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Summary of Environmental Monitoring 2008

Tibbetts Road Site

Barrington, New Hampshire

SDMS DocID 462820

ARCADIS

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Tibbetts Road Site, Barrington, New Hampshire

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Our Ref.:
MA000725.0003.00306

Date:
January 2010

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ARCADIS

1. INTRODUCTION

ARCADIS U.S., Inc. (ARCADIS) conducted semi-annual groundwater monitoring events in May and November 2008 in accordance with the environmental monitoring program for the Tibbetts Road Site (Site), located in Barrington, New Hampshire. These events consisted of groundwater gauging and sampling of monitoring wells, extraction wells and injection wells.

The primary objectives of the environmental monitoring program are to determine the extent of impacted groundwater at the Site as remedial efforts proceed, obtain data to demonstrate compliance with the Interim Groundwater Cleanup Levels (ICLs) that have been established for the Site (United States Environmental Protection Agency [USEPA] 1992] and evaluate natural biodegradation. This report summarizes the field and laboratory analytical data, and presents a discussion of the results.

In addition, this report presents a revised Conceptual Site Model (CSM) based on available regional and site specific geologic, hydrogeologic data and other information. The CSM has been updated, in part, to address the "Recommendations and Follow-up Actions" proposed by the USEPA in the *Tibbetts Road Superfund Site, Second 5-Year Review* (2008) including: 1) the construction of a CSM to determine the location, mass, and flux of contaminants remaining in each area of the Site, and 2) evaluation of the potential for additional ground water withdrawals outside of the Swains Lake Village Water District to impact the migration of constituents of concern (COCs) remaining in bedrock. Additional USEPA recommendations, including an evaluation of the current monitoring network and determining appropriate clean-up dates for the Site will be addressed in future submittals.

2. REVISED CONCEPTUAL SITE MODEL

The Tibbetts Road site is located in southeastern New Hampshire, in the town of Barrington on Tibbetts Road located approximately 2 miles northeast of the junction of Route 2 and Hall Road (Site). The location of the Site is presented on Figure 1. The area is primarily rural and utilized for single family and seasonal residences. The Site consists of a two acre parcel located on a topographic high (approximately 330 feet above mean sea level [msl]) with land surface sloping to the southwest toward the Oyster Creek watershed and to the north-northeast toward Swains Lake and the Bellamy River watershed. Swains Lake, a popular recreation destination, is located approximately 1,000 feet north of the Site.

The elevation of the region generally ranges from 100 to 400 feet msl with higher elevations located to the west-northwest of the Site and the lower elevations located to the southeast. The regional topography is included on Figure 1. The general site layout, the surrounding area and the location of the existing monitoring wells is provided as Figure 2.

2.1 Regional Bedrock Geology

The Site is located within a geologic region known as the Merrimack Trough. A portion of the Bedrock Geologic Map of New Hampshire prepared by Lyons et al. (1997) is presented on Figure 3. The Merrimack trough is one of three distinct geologic terranes that were accreted to the continental margin during the mid-Paleozoic era approximately 440-350 million years (Ma) before present (Hon et al.). The other two terranes accreted to the continent include the Nashoba and the easternmost Avalon. All three of the terranes are oriented southwest-northeast and comprise the bulk of the rocks visible at the surface in southeastern New England. Following the accretion of the Merrimack terrane to the continent, it was deformed and metamorphosed during the Middle Devonian (~370-350 Ma) "Acadian" orogeny. The Acadian was believed to have been caused by the collision of the Avalon terrane from the east. This collision created the large-scale, west-directed folding and thrusting and also spurred the extensive metamorphism throughout central New England (Spear, et al. 2002). This west directed stress field is thought to be partially responsible for the northeast and northwest trending fractures that control groundwater flow at the Site.

The rocks within the Merrimack trough consist of a series of Ordovician to Devonian age (440-430 Ma) metasedimentary rocks that have been intruded by Acadian aged and younger intrusive plutons (Spear, et al. 2002). Underlying the Site, bedrock consists of a series known as the Berwick Formation. The origin of the Berwick Formation is of limey mud deposits from near coast marine environments (Walsh and Clark 1999). Following lithification, accretion, and subsequent deformation and metamorphism, the Berwick Formation today consists of heavily folded and fractured biotite-plagioclase-quartz granofels interbedded with schist and other calc-silicate rocks (Lyons et al. 1997).

2.2 Regional Faults and Fractures

The regional and local fault and fracture orientations of the Berwick Formation are oriented to the northeast-southwest and developed due to the west-directed stress field of the Acadian orogeny. Three mapped faults are visible on Figure 3 and include the

Cherry Hill Fault and Fire Hill Fault, trending northeast at N50E and N30E, respectively. The third fault consists of an unnamed fault located east of the Site and trending northeast at N05E.

In 1984, BCI Geonetics, Inc. mapped fractures at the outcrop scale in the vicinity of the Site. The survey revealed two “master” joint sets in the area at general orientations of N50W and N28E. A lesser fracture set is also present trending N75E. Fractures oriented northwest were described as the most numerous and are characterized as steeply dipping, open and continuous for tens of meters. Fractures oriented northeast were described as less numerous and often infilled with quartz.

The United States Geological Survey (USGS) has completed a bedrock geologic map of the Windham quadrangle located approximately 30 miles southwest of the Site (USGS Open-File Report 99-8). The Windham quadrangle is located within the Merrimack trough and primarily underlain by the Berwick Formation. The mapping of 29 “fracture zones” within the quadrangle did not indicate a preferred fracture zone orientation. The most common brittle structures in the area are generally steeply dipping, northwest striking joints.

2.3 Summary of Regional Hydrogeology

A regional hydrologic map showing groundwater elevation contours is presented as Figure 4. The groundwater elevation contours represent an interpolation based on topography and occurrences of surface water-groundwater discharge points identified on the Barrington, New Hampshire, USGS topographic map. Surface water occurrences generally include permanent lakes, streams, and wetlands. The intersection of a topographic contour line and a stream, river or other water body is interpreted as a hydraulic head data point that is used to interpolate between surrounding data points to construct a regional groundwater map interpretation. In addition, groundwater elevation data from the Site as well as from residential wells were used as calibration points for the interpreted groundwater contours.

The results of the regional groundwater contour mapping indicate that groundwater generally mimics the topography of the ground surface. On a regional scale, groundwater (as well as surface water) moves from the northwest to the southeast with as much as 200 feet of hydraulic head difference between the uplands west-northwest of the Site and the lower elevations located to the southeast. Locally, the Tibbetts Road Site is situated on a topographic high with apparent groundwater flow to the north-northeast toward Swains Lake and to the west-southwest toward headwaters of

the Oyster River. Groundwater mounding beneath topographic highs is likely due to the low bulk hydraulic conductivity of the bedrock aquifer as well as the overlying dense, clay-rich glacial sediments.

2.4 Surface Water Hydrology

Two major surface water bodies, Swains Lake and Mendum's Pond, are located in the vicinity of the Site. Mendum's Pond is located approximately 1.5 miles west-southwest of the Site and, shown on Figure 4, multiple groundwater divides (2) lie between the Pond and the Site. The closest major water body to the Site is Swains Lake, located approximately 1,000 feet north. Swains Lake covers an area of approximately 400 acres. The lake is three miles long and one mile wide at its widest point. Water level within Swains Lake is maintained by a dam at an outlet located on the southeastern end of the lake. The original dam was built in the early 1860's and then enlarged in 1890 by the American Woolen Company. The dam has since passed through several ownerships and is currently operated by the Town of Barrington. The dam is an earth and stone structure and the lake level is controlled by removing/inserting stop logs at the dam. Typically, the water level is lowered by approximately 22 to 26 inches in the fall, or when there is a danger of flooding due to heavy rains. The Swains Lake drains into the Bellamy River which feeds into the Bellamy Reservoir; used as the primary drinking water source for Portsmouth, New Hampshire. The surface elevation of Swains Lake is approximately 279 feet above msl (USGS Topographic Quadrangle, Barrington, New Hampshire) and likely fluctuates several feet seasonally and with operation of the dam. Upon exiting Swains Lake, the Bellamy River drops steeply before entering a wetland located at an elevation of approximately 210 feet msl.

2.5 Summary of Offsite Groundwater Pumping

Prior to approximately 1987, the bedrock aquifer was utilized as the primary drinking water source for area residences. Following the discovery in 1982 of volatile organic compounds in a sample taken from a residential well located near the Site, and the resulting Site investigations, a community water system was constructed to distribute drinking water to residences in the vicinity of the Site in 1987. The current Swains Lake Village Water District (SLWVD) system consists of a surface water intake at Swains Lake, a water treatment system and distribution lines to residences in the vicinity of the Site. The residences included in the water district are presented on Figure 5. Homes outside of the water district continue to utilize primarily bedrock wells as their primary source of drinking water. The SLVWD has expressed an interest in establishing a bedrock groundwater source to supply water to the SLVWD customers.

The proposed wells would be located on a parcel currently owned by the SLVWD adjacent to the existing treatment plant. The approximate location of the proposed wells is included on Figure 5.

