil type (gravel, sand, silty sand, silt, clay, etc.)	silty sand			
Effective porosity	0.2			
Hydraulic conductivity	10	ft/day	3.5E-03	cm/sec
Hydraulic gradient	0.005	ft/ft		
Seepage velocity	91.3	ft/yr	0.250	ft/day

Dissolved Phase Electron Donor Demand

	Contaminant Conc (mg/L)	Contaminant Mass (lb/yr)	Stoichiometry cont/H_2 (wt/wt)
Tetrachloroethene (PCE)	0.00	0.00	20.7
Trichloroethene (TCE)	0.00	0.00	21.9
cis-1,2-dichloroethene (DCE)	0.00	0.00	24.2
Vinyl Chloride (VC)	0.00	0.00	31.2
1,1,1-Trichloroethane (TCA)	0.75	0.85	22.2
1,1-Dichlorochloroethane (DCA)	0.01	0.01	24.7
User added, also add stoichiometric demand (see pull-down)	0.00	0.00	0.0
User added, also add stoichiometric demand (see pull-down)	0.00	0.00	0.0

carbon tetrachloride **<- pull-down menu**

Competing Electron Acceptors:

	CEA Conc (mg/L)	CEA Mass (lb/yr)	Stoich. (wt/wt) e^- acceptor/H_2
Oxygen Demand	5.00	5.69	8.0
Nitrate Demand	5.00	5.69	12.4
Bioavailable Manganese Demand	5.00	5.69	27.5
Bioavailable Iron Demand	25.00	28.46	55.9
Sulfate Demand	50.00	56.92	12.0

Microbial Demand Factor	3	Recommend 1-4x
Safety Factor	2	Recommend 1-4x
Lifespan for one application	1	Year(s)

Injection Spacing and Dose:

Number of rows in barrier	1	rows
Spacing within rows	13	ft on center
Effective spacing perpendicular to flow (ft)	13.0	
Total number of HRC injection locations	8	points
Minimum required HRC application rate (lb/ft)	7.6	

Project Summary

Number of HRC delivery points (adjust as necessary for site)			8
HRC application rate in lbs/ft (adjust as necessary for site)			5.5
Corresponding amount of HRC per point (lb)			55
Number of 30 lb HRC Buckets per injection point			1.8
Total Number of 30 lb Buckets			15
Total Amt of HRC (lb)			450
HRC Cost		$	8.00
Total Material Cost		**$**	**3,600**
Shipping and Tax Estimates in US Dollars			
Sales Tax	rate: 0.00%	$	-
Total Material Cost		$	3,600
Shipping of HRC (call for quote)		$	-
Total Regenesis Material Cost		**$**	**3,600**

HRC Installation Cost Estimate (responsibility of customer to contract work)

Length of each injection point (ft)		34
Total length for direct push for project (ft)		272
Estimated daily installation rate (ft per day: 300 for push, 150 for drilling)		300
Estimated points per day (10 to 30 is typical for direct push)		8.8
Required number of days		1
Mobilization/demobilization cost for injection subcontractor	$	400
Daily rate for injection subcontractor ($1-2K for push, $3-4K for drill rig)	$	1,500
Total injection subcontrator cost for application	$	1,900
Total Installation Cost (not including consultant, lab, etc.)	**$**	**5,500**

Other Project Costs

Design and Regulatory Issues	$	-
Groundwater monitoring and reporting	$	-
Other	$	-
Other	$	-
Other	$	-
Other	$	-
Other	$	-
Other	$	-
Other	$	-
Total Project Cost	**$**	**5,500**

HRC Design Software for Plume Area/Grid Treatment

August 2004

Regenesis Technical Support: USA (949) 366-8000 www.regenesis.com

Site Name:
Location:
Consultant:

Site Conceptual Model/Extent of Plume Requiring Remediation

Width of plume (intersecting gw flow direction)	50	ft		
Length of plume (parallel to gw flow direction)	120	ft	6,000	ft^2
Depth to contaminated zone	24	ft		
Thickness of contaminated saturated zone	10	ft		
Nominal aquifer soil (gravel, sand, silty sand, silt, clay, etc.)	silty sand			
Total porosity	0.33	Effective porosity:	0.2	
Hydraulic conductivity	25	ft/day	8.8E-03	cm/sec
Hydraulic gradient	0.0015	ft/ft		
Seepage velocity	68.4	ft/yr	0.188	ft/day
Treatment Zone Pore Volume	19,800	ft^3	148,124	gallons

Dissolved Phase Electron Donor Demand	Contaminant Conc (mg/L)	Contaminant Mass (lb)	Stoichiometry cont/H_2 (wt/wt)
Tetrachloroethene (PCE)	0.00	0.0	20.7
Trichloroethene (TCE)	0.00	0.0	21.9
cis-1,2-dichloroethene (DCE)	0.00	0.0	24.2
Vinyl Chloride (VC)	0.00	0.0	31.2
1,1,1-Trichloroethane (TCA)	0.75	0.9	22.2
1,1-Dichlorochloroethane (DCA)	0.01	0.0	24.7
User added, also add stoich. demand and Koc (see pull-dowr	0.00	0.0	0.0
User added, also add stoich. demand and Koc (see pull-dowr	0.00	0.0	0.0

<- pull-down menu

Sorbed Phase (SP) Electron Donor Demand

Soil bulk density	1.76	g/cm^3 =	110	lb/cf
Fraction of organic carbon (foc)	0.003	range: 0.0001 to 0.01		

(Values are estimated using SP = foc*Koc*Cgw) (Adjust Koc as necessary to provide realistic estimates)	Koc (L/kg)	Contaminant Conc (mg/kg)	Contaminant Mass (lb)	Stoichiometry cont/H_2 (wt/wt)
Tetrachloroethene (PCE)	371	0.00	0.0	20.7
Trichloroethene (TCE)	122	0.00	0.0	21.9
cis-1,2-dichloroethene (DCE)	80	0.00	0.0	24.2
Vinyl Chloride (VC)	2.5	0.00	0.0	31.2
1,1,1-Trichloroethane (TCA)	304	0.68	4.5	22.2
1,1-Dichlorochloroethane (DCA)	33	0.00	0.0	24.7
User added, also add stoich. demand and Koc (see pull-dowr	0	0.00	0.0	0.0
User added, also add stoich. demand and Koc (see pull-dowr	0	0.00	0.0	0.0

Competing Electron Acceptors (CEAs)	CEA Conc (mg/L)	CEA Mass (lb)	Stoich. (wt/wt) e$^-$ acceptor/H_2
Oxygen Demand	5.00	6	8.0
Nitrate Demand	5.00	6	12.4
Bioavailable Manganese Demand	5.00	6	27.5
Bioavailable Iron Demand	25.00	31	55.9
Sulfate Demand	50.00	62	12.0

Microbial Demand Factor	3	Recommend 1-4x
Safety Factor	2	Recommend 1-4x

Injection Point Spacing and Application Rate:

Injection spacing within rows (ft)	10.0	# points per row:	5
Injection spacing between rows (ft)	10.0	# of rows:	12
Advective travel time between rows (days)	53	Total # of points:	60
		Min. required HRC application rate (lb/ft)	4.0 <-Minumum Dose

Project Summary			
Number of HRC delivery points (adjust as necessary for site)			8
HRC application rate in lbs/ft (adjust as necessary for site)			6.0 <-Minumum Dose Override
Corresponding amount of HRC per point (lb)			60
Number of 30 lb HRC buckets per injection point			2.0
Total number of 30 lb buckets			16
Total amount of HRC (lb)			480
HRC cost		$	8.00
Total Material Cost		**$**	**3,840**
Shipping and Tax Estimates in US Dollars			
Sales tax	rate: 0.00%	$	-
Total material cost		$	3,840
Shipping of HRC (call for quote)		$	-
Total Regenesis Material Cost		**$**	**3,840**

HRC Installation Cost Estimate (responsibility of customer to contract work)			Other Project Costs		
Length of each injection point (ft)		34	Design and regulatory issues	$	-
Total length for direct push for project (ft)		272	Groundwater monitoring and rpt	$	-
Est. daily installation rate (ft per day: 300 for push, 150 for drilling)		300	Other	$	-
Estimated points per day (10 to 30 is typical for direct push)		8.8	Other	$	-
Required number of days		1	Other	$	-
Mobilization/demobilization cost for injection subcontractor	$	400	Other	$	-
Daily rate for injection subcontractor ($1-2K for push, $3-4K for drill rig)	$	1,500	Other	$	-
Total injection subcontrator cost for application	$	1,900	Other	$	-
Total Install Cost (not including consultant, lab, etc.)	**$**	**5,740**	**Total Project Cost**	**$**	**5,740**