A Freedom of Information Act Request was submitted to the New Hampshire Department of Environmental Services (NHDES) to obtain information available for area wells. NHDES provided a listing of wells within 1.5 miles of the Site on January 23, 2009. A table and Figure (A-1) summarizing the wells within 1.5 miles of the Site is included in Appendix A. The figure depicts wells on file with the NHDES that include location information, or are otherwise "geo-referenced".

Also included on Figure A-1 and Figure 4 are other potential sites that will utilize the bedrock aquifer as a drinking water resource. These sites include the proposed USA Springs water bottling plant located approximately 3 miles west of the Site (Figure 4) and the Sera Lane residential development located immediately southwest of the Site off Tibbetts Road.

The proposed USA Springs bottling plant, included on Figure 4, is located 3 miles west of the Site and separated from the Site by two groundwater divides. This distance coupled with the fact that the groundwater elevation at the USA Springs site is approximately 100 feet higher than at the Tibbetts Road suggests it is unlikely groundwater pumping at the proposed bottling plant will affect the distribution of contaminants on the Tibbetts Road property.

An 18-lot residential subdivision known as River's Edge is being developed on Sera Lane located to the south of the Site off of Tibbetts Road. The information received from NHDES noted three domestic wells were installed at on Sera Lane in 2008. A close-up of the development relative to the Site is included as Figure 6**.** Two of the wells are shown on the map; information for the third well did not provide adequate location data to place the well on the figure. A separate table summarizing the Sera Lane wells is included in Appendix A. The wells are finished as open borehole wells and cased to approximately 70 feet below grade with a total depth of approximately 300- 400 feet. Additional construction is on-going at Sera Lane and it is expected that additional domestic wells have been or will be installed.

2.6 Summary of Site Geology and Stratigraphy

Well installations and soil borings have been completed at the Site during various phases of work beginning in 1984 and continuing through the in-situ chemical oxidation

(ISCO) injection well installation in 2003 and 2006. Drilling methods and soil description convention have varied widely during this time period. In many logs, especially the bedrock well logs, soil descriptions of the overburden were not included or are summarized using non-descriptive terminology such as “glacial till”. Often, where overburden is described, it was not continuously sampled. Given these limitations, ARCADIS’ review of the available boring logs, geophysical logs, and sieve analysis suggests that several discernable hydrostratigraphic units are present in the overburden. The description of these units presented below differs from those described for the Site historically. Additional lithologic detail has been added as a refinement of the original CSM in an effort to better understand groundwater flow and movement of dissolved phase constituents beneath the Site. The subsurface units are designated as follows:

- Upper Till: This upper layer consists of a glacial ablation till typically observed in the top 15 feet of soil and mainly consist of unsorted sand that is typically yellowish to brown in color deposited during the last glacial retreat. Grain size analysis completed on a soil sample collected from the till (62S, 5-7 feet below grade) suggests the till consists of poorly sorted fine to coarse sand with less than 20% silt and clay. Based on the grain size results, hydraulic conductivity (K) of the till is likely on the order of 10^{-4} centimeters per second (cm/s).

- Glacial Outwash: These glacial outwash and melt water deposits are described as stratified silts and sands with little fines and minor lenses of gravel. The color is typically brown to grey. Lenses of lacustrine like sediments are found within this unit. Grain size analysis completed on a soil sample within this unit (58S 15-16’ below grade) suggests the outwash deposits consists of poorly sorted fine to coarse sand with 40 to 50% silt and clay and a corresponding K on the order of 10^{-6} cm/s.

- Lower Till: This unit consists of a very dense glacial lodgment till typically described as silt and clay with a component of gravel and coarse sand. This unit often contains thin sand seams. Typical K values for clayey tills range from 10^{-6} to 10^{-8} cm/sec.

- Weathered Bedrock: Weathered bedrock residuum are located immediately above bedrock and are thicker on the western portion of the Site than on the east. The weathered rock consists of gravel to boulder size fragments imbedded in a fine grained matrix with identifiable minerals weathered from

the bedrock. Grain size analysis completed on soil samples collected from this unit (60S 45-46' and 58S 39-39.5') suggests the weathered bedrock consists of poorly sorted fine to coarse sand with 40 to 50% silt and clay and a corresponding K on the order of 10^{-8} to 10^{-9}cm/s.

- Bedrock: Bedrock at the site has been described as salt and pepper in appearance with identifiable minerals described as quartz, mica (muscovite and biotite), white feldspars, garnet, and amphibole. Pegmatite layers have been noted on the boring logs and are evident on the downhole geophysical gamma logs. Lenses of mica rich schist have also been identified within the bedrock north of the Site (Well 78R). Packer pumping tests completed at shallow and deep intervals at wells 61R and 65R suggest bulk bedrock K is on the order of 10^{-4} cm/sec (USEPA 1986).

In general, the overburden material appears to become more dense, with higher clay content (and lower K) with depth. The upper 10-15 feet of unsorted glacial till, and has a much higher percentage of sand and gravel with occasional cobble to boulder sized material. There are transition zones between the outwash and lower till sediments and on top of competent bedrock that appear sandier in nature. The upper till (when saturated) and the transitional zones will be of higher permeability and able to transmit water more readily than the surrounding stratum. Groundwater will preferentially flow laterally within these higher permeability zones.

Based on these hydrostratigraphic units, three conceptual geologic cross-sections were constructed through the Site. The orientations of the cross-sections are presented on Figure 7. Cross-Section A-A' is included as Figure 8 and transects the Site generally from southwest to northeast. Section B-B' is presented as Figure 9 and transects the site from south to north. Section C-C' transects the site from west to east and is included as Figure 10. All of the sections transect former drum storage areas and depict many of the existing and abandoned monitoring wells. Also depicted on the cross-sections are locations of fractures noted within the bedrock wells. Site specific bedrock fracture data is discussed further in the following section.

Included on the cross-sections are the historical maximum and minimum observed water levels within the existing wells. Groundwater elevation can vary as much as 16 feet within select wells (76R and 67R) and typically varies by 6 to 10 feet across the Site. Groundwater elevation within overburden wells is typically higher than elevation within adjacent bedrock wells indicating a downward vertical gradient within the overburden. As shown on the cross-sections, bedrock is present at a higher

elevation in the northeast portion of the Site. A topographic map depicting the bedrock surface is included as Figure 11. The bedrock high located offsite to the northeast corresponds to a location where overburden is relatively thin. This area may allow for preferential vertical migration of groundwater from the overburden aquifer to the bedrock aquifer. Further details regarding groundwater flow and dissolved phase constituents beneath the Site are provided in Section 2.9. Cross-section B-B' illustrates the proximity and downgradient location of the Sera Lane residential wells. A residential well from the Sera Lane development is present on the south end of the cross-section. Information regarding the overburden is not available for this well; however the depth to bedrock information was incorporated into the cross section.

2.7 Fractures and Historical Pump Test Data

Numerous studies have been completed at the Tibbetts Road Site in an effort to characterize the nature of the fractured bedrock. These studies include the following:

- BCI Geonetics, 1984: Mapped bedrock fractures in outcrop near the Site and completed a regional lineament analysis.

- New Hampshire Water Supply and Pollution Control Commission (NHWSPCC) 1985: Completed a series of surficial geophysical surveys, bedrock monitoring well installation, bedrock well pump tests, and downhole geophysical surveys.

- USEPA, ERB (Posten et al). 1986: Provides hydrologic analysis of bedrock flow patterns based on straddle packer pump tests and borehole logs.

- USGS, 1991 Completed a series of surficial geophysical surveys to characterize the bedrock fracture system.

- USEPA, CDM Federal Programs Corporation 1992, Remedial Investigation (RI) Report, Provides a summary of Site investigations completed up to 1992 (including all of the above referenced studies).

As previously mentioned, fractures mapped by BCI at the outcrop scale suggest two "master" joint sets are present at average orientations of N28E and N50W. A lesser fracture set is also present at N75E. Fractures in these outcrops oriented northwest were most numerous, and characterized as steeply dipping, open and continuous for

tens of meters. Fractures oriented northeast were described as less numerous continuous and often filled with quartz. Analysis of a seismic geophysical data and direct current resistivity data (USGS 1992) suggests that east, northeast and north-northwest trending fracture sets are present beneath the Site.

Acoustic televiewer (ATV) logging was completed at several bedrock monitoring and residential well locations (1R, 2R, 4R, 5R, 6R, 8R, 21R32R, 33R, 34R, 59R, 61R, 63R, 65R and 67R) to provide oriented fracture data. The fracture data available for the Site is summarized in Appendix B and presented on Figure 12 in the form of rose diagrams that depict relative frequency of fracture strike at each borehole location. Note that the rose diagrams are based on a limited data set (N = between 6 and 16 fractures per borehole) and orientation data was not recorded for many of the fractures noted at each location. However, the rose diagrams as a whole suggest that although fractures are encountered beneath the Site in virtually all orientations, two main fracture sets provide pathways for groundwater flow in bedrock; a north-northwest trending set and a northeast trending set. Northeast trending fractures are noted at all ATV logged locations. The occurrence of the northeast trending fracture set is generally more numerous at wells located in the in the central portion of the Site and to the north and west of the Site (5R, 21R, 32R, 33R, 63R, 65R and 67R). The north-northwest trending fracture set appears to be more numerous in wells located around the southern boundary of the Site (1R, 2R, 34R, 59R and 61R).

Also presented on Figure 12 is the apparent relative interconnectedness of the bedrock wells derived from pumping test data. The 1984 NHWSPCC pumping test completed at well 61R generated drawdown in surrounding wells located 125 feet to the north and south (63R and 3R), 115 feet to the northeast (65R), and 70 feet to the east (67R). The northeast trending fracture set has been observed within these wells and occurs between 105 and 133 feet below grade surface (bgs) in 61R and 65R and between 115 and 165 feet bgs in Well 63R. At well 67R the fracture set is located shallower at approximately 85 feet bgs. These apparently connected northeast trending fractures strike between N15E and N40E with dips ranging between 19 and 66 degrees to the west.

During the pump test 61R was pumped at a rate of 17 gallons per minute and approximately 5.4 feet of drawdown was observed at Well 63R located “down-dip” of 61R and 2.2 feet of drawdown was observed at 67R located “up-dip” of well 61R. Coincidentally, although no fracture data is available for well 3R, 34 feet of drawdown was observed at this well located 130 feet south-southwest (approximately on strike) of Well 61R. At 59R, where the northeast trending, west-dipping fracture set is not noted,

drawdown was not observed during the 61R pumping test. However, drawdown was observed at 2R, also lacking northeast trending fractures and oriented in a similar direction from the pumping well; illustrating the anisotropy of the bedrock fractures beneath the Site.

Based on the available fracture data, the northeast trending fractures appear to be most common where the highest concentration of contaminants in bedrock are located; most notably to the north-northeast of the Site. In general, groundwater impacts have migrated from the remaining source area (northeast of the Site) to the northwest and elongate parallel to the northeast trending fracture set. Details regarding the distribution of soil and groundwater COCs are provided in the following sections.

2.8 Summary of Historical Source Areas

The former owner of the 216 Tibbetts Road property is believed to have transported drums of waste to the site in the 1940's and 1950's. The waste contained various combinations of volatile organic compounds (VOCs) including both chlorinated volatile organic compounds (CVOCs) and non-chlorinated volatile organic compounds (nCVOCs), semi-volatile organic compounds (SVOCs) and poly-chlorinated biphenyls (PCBs). The waste was used onsite as an accelerant to burn out cars for scrap and/or was otherwise stored onsite. Various dioxin isomers were created as a byproduct of combustion. The majority of the soil containing PCBs and dioxin was excavated as described below. The COCs remaining at the site include: acetone, benzene, toluene, ethylbenzene and xylene (BTEX), cis-1,2 -dichloroethene (DCE), trichloroethene (TCE), tetrachloroethene (PCE), vinyl chloride, methyl-isobutyl-ketone (MIBK), styrene, 1,1-trichloroethane, arsenic and manganese.

Following intervention by New Hampshire officials in 1982 and field screening of shallow soil completed by NHWSPCC in 1984, three primary drum storage areas (Drum Storage Areas A, B and C) were identified at the Site. The approximate location of the drum storage areas are presented on Figure 13. The NHWSPCC field screening was completed with a photoionization detector and the former drum storage areas presented on Figure 13 represent surficial soil screening results that indicated greater than 100 parts per million (ppm) total VOCs. Surficial grab samples collected from each of the drum storage areas suggest that the impacts within Area A consist primarily of BTEX and other aromatic compounds. Areas B and C included aromatics but also CVOC impacts; primarily TCE and PCE. The results of the grab samples are included on Figure 13.

Following a subsequent 1985 gridded soil sampling survey and the identification of dioxin and furans in near surface soil, the USEPA determined that soils in Areas B and C should be removed. In 1986 the USEPA excavated an area 60 X 40 X 6 feet from Area B and from an area 25 X15 X 6 feet from Area C. The relative sizes of the excavations are presented on Figure 13; however, the orientation and exact location of the excavated areas is unknown. Post-excavation sampling was conducted by USEPA in 1986, however the exact sampling depths and locations are not known. A follow-up soil sampling survey completed by CDM in 1990 suggests the excavations were successful at removing much of the VOCs within Areas B and C. Residual PCE and TCE were detected in near surface soils collected north and east of Area B (max PCE – 0.65 milligrams per kilogram (mg/Kg), TCE – 0.011 mg/Kg). Low concentrations of SVOCs were detected in samples collected near Area B, north of Area A and south of Area C. Low concentrations of PCBs were also detected in a sample west of Area B. All of the1990 SVOC and PCB results were qualified as “estimated” due to the low concentration or other “limitations” identified during the quality review (CDM 1992). Metals detected in soil at the site appear to be consistent with background concentrations published by various others (Dragun 1988, Fuller 1977, USGS 1985) as cited in the RI.

In 1996, Geraghty & Miller, Inc. completed six soil borings to characterize manganese and arsenic in soil at the Site. Approximately 40 samples were obtained from three areas identified as being located within the area of known impacts and three areas identified as being in areas considered to be unimpacted. The exact locations of the 1996 soil borings are unknown and many of the samples were collected below the water table. Arsenic concentrations ranged from 5.6 to 27 mg/Kg in the unimpacted areas and 2.6 to 17 mg/Kg in the impacted areas. Manganese concentrations ranged from 72 to 330 mg/Kg in the unimpacted areas and 33-320 mg/Kg in the impacted areas. One sample collected in 1991 outside of the Site boundaries to obtain background data detected manganese at a concentration of 94.6 mg/Kg and arsenic at a concentration of 18.5 mg/Kg.

In 1997, Geraghty & Miller, Inc. completed a soil gas survey in the in the vicinity of Well 51S. The soil gas survey did not identify VOCs in soil; however, groundwater samples collected from the soil gas sampling points confirmed that VOC impacted groundwater was present within the shallow overburden at this location. The location of these impacts along with the composition (primarily ethylbenzene, toluene and xylenes) is consistent with groundwater flow away from Drum Storage Area A. The approximate location of the soil gas survey is included on Figure 13.

In May 1998 the temporary asphalt cap that had been installed as part of the vacuum enhanced recovery (VER) system (discussed in Section 2.10.1) was removed and approximately 1,600 hybrid poplar trees were planted on the Site in 24 rows oriented northeast to southwest spaced at approximate 10 foot intervals. The intent of the Poplar trees is to reduce surface water infiltration at the Site and further enhance the natural biodegradation occurring at the site.. The extent of the poplar tree cover is included on Figure 13

2.9 Summary of Site Hydrogeology

A groundwater elevation contour map depicting overburden groundwater elevation in November 2008 is presented as Figure 14. Monitoring wells used to create this groundwater contour map were selected based on the depth of installation and the corresponding screened hydrostratigraphic units. In general, only wells installed within the upper till and glacial outwash deposits were used to construct the contour map. The groundwater elevations measured in May and November 2008 are summarized on Table 1. As shown of Figure 14, the groundwater elevation contours approximate the topography at the site with apparent groundwater flow to the northeast and west. A groundwater elevation was not collected at well 54S in November 2008; however, previous measurements at this location suggest a southerly component of groundwater flow as well. The radial flow and mounding beneath the topographic high is consistent with the regional groundwater flow characteristics outlined in Section 2.3.

A consistent downward vertical gradient is present between the overburden and the bedrock aquifer. The vertical gradient at the Site varies between an average of 0.02 (ft/ft) downward at 76R/77S located northeast of the Site to 0.12 (ft/ft) at 70S/103R in the northeast corner of the Site. Average vertical gradient at several overburden and bedrock well pairs is summarized on Table 2. The relatively high vertical gradient at the site suggests limited communication between the overburden and the bedrock aquifer. Due to the low hydraulic conductivity of the lower till and weathered bedrock units, groundwater will tend to flow laterally within the more permeable upper till and outwash deposits to areas where the lower till and weathered bedrock units are thin, fractured, or more permeable before flowing vertically into bedrock.

The current distribution of COCs in bedrock (discussed in more detail in Section 2.11.2) suggests that in the central and northeast portions of the Site, groundwater has migrated laterally from the former drum storage areas northeast to the area of the bedrock high. In this area (often referred to as the in-situ chemical oxidation or “ISCO area”) overburden is thin and groundwater apparently flows vertically from the

overburden aquifer into bedrock. This phenomenon has focused much of the remaining dissolved phase COCs into the bedrock at this location; creating the area with the highest concentration of COCs remaining at the Site. As outlined in Section 2.7, COCs in bedrock tend to migrate from this area to the northwest within fractures and elongate parallel to the dominant northeast trending fracture set.

2.10 Summary of Groundwater Remediation Completed to Date

Following the 1986 source removal activities at Drum Storage Areas B and C, remedial efforts have been made to address both the overburden and bedrock aquifer impacts at the Site.

2.10.1 Vacuum Enhanced Recovery System

Following the issue of the Remedial Investigation Report (CDM 1992), a Record of Decision for the site was signed on September 19, 1992 and a Consent Decree was signed on September 22, 1994. The Consent Decree included a scope of work prepared by Geraghty & Miller to address groundwater impacts within overburden at the Site. Following an investigation to better define the overburden groundwater impacts at the Site, three treatment cells were defined for the VER system. The treatment cells are presented on Figure 15. In 1995, approximately 2 acres of the Site was cleared, graded and paved. Following a pilot test in 1995, the system was upgraded in 1996 and operated seasonally until 2002. The VER system was periodically adjusted and cycled during operation to maximize mass removal rates from the three treatment cells. During the approximate six-year lifespan of the system, new extraction wells were added to the system while active extraction wells were taken off line due to diminishing mass removal rates.

The general system operational parameters and periods of active remediation are summarized on Table 3. The VER extraction system used a liquid ring pump (LRP) to simultaneously extract groundwater and vapors from the subsurface within the targeted treatment cells. The main components of the VER system were the LRP, an air/water separator, and granular active carbon (GAC) units for treatment of both recovered vapor and groundwater. In 2002, a submersible pump was added to the system to extract and treat groundwater from bedrock well 169R. As noted on Table 3, the system was not operational from June 1997 through June 1999. During this time the asphalt cap was removed and a phyto-cover was installed (described above).

2.10.2 In-situ Chemical Oxidation

In-situ chemical oxidation (ISCO) pilot tests were completed in November and December 2003 in the area of bedrock groundwater impacts located off the northeast corner of the Site. The location of the ISCO pilot test area is indicated on Figure 16. The second phase, consisting of two separate injection events, was completed in June and November 2006. Details regarding the first phase of the pilot test are provided in ARCADIS's May 2005 Interim Report. Details regarding the second phase and overall effectiveness of the pilot tests are provided in the May 6, 2008 Letter Report to USEPA.

In general, decreasing concentrations of COCs are observed within the area of the ISCO tests. Review of the contaminant trends within the ISCO area indicate that a significant portion of the decreasing trends exhibited in the monitoring wells is attributable to biological degradation, rather than direct chemical oxidation. The biological degradation reflects a geochemical shift toward oxidizing conditions, which would enable biodegradation utilizing alternate terminal electron acceptors such as iron and manganese. Although the ISCO has improved the biodegradation of non-target compounds (e.g., benzene, ethylbenzene, and xylenes), it was concluded that permanganate is not an effective oxidant for benzene thereby limiting its utility for further source mass reduction applications at the Site.

2.10.3 Monitored Natural Attenuation

A monitored natural attenuation study was completed by ARCADIS in December 2007 and summarized in the report entitled *Evaluation of Current Biogeochemical Conditions and Applicability of Monitored Natural Attenuation* (ARCADIS U.S., Inc. 2007a). The conclusions of the report were as follows: 1) the overall size of the CVOC and VOC impacted areas within the bedrock unit appear to be shrinking, and 2) decreasing trends are present in monitoring wells within and outside the central portion of the impacted areas suggesting that additional COC reduction towards ICLs will continue. Based on the presence of the degradation products DCE and vinyl chloride and relatively low concentrations of TCE within the source area, natural reductive dechlorination is occurring at the Site. In addition, as discussed above, biodegradation of benzene and other VOCs is also occurring at the Site. The reductive-dechlorination and biodegradation at the Site appears to be adequate to prevent significant downgradient migration of both CVOCs and VOCs.

In addition, arsenic and manganese is currently and has historically been detected at concentrations above the ICLs in groundwater in both bedrock and the overburden groundwater. Concentrations of manganese within the immediate areas of the ISCO injection wells are an artifact of the permanganate injections. Concentrations of manganese and arsenic outside of the injection area are likely related to increased solubilization of naturally occurring metals created by the slightly reducing conditions at the Site. It is not likely that the manganese and arsenic would migrate beyond the reducing conditions of the Site and it is expected that arsenic and manganese concentrations will decline as reducing conditions (redox) become more aerobic over time.

2.11 Summary of Constituents of Concern in Groundwater

Following the identification of leaking drums at the Site by New Hampshire officials in 1982, a monitoring program was established for residential wells in the vicinity of the Site. Between 1982 and 1987 a total of 11 residential bedrock wells were identified with VOC impacts. These wells (1R, 2R, 3R, 4R, 5R, 6R, 7R, 8R, 13R, 14R and 15R) are shown on Figure 17. The concentrations of VOCs detected at the 11 residential wells and the corresponding sampling dates are summarized on Table 4. As indicated on Table 4, the highest concentrations of VOCs (primarily benzene and TCE) were detected at wells 1R, 3R and 4R located southwest of Tibbetts Road, in 2R located on the south adjacent property, and in 5R located north of the Site. TCE was also detected in Wells 7R and 8R located on the north side of Hall Road approximately 1500 feet to the northeast of the Site. The remainder of the residential wells often had low or intermittent concentrations of VOCs that were qualified as “estimated” values, or had one-time detections of VOCs that were not verified during follow-up sampling surveys. In 1990-1991, some of the previously closed residential wells were re-accessed to allow for additional investigations and sampling. VOCs were detected at only two wells (1R and 5R) of the 13 residential wells sampled in 1990-1991.

2.11.1 Overburden Aquifer

The concentration of COCs within the overburden wells at the Site has decreased over time. This decrease is likely due to the combination of source removal, groundwater remediation activities, emplacement of the phyto-cover, natural attenuation and also the gradual migration of overburden impacts laterally and downward into the bedrock aquifer. Concentration trend charts for the overburden wells are included as Appendix C. Trend charts are only constructed for wells that have been sampled regularly and

have had consistent detections of COCs over time. A table summarizing the historical analytical data for all of the wells is included as Table 5.

As indicated on the trend charts the majority of the overburden wells at the Site are currently either non-detect for COCs or contain COCs at concentrations below the ICLs. During the 2008 semi-annual groundwater sampling activities, ICLs were exceeded at only two overburden well locations: EW-10S and 75D. These well are located in the southwest and northeast portions of the Site, respectively. The COCs observed at EW-10S (primarily BTEX) are consistent with the known source area impacts at Drum Storage Area A. The ICL exceedance at well 75D consists of DCE, a degradation product of PCE and TCE. The analytical results from 2008 are discussed in more detail in the Section 3.4.

2.11.2 Bedrock Aquifer

Overall, the concentration of COCs has also decreased or remained stable within the bedrock wells over time. The concentration trend charts for the bedrock wells are included as Appendix D. Similar to the overburden wells, trend charts are only constructed for bedrock wells that have been sampled regularly and had consistent detections of COCs over time.

Review of the COC concentrations within the bedrock wells indicates the primary remaining source area is located within the ISCO area northeast of the Site. As discussed previously, the overburden beneath the ISCO area is relatively thin due to a rise in the bedrock surface. The thin overburden allows for preferential vertical migration of groundwater from the overburden aquifer to the bedrock aquifer. In addition, this area of the bedrock is described as heavily fractured (e.g. 35R, 69R) within the shallow portion of the bedrock and may provide a pathway to more vertically and horizontally extensive fractures beneath the Site.

The current distribution of COCs within the bedrock aquifer relative to the ICLs is summarized in Figures 18 through 22. These figures include the distribution of benzene, total BTEX, TCE, DCE and total CVOCs, respectively. The total BTEX and total CVOC concentrations have been normalized to the ICLs to show the areas of criteria exceedance (Figures 19 and 22). The concentrations plotted in all of the figures are from the more comprehensive May 2008 sampling event. As shown on Figures 18 and 19, Benzene/BTEX appears to have migrated to the north of the ISCO area and spread out along fractures oriented to the northeast-southwest. The distribution of TCE and total CVOCs is similar to BTEX although appears offset to the

east. The distribution of DCE is concentrated around the ISCO area and suggests reductive dechlorination of CVOCs.

2.11.3 Shallow versus Deep Monitoring Well Trends

The historical trends and flux of COCs from the overburden aquifer to the bedrock aquifer can be observed by reviewing groundwater analytical trends in nested well pairs. Analytical trend charts and location map for seven well pairs are presented in Appendix E. In general, review of the trend chart pairs does not reveal a direct connection between historical overburden COCs and COCs within the bedrock aquifer across most of the Site. An exception may be within or near the ISCO area.

- ISCO Area (52S/69R) – Similar COCs are encountered within the overburden as within the bedrock. However, the concentration of COCs are, and have been historically, higher in bedrock suggesting that COCs migrated to the bedrock aquifer before monitoring began in the 1980s. The similar set of COCs in overburden vs. bedrock suggests a connection between the overburden and the bedrock aquifer at this location.

- Northeast Corner of Site (70S/75D/103R) – Similar compounds have historically been detected within all three wells; however, concentrations abruptly decline within the shallow overburden (70S) following VER site activities. Analytical data from the deep overburden well (75D) does not indicate a response to VER activities; however, both overburden wells show a spike in CVOC concentration following ISCO pilot tests. This spike may be related to pushing of source material out of the treatment area following the permanganate injection. The bedrock well shows no response to the ISCO tests and generally indicates a gradual decline in COC concentration over time.

- Center of Site (57S/67R) – BTEX, CVOCs and MIBK has been historically detected within the overburden. Only low concentrations of benzene and TCE have been encountered in bedrock. Therefore, it is appears the overburden has little connection to the bedrock at this location and it is likely that benzene and TCE in bedrock migrated to this area from a different location; possibly the ISCO area.

- Southwest Corner of Site (61R/51S) – The BTEX and MIBK encountered within overburden well is consistent with the soil impacts historically detected

in soil at Drum Storage Area A. Within bedrock, only TCE has consistently been detected. Similar to 57S/67R, this suggests that the overburden and bedrock aquifers are not in direct communication at this location and the TCE migrated to this location within bedrock from an upgradient source.

- Northwest of Site (63R/62S) – Well 62S was sampled from 1984 through 1990; during that time the well was impacted with TCE. Well 63R has historically contained both TCE and PCE at concentrations greater than detected at 62S. Based on this result and the offsite location of these wells, it appears that COCs migrated within the overburden and bedrock aquifers independent of one another to this location.

- North of Site (64S/65R) – Well 64S was sampled between 1984 and 1990, during which time COCs were not detected. Well 65R has historically exceeded ICLs for benzene, DCE and TCE indicating these compounds migrated to this location within bedrock from an upgradient source.

- Northeast of Site (53S/35R) – both wells have historically contained TCE and PCE. However, well 35R has also contained benzene and the concentrations have historically been greater within bedrock. Similar to wells 63R/62S, the distribution of COCs in these wells and the offsite location suggests lateral migration of impacts within both the overburden and bedrock from an upgradient source.

3. GROUNDWATER MONITORING 2008

Thirty-two monitoring wells were selected for the semi-annual groundwater sampling during May 2008 and twenty-five wells were selected for sampling in November 2008. Groundwater monitoring parameters included VOCs, arsenic, manganese, nitrate, nitrite, ethene, ethane and methane, ferrous iron, carbon dioxide, dissolved oxygen and oxidation reduction potential. An additional sampling event was conducted during June 2008 at one location, EW10S, as a follow up to the May 2008 event. A summary of the wells selected for monitoring, and the geologic units screened by each well are presented on Table 6.

3.1 Water-Level Measurements

Groundwater elevations were measured in monitoring, extraction and injection wells during the May 2008 and November 2008 sampling events. The depth to groundwater

and groundwater elevations are presented in Table 1. The measurements were made to the nearest hundredth of a foot using an electronic water-level indicator. All levels were recorded as depth below the top of the well casing (unless otherwise noted on the table), and converted to piezometric head above mean sea level, in feet, using well elevation data from previous site surveys. The indicator probe was cleaned by detergent wash and distilled water rinse between wells to prevent cross-contamination.

3.2 Groundwater Sampling

On May 19 through May 23, 2008, June 30, 2008, and November 17 through November 21, 2008, ARCADIS collected groundwater samples from the wells listed in Table 6 using the USEPA Region I Low-Stress Purge and Sampling method (USEPA 1996). All purging and sampling was done using a peristaltic pump with dedicated tubing and field parameters were measured using a multi-sensor groundwater quality meter with a flow-through cell. Purged water was discharged to the ground surface in the immediate vicinity of each well. Quality control samples including, field replicates, matrix spike/matrix spike duplicates and trip blanks were obtained during each sampling event.

3.3 Laboratory Analyses

Groundwater samples were submitted to Southern Petroleum Laboratories of Houston, Texas for analysis. The May (and June) groundwater samples were submitted for analysis of volatile organic compounds (VOCs) (USEPA 8260B), total arsenic and manganese by (USEPA 6010B) and nitrate and nitrite (USEPA 300.0). The same parameters were analyzed during the November event with the exception of nitrite and nitrate. Additionally, select samples were analyzed for ethene, ethane and methane (method RSK-147) and dissolved arsenic and manganese during the May, June and November sampling events. Copies of the laboratory analytical reports are provided in Appendix F. A data validation/verification review for each laboratory analytical data package was performed by ENOVIS, Inc. A summary of the ENOVIS data reviews and quality assurance/quality control results and copies of the ENOVIS data reports are also presented in Appendix F.

3.4 Groundwater Sampling Results

The following sections provide a discussion of the 2008 groundwater monitoring data. For a broad overview of the analytical and groundwater elevation data with respect to the historical trends observed at the Site refer to Section 2.9 and 2.11 above.

3.4.1 Groundwater Elevation and Flow

A summary of the 2008 groundwater elevation measurements is provided as Table 1. In general, groundwater elevation in 2008 demonstrates a seasonal trend similar to that of previous years. Bedrock wells typically indicate a groundwater elevation several feet below that of nearby overburden wells. A discussion of the vertical gradient at the Site is provided in Section 2.9. The highest and lowest groundwater elevations recorded in overburden were 317.48 feet at well 53S and 326.87 feet in well EW-1S, respectively; both in May 2008. In bedrock, the lowest level recorded was 298.71 feet in well 76R and the highest was 325.27 feet in well 205R; both in November.

A groundwater elevation contour map was prepared for the November groundwater elevation data and is presented as Figure 14. Groundwater elevation data from May is generally consistent with November and a separate contour map was not prepared. As outlined in Section 2.9, monitoring wells used to create this contour map were selected based on the depth of installation and the corresponding screened hydrostratigraphic units. In general, only wells installed within the upper till and glacial outwash deposits were used to construct the contour map. As shown on Figure 14, groundwater in the shallow overburden appears to flow radially away from a groundwater high located along the southeastern property boundary, generally centered on monitoring well EW-1S. This configuration is generally consistent with previous water-table maps prepared for the Site by ARCADIS (Geraghty & Miller, Inc. 1995, 1996c, 1996d, 1996e, 1996f, 1997a, 1997b, ARCADIS Geraghty & Miller, Inc. 1998, 2000, 2001, ARCADIS G & M 2002, 2003, 2004, 2005, 2006, ARCADIS U.S., Inc. 2007b, 2008).

Results from the May 2008 and November 2008 monitoring and sampling event indicate that deep overburden wells (identified by a “D” suffix) had groundwater elevations generally less than 2 feet lower than nearby shallow overburden wells. Bedrock wells (identified by an “R” suffix) had groundwater elevations ranging from 1 to 15 feet lower than nearby deep overburden wells, with the greatest difference measured between wells 36D and 61R.

Due to the hydraulic nature of fractured bedrock and the current construction of bedrock monitoring wells (primarily open bedrock boreholes), the piezometric head of individual fractures is impossible to determine. Therefore horizontal gradient within specific governing fracture sets is unknown. A discussion of bedrock fractures and fracture flow at the Site is presented in Section 2.7.

3.4.2 Groundwater Quality

Overall, the concentrations of VOCs and metals in groundwater during the May and November 2008 sampling events were lower than or consistent with concentrations detected during previous sampling events. A summary of the laboratory analytical results (including historical results) is provided as Table 5 and a summary of the natural attenuation parameters is provided as Table 7. A copy of the laboratory analytical reports is included as Appendix F. A brief discussion of the groundwater results by constituent group is presented in the following sections.

3.4.2.1 Volatile Organic Compounds

Of the 11 overburden wells sampled during 2008, only two wells exhibited ICL exceedances; well EW-10S and well 75D. The former extraction well EW-10S has had consistent concentrations of ethylbenzene and toluene since it was installed in 1997 with some fluctuations below the ICLs. The impacts appear to be localized as nearby wells (e.g. 51S, 73S and 50S) do not contain VOCs above ICL criteria. Well 75D was above ICL criteria for cis-1,2 DCE in May (72 ug/L) but below criteria in November (27 ug/L). An increase in DCE has been observed at 75D and is an indication of reductive dechlorination of TCE and PCE.

Of the 21 bedrock wells sampled at least once in 2008, 16 exhibited ICL exceedances for at least one VOC parameter. Trend plots for bedrock wells are included in Appendix D and discussed in Section 2.11.2. Overall, the concentration of COCs has decreased in bedrock wells over time. The exception to this is at wells 106R, 201R and 205R where VOC concentrations have remained stable or decreased more slowly. The concentration of benzene at 106R has consistently exceeded ICL criteria; however, this well is downgradient of the ISCO source area and as the source mass is reduced the concentration of benzene at this location should also decrease with time. Exceedances at 201R and 205R have historically consisted of benzene and CVOCs. The concentration of TCE at 201R and 205R has been decreasing as the concentration of DCE has remained stable indicating reductive dechlorination is occurring within the source area. Benzene at both of these locations has slowly decreased over time. The concentration of methyl-isobutyl-ketone (MIBK) at well 205R has generally remained stable and will continue to be monitored during future sampling events.

The COCs that will drive risk associated with the Site in the future are benzene and CVOCs. The distributions of these COCs are depicted graphically on Figures 18

through 22. The concentrations plotted on all of the figures are from the more comprehensive May 2008 sampling event. As discussed in Section 2.11.2, Benzene/BTEX appears to have migrated to the north of the ISCO area and spread out along fractures oriented to the northeast-southwest. The distribution of TCE and total CVOCs is similar to BTEX although appears offset to the east. The distribution of DCE is more concentrated around the ISCO area and, as indicated above, suggests reductive dechlorination of CVOCs.

3.4.2.2 Metals

Concentrations of arsenic and manganese were detected in both the overburden and bedrock monitoring wells in 2008. As noted previously, the manganese currently detected within the immediate area of the wells used for the ISCO injections is an artifact of the permanganate injections and the concentrations of manganese and arsenic outside of the injection area are likely related to increased solubilization of naturally occurring metals created by the reducing conditions at the Site. It is expected that arsenic and manganese concentrations will decline as redox conditions become more aerobic over time.

3.4.3 Natural Attenuation Summary

Natural attenuation analytical results indicated nitrate, nitrite and methane were detected at very low levels or not detected above laboratory MDLs. Ethene and ethane were not detected above the respective MDLs in any of the wells sampled in May and November 2008.

A detailed analysis of the current biochemical conditions and applicability of monitored natural attenuation to address the remaining impacts was performed in 2007. The report summarizing the evaluation was submitted in December 2007. Results of the evaluation indicated the overall size of the impacted areas has decreased over time as a result of the ISCO injections and natural attenuation processes. Decreasing trends are present in monitoring wells within and outside the central portion of the remaining impacted areas, which indicates that additional reduction toward the respective ICLs will continue. Continued monitoring and evaluation of biochemical conditions will continue.

4. REVISED CONCEPTUAL SITE MODEL / 2008 GROUNDWATER MONITORING CONCLUSIONS

Based on the revised CSM and the results of the 2008 groundwater monitoring activities, ARCADIS offers the following conclusions:

- As shown on the regional groundwater flow map, Tibbetts Road Site is situated on a topographic high with apparent groundwater flow to the north-northeast toward Swains Lake and to the west-southwest toward headwaters of the Oyster River. Groundwater mounding beneath topographic highs is due to the low bulk hydraulic conductivity of the bedrock aquifer as well as the overlying dense, clay-rich glacial sediments.

- A consistent downward vertical gradient is present between the overburden and the bedrock aquifers indicating limited hydraulic communication between the two aquifers. The low hydraulic conductivity of the lower till and weathered bedrock appears to force groundwater to flow laterally within the more permeable upper till and outwash deposits to areas where the lower till and weathered bedrock are thin or otherwise more permeable. This phenomenon has focused much of the remaining dissolved phase COCs into the bedrock within the ISCO area – an area where overburden is thin.

    - Concentration trends within overburden and bedrock well pairs support a limited hydraulic connection between overburden and bedrock. This lack of hydraulic connection is most notable in the center of the site (57S/67R) and near former Drum Storage Area A (51S/61R) where COCs in bedrock bear little resemblance to those noted in overburden.

    - The results of the 2008 groundwater monitoring activities indicate only two overburden wells (EW-10S and 75D) have COCs that exceed ICLs. This result coupled with decreasing COC trends in overburden and bedrock wells within the ISCO area and across the Site suggests limited ongoing COC flux between the overburden and bedrock aquifer.

- Based on the current CVOC and BTEX plume orientation and the available bedrock fracture data, the northeast trending fractures appear to be most common in the ISCO area. Dissolved phase COCs migrate within bedrock

from the ISCO area to the north-northwest and then elongate parallel to the dominant northeast trending fracture set.

- Evaluation of monitored natural attenuation is favorable: natural reductive dechlorination is occurring at the Site. In addition, biodegradation of benzene and other VOCs is occurring at the Site. This natural attenuation appears adequate to prevent significant downgradient migration of both CVOCs and VOCs.

- There are two potential groundwater withdrawals in the area that could potentially influence the migration of COCs in the Site vicinity, the Swains Lake Water Village District proposed bedrock water supply wells northwest of the Site and the new residential development located on Sera Lane to south of the Site. In particular, the location of the Sera Lane wells relative to the Site (on-strike and downgradient from existing bedrock plume) suggests a potential risk associated with pumping at this location.

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Table 1. Summary of 2008 groundwater elevation measurements, Tibbetts Road Site, Barrington, NH

Well Designation	Measuring Point Elevation (feet above mean sea level)	May 19, 2008 Depth to Water (feet below measuring point)	May 19, 2008 Water-Level Elevation (feet above mean sea level)	November 17, 2008 Depth to Water (feet below measuring point)	November 17, 2008 Water-Level Elevation (feet above mean sea level)
Overburden Wells					
36D	326.06	6.00	320.06	6.25	319.81
37D	327.66	6.51	321.15	5.82	321.84
50S	322.45	4.89	317.56	4.41	318.04
51S	325.96	5.21	320.75	5.56	320.40
52S	328.19	6.39	321.80	5.74	322.45
53S	322.08	4.60	317.48	4.40	317.68
54S	326.81	4.05	322.76	NM	--
57S	329.82	3.81	326.01	4.16	325.66
70S	327.48	3.52	323.96	3.10	324.38
71S	329.97	5.23	324.74	5.90	324.07
72S	328.72	3.14	325.58	3.19	325.53
73S	328.06	4.94	323.12	5.78	322.28
75D	326.27	3.76	322.51	3.26	323.01
79S	329.85	10.46	319.39	10.05	319.80
80S	329.32	3.36	325.96	NM	--
84S	329.51	4.05	325.46	4.33	325.18
85S	329.72	4.75	324.97	4.86	324.86
87S	330.01	4.25	325.76	4.88	325.13
88S	330.10	4.26	325.84	NM	--
105D	329.09	2.95	326.14	4.2	324.89
EW-10	327.40	5.55	321.85	6.52	320.88
EW-1D	329.14	3.99	325.15	4.14	325.00
EW-1S	329.01	2.14	326.87	2.43	326.58
EW-2S	328.15	3.00	325.15	2.85	325.30
EW-3S	327.52	3.72	323.80	3.30	324.22
EW-4S	330.00	3.61	326.39	3.90	326.10
EW-5S	326.38	5.03	321.35	5.60	320.78
EW-6S	329.90	4.28	325.62	4.65	325.25
EW-7S	329.59	4.09	325.50	4.42	325.17
EW-8S	329.54	4.59	324.95	4.90	324.64
EW-9S	330.05	4.34	325.71	4.49	325.56
Bedrock Wells					
35R*	320.88	5.07	315.81	5.09	315.79
59R	327.98	14.28	313.70	16.20	311.78
61R	326.26	20.31	305.95	21.40	304.86
63R	324.47	10.17	314.30	10.50	313.97
65R	328.94	14.27	314.67	14.70	314.24
67R	330.46	14.35	316.11	14.80	315.66
69R	326.65	6.42	320.23	6.21	320.44
76R	314.96	14.23	300.73	16.25	298.71
103R	327.76	9.60	318.16	9.6	318.16
106R*	312.89	5.96	306.93	6.11	306.78
107R	322.49	6.11	316.38	5.65	316.84
108R	323.27	8.50	314.77	NM	--
169R	326.17	9.45	316.72	9.06	317.11
201R*	320.32	4.64	315.68	5.09	315.23
202R*	326.82	9.25	317.57	9.59	317.23
203R*	327.47	10.45	317.02	9.70	317.77
204R*	324.37	7.80	316.57	8.19	316.18
205R*	326.47	10.72	315.75	1.20	325.27
IW-1R	327.91	6.93	320.98	6.54	321.37
IW-2R*	327.06	10.52	316.54	10.00	317.06
IW-3R	328.93	9.33	319.60	8.90	320.03
IW-4R	328.03	9.87	318.16	9.73	318.30
IW-5R	326.46	5.53	320.93	5.30	321.16
IW-6R	326.68	6.01	320.67	5.46	321.22

Notes:
Measuring point elevation for each well surveyed by Bay Colony Group, Inc. (1995, 1998, 2003, 2005, 2006).
NM - Water levels were not measured.
NS - Not surveyed
Injection wells (Iws) abandoned winter 2008-2009
* - Measuring point is top of steel casing (not PVC)

Table 2. Summary of Vertical Gradient Between Overburden and Bedrock Wells
Tibbetts Road Site, Barrington, NH

Well Designation	Bottom of Screen (ft bg)	Top of Screen (ft bg)	Middle of Screen (ft bg)	Distance Between Screens (ft bg)	Average Vertical Gradient (1995 to 2008)	Apparent Vertical Component of Groundwater Flow
Overburden vs. Bedrock						
76R	252.0	38.0	145.0	132.5	**0.02**	Downward
77S	15.0	10.0	12.5			
35R	82.0	29.0	55.5	47.2	**0.06**	Downward
53S	10.8	5.8	8.3			
69R	58.5	38.5	48.5	39.6	**0.11**	Downward
52S	11.5	6.5	9.0			
103R	62.0	44.0	53.0	42.5	**0.12**	Downward
70S	13.0	8.0	10.5			
67R	163.8	81.0	122.4	107.9	**0.08**	Downward
71S	17.0	12.0	14.5			
65R	203.5	81.0	142.3	97.3	**0.08**	Downward
64S	75.0	15.0	45.0			
63R	202.3	81.0	141.7	98.7	**0.08**	Downward
62S	63.0	23.0	43.0			
61R	203.5	71.0	137.3	123.5	**0.11**	Downward
51S	16.3	11.3	13.8			
Deep vs. Shallow Overburden Wells						
75D	26.0	21.0	23.5	13.0	**0.12**	Downward
70S	13.0	8.0	10.5			
37D	20.4	15.4	17.9	9.0	**0.06**	Downward
52S	11.5	6.5	9.0			

Note:

1. ft bg - feet below grade

Table 3. Summary of Groundwater VER Extraction, Tibbetts Road Site, Barrington, NH

Period of Operation	Extraction Wells Active during All or Part of Period	Targeted Zone
Sept. – Dec. 1995	EW-1S – EW-5S	Overburden
April – Dec 1996	EW-1S – EW-9S	Overburden
April – June 1997	EW-1S – EW-3S, EW-5S – EW-7S, EW9S – EW10S	Overburden
June – Oct.1999	EW-1S, EW-8S, 69R	Overburden/ Bedrock
June – Oct. 2000	69R, 103R	Bedrock
April – Oct. 2001	69R, 103R, 169R, EW-5S, EW-10S	Overburden/ Bedrock
April – Nov. 2002	EW-5S, EW-10S, 169R	Overburden/Bedrock

Table 4. Summary of Historical VOC Detections in Residential Wells, Tibbetts Road Site, Barrington, NH

	Parameter:	Acetone	1,2-Dichloroethene	Methyl Ethyl Ketone	Trichloroethene	Benzene	Methyl-isobutyl-ketone	Toluene	Chlorobenzene	Ethylbenzene	Total Xylenes
	Unit	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Date Sample Collected	Residential Well Number										
6/4/1982	1R	---	---	---	---	45	---	---	---	---	183
7/20/1982	1R	---	---	---	---	37	---	4	---	---	147
8/10/1983	1R	48	---	---	---	40	58	---	---	---	119
1/13/1984	1R	16	---	---	---	11	10 J	---	---	---	31
1/24/1984	1R	19.1	---	---	---	31	23.9	---	---	---	29.3
3/5/1984	1R	---	---	---	4	37	11	14	---	---	73
4/3/1984	1R	---	---	---	9	19	25	---	---	---	100
9/18/1984	1R	55	---	5 J	7.9	47.7	62	5 J	---	6.3	140
3/15/1985	1R	---	---	---	7.2	41.9	---	---	---	6.5	140.6
3/15/1985	1R	---	---	---	7.7	43.3	---	---	---	5.9	137.7
7/11/1985	1R	---	---	---	12.2	76.6	---	---	---	7.9	143.1
7/11/1985	1R	---	---	---	9.4	69.4	---	---	---	7.2	161.7
10/11/1985	1R	52.5	---	---	6.4	40.2	68.3	---	---	5.9	126.1
10/11/1985	1R	29.8	---	---	6.1	37.4	60	---	---	5.8	129.8
3/6/1986	1R	---	5 J	---	7.2	42.2	46.4	---	---	6.3	133.5
3/6/1986	1R	---	5 J	---	7.2	40	44.1	---	---	6.2	141
1/23/1987	1R	---	5 J	---	6	17.2	---	---	---	---	---
2/10/1987	1R	23	5 J	---	7.9	46.9	45	---	---	5 J	121.6
2/19/1987	1R	23	5 J	---	7.1	39.8	45	---	---	5 J	111.9
6/27/1990	1R	---	---	---	---	18	20 J	---	---	---	35
6/4/1982	2R	---	---	---	---	---	---	---	---	---	---
4/6/1984	2R	---	---	---	---	---	---	---	---	---	---
10/18/1984	2R	---	---	---	---	---	---	---	---	---	---
3/15/1985	2R	---	---	---	5 J	---	---	---	---	---	---
4/1/1985	2R	---	---	---	2.9	---	---	---	---	---	---
5/31/1985	2R	---	---	---	5.5	1.9	---	---	---	---	---
5/31/1985	2R	---	---	---	5.1	1.9	---	---	---	---	---
9/12/1985	2R	---	---	---	1.2	---	---	---	---	---	---
9/12/1985	2R	---	---	---	1.2	1	---	---	---	---	---
12/27/1985	2R	---	---	---	8.3	3.2	---	---	---	---	---
12/27/1985	2R	---	---	---	10.1	4.2	---	---	---	---	---
3/6/1986	2R	---	---	---	10.8	5	---	---	---	---	---
3/6/1986	2R	---	---	---	13.4	5	---	---	---	---	---
1/23/1987	2R	---	---	---	15.4	5 J	---	---	---	---	---
6/28/1990	2R	---	---	---	---	---	---	---	---	---	---
6/4/1982	3R	---	---	---	---	---	---	---	---	---	---
1/14/1984	3R	---	---	---	---	---	---	---	---	---	---
3/5/1984	3R	---	---	---	---	3	---	---	---	---	---
4/3/1984	3R	---	---	---	---	---	---	---	---	---	---
4/18/1984	3R	---	---	---	---	---	---	---	---	---	---
10/18/1984	3R	---	---	---	14.7	8.9	---	5 J	---	---	---
11/5/1984	3R	---	---	---	35	17.8	---	5 J	---	---	5 J
5/20/1985	3R	---	---	---	28	13.2	---	---	---	---	---
5/20/1985	3R	---	---	---	29.4	12	---	---	---	---	---
8/28/1985	3R	---	---	---	29.9	15.3	---	---	---	---	---
11/26/1985	3R	---	---	---	26.1	13.7	---	---	---	---	---

Table 4. Summary of Historical VOC Detections in Residential Wells, Tibbetts Road Site, Barrington, NH

	Parameter:	Acetone	1,2-Dichloroethene	Methyl Ethyl Ketone	Trichloroethene	Benzene	Methyl-isobutyl-ketone	Toluene	Chlorobenzene	Ethylbenzene	Total Xylenes
	Unit	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
3/6/1986	3R	---	---	---	31.3	17.8	---	---	---	---	---
3/6/1986	3R	---	---	---	27.9	17.1	---	---	---	---	---
1/23/1987	3R	---	5 J	---	13.9	10.6	---	---	---	---	---
6/4/1982	4R	---	---	---	---	---	---	---	---	---	---
1/13/1984	4R	---	---	---	---	---	---	---	---	---	---
4/5/1984	4R	---	---	---	---	---	---	---	---	---	---
10/17/1984	4R	9.3	---	---	5.0J	5.0J	---	---	---	---	---
11/5/1984	4R	---	---	---	7.5	5.0J	---	---	---	---	---
5/20/1985	4R	---	---	---	10.5	5.0J	---	---	---	---	---
5/20/1985	4R	---	---	---	11.9	5.0J	---	---	---	---	---
8/28/1985	4R	---	---	---	8.7	5.0J	---	---	---	---	---
8/28/1985	4R	---	---	---	8.5	5.0J	---	---	---	---	---
11/26/1985	4R	---	---	---	16.0	5.9	---	---	---	---	---
3/6/1986	4R	---	---	---	16.7	6.5	---	---	---	---	---
3/6/1986	4R	---	---	---	18.6	7.2	---	---	---	---	---
1/23/1987	4R	---	---	---	27.8	5.5	---	---	---	---	---
6/21/1990	4R		---	---	---	---					
6/4/1982	5R	---	---	---	---	---	---	---	---	---	---
1/13/1984	5R	---	---	---	< 10 U	3.2	---	---	---	---	---
1/24/1984	5R	---	---	---	11.1	4.3	---	---	---	---	---
3/5/1984	5R	---	---	---	22	10	---	---	---	---	---
4/3/1984	5R	---	---	---	22	5	---	---	---	---	---
9/18/1984	5R	---	---	---	35.1	9.4	---	---	---	---	---
3/15/1985	5R	---	---	---	49.4	15.3	---	---	---	---	---
7/11/1985	5R	---	---	---	109.9	41.1	---	---	---	---	---
7/11/1985	5R	---	---	---	115.9	43.8	---	---	---	---	---
10/11/1985	5R	---	---	---	50.4	14.6	---	---	---	---	---
10/11/1985	5R	---	---	---	49.8	14.5	---	---	---	---	---
2/12/1986	5R	---	5 J	---	93.3	28.7	---	---	---	---	---
2/12/1986	5R	---	5 J	---	101.1	30.4	---	---	---	---	---
1/23/1987	5R	---	5 J	---	64.3	25.1	---	---	---	---	---
6/27/1990	5R	---	---	---	57.0	20.0	---	---	---	---	---
6/5/1991	5R	---	3J	---	75.0	27.0	---	2J	---	---	---
9/24/1985	6R	---	---	---	5J	---	---	---	---	---	---
9/24/1985	6R	---	---	---	5J	---	---	---	---	---	---
2/12/1986	6R	---	---	---	5.5	---	---	---	---	---	---
2/12/1986	6R	---	---	---	5.5	---	---	---	---	---	---
6/20/1990	6R	---	---	---	---	---	---	---	---	---	---
7/11/1985	7R	---	---	---	13.7	---	---	---	---	---	---
7/17/1985	7R	---	---	---	10.7	---	---	---	---	---	---
7/17/1985	7R	---	---	---	10.7	---	---	---	---	---	---
10/11/1985	7R	---	---	---	5J	---	---	---	---	---	---
10/11/1985	7R	---	---	---	5J	---	---	---	---	---	---
5/8/1986	7R	---	---	---	18.0	---	---	---	---	---	---
6/20/1990	7R	---	---	---	19.0	---	---	---	---	---	---
6/10/1985	8R	---	---	---	6.0	---	---	---	---	---	---
6/21/1985	8R	---	---	---	7.5	---	---	---	---	---	---
6/21/1985	8R	---	---	---	9.3	---	---	---	---	---	---

Table 4. Summary of Historical VOC Detections in Residential Wells, Tibbetts Road Site, Barrington, NH

	Parameter:	Acetone	1,2-Dichloroethene	Methyl Ethyl Ketone	Trichloroethene	Benzene	Methyl-isobutyl-ketone	Toluene	Chlorobenzene	Ethylbenzene	Total Xylenes
	Unit	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
7/2/1985	8R	---	---	---	13.0	---	---	---	---	---	---
7/2/1985	8R	---	---	---	13.5	---	---	---	---	---	---
10/11/1985	8R	---	---	---	10.3	---	---	---	---	---	---
10/11/1985	8R	---	---	---	10.5	---	---	---	---	---	---
1/15/1986	8R	---	---	---	8.6	---	---	---	---	---	---
1/15/1986	8R	---	---	---	7.7	---	---	---	---	---	---
8/6/1986	8R	---	---	---	9.3	---	---	---	---	---	---
6/20/1990	8R	---	---	---	---	---	---	---	---	---	---
6/4/1991	8R	---	---	---	---	---	---	---	---	---	---
6/21/1990	9R	---	---	---	---	---	---	---	---	---	---
9/12/1985	13R	---	---	---	---	1	---	---	---	---	---
9/12/1985	13R	---	---	---	---	2.8	---	---	---	---	---
12/27/1985	13R	---	---	---	---	---	---	---	---	---	---
6/20/1990	13R	---	---	---	---	---	---	---	---	---	---
6/4/1982	14R	---	---	---	---	---	---	---	---	---	---
4/3/1984	14R	---	---	---	---	---	---	---	---	---	---
10/17/1984	14R	14	---	16.8	---	---	24.5	---	---	---	---
11/5/1984	14R	---	---	---	---	---	---	---	---	---	---
11/21/1984	14R	---	---	---	---	---	---	---	---	---	---
3/7/1985	14R	---	---	---	---	---	---	---	---	---	---
4/26/1985	14R	---	---	---	---	---	---	---	---	---	---
5/20/1985	14R	---	---	---	---	---	---	---	---	---	---
6/10/1985	14R	---	---	---	---	---	---	---	---	---	---
7/11/1985	14R	---	---	---	---	---	---	---	---	---	---
8/28/1985	14R	---	---	---	---	---	---	---	---	---	---
10/11/1985	14R	---	---	---	---	---	---	---	---	---	---
11/26/1985	14R	---	---	---	---	---	---	---	---	---	---
3/6/1986	14R	---	---	---	---	---	---	---	---	---	---
1/23/1987	14R	---	---	---	5 J	---	---	---	---	---	---
6/28/1990	14R	---	---	---	---	---	---	---	---	---	---
9/12/1985	15R	---	---	---	---	1.5	---	---	---	---	---
9/12/1985	15R	---	---	---	---	1	---	---	---	---	---
12/27/1985	15R	---	---	---	---	---	---	---	---	---	---
5/8/1986	15R	---	---	---	---	---	---	---	---	---	---
6/20/1990	15R	---	---	---	---	---	---	---	3 J	---	---

Notes:
1. ug/L = micrgrams per liter.
2. --- Indicates parameter was not detected
3. NA - Parameter not analyzed or otherwise not available.
4. J- Indicates estimated value

Table 5. Summary of Historical Groundwater Analytical Results, Volatile Organic Compounds, Arsenic and Manganese, Tibbetts Road Site, Barrington, NH

	Chemical Name	Acetone	Benzene	cis-1,2-Dichloroethene	Ethylbenzene	Methyl-isobutyl-ketone	Styrene	Tetrachloroethene	1,1,1-Trichloroethane	Toluene	Trichloroethene	Vinyl chloride	Total Xylenes	Arsenic	Arsenic	Manganese	Manganese
	Total/Dissolved:	T	T	T	T	T	T	T	T	T	T	T	T	T	D	T	D
	ICL:	None	5	70	700	1825	100	5	200	1000	5	2	10000	10	10	3650	3650
	Unit:	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/l	ug/L	ug/l	ug/L
Well Designation	**Sample Date**																
32R	1/1/1985	ND	ND			ND		ND	ND	ND	ND		ND				
32R	6/5/1990	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 10	< 5				
33R	1/1/1985	ND	ND			ND		ND	ND	ND	2 J		ND				
33R	6/5/1990	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 10	< 5				
34R	1/1/1985		ND	ND		ND		ND	ND	ND	ND		ND				
34R	6/6/1990	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 10	< 5				
35R	1/1/1985	ND	**12**	ND		ND		ND	ND	ND	**110**		4 J				
35R	6/6/1990	< 10	**19**	< 5	< 5	140	< 5	< 5	< 5	< 5	4 J	< 10	< 5				
35R	6/1/1991	ND	**52**	ND		320 B		ND	ND	ND	**12 J**		ND				
35R	5/24/1994	ND	**290**	26	ND	790		< 10	ND	ND	**25**		ND		**31**		
35R	1/8/1997	< 10	**17**	4 J	< 5	120	< 5	< 5	< 5	< 5	1 J	< 5	< 5				
35R	3/21/1997	ND	< 5	3 J	5	23		< 5	< 5	3 J	5		6				
35R	4/21/1998	< 50	**130**	< 25	< 25	1000	< 25	< 25	< 25	< 25	< 25	< 25	< 25	**30**		870	
35R	5/6/1999	< 10	**120**	9.6	1.6 J	180	< 5	1.2 J	< 5	< 5	**12**	< 10	< 15		**27**		< 1
35R	12/21/1999	< 10	**92**	10	1.8 J	< 10	< 5	1.8 J	< 5	< 5	**18**	< 5	< 15		**19.3**		886
35R	2/16/2000	< 10	**53**	8.7	< 5	< 10	< 5	2.1 J	< 5	< 5	**19**	< 5	< 15				
35R	7/13/2000	< 10	**75**	8.2	< 5	24	< 5	1.7 J	< 5	< 5	**13**	< 5	< 15		**24.5**		872
35R	12/6/2000	< 25	**78**	8.3	< 5	< 10	< 5	2.3 J	< 5	< 5	**19**	< 5	< 15		**26.3**		924
35R	7/26/2001	< 50	**60**	12	< 5	< 25	< 5	< 5	< 5	< 5	**22**	< 10	< 10		**24**		970
35R	12/19/2001	< 10	**140**	28	5.4	33	< 5	< 5	< 5	58	**20**	< 5	13		**23**		1100
35R	7/10/2002	< 10	**30**	8.2	< 5	< 10	< 5	< 5	< 5	< 5	**12**	< 5	< 10		**25**		900
35D	12/20/2002	< 10	**50**	16	< 5	< 10	< 5	< 5	< 5	< 5	**22**	< 5	< 10		**20**		1100
35R	1/16/2003	< 10	**40**	11	< 5	< 10	< 5	< 5	< 5	< 5	**20**	< 5	< 10	**23**		960	
35R	3/12/2003	< 10	**31**	12	< 5	< 10	< 5	< 5	< 5	< 5	**20**	< 5	< 10	**22**		960	
35R	6/4/2003	< 10	**44**	10	< 5	< 10	< 5	< 5	< 5	< 5	**20**	< 5	< 10	**21**		950	
35R	10/27/2003	< 10	**56**	20	< 5	< 10	< 5	< 5	< 5	< 5	**27**	< 5	< 5	**21.6**		1170	
35R	12/17/2003	< 100	**56**	19	< 5	< 10	< 5	< 5	< 5	< 5	**22**	< 5	< 5	**25.2**		1110	
35R	2/10/2004	< 10	**41**	13	< 5	< 10	< 5	< 5	< 5	< 5	**20**	< 5	< 5	**21.2**		1100	
35R	3/23/2004	< 10	**50**	12	< 5	< 10	< 5	< 5	< 5	< 5	**23**	< 5	< 5	**18.6**		1200	
35R	5/25/2004	< 10	**56**	16	< 5	< 10	< 5	5.0	< 5	< 5	**18**	< 5	< 5	**19.7**		1100	
35R	11/8/2004	< 10	**76**	24	5	< 10	< 5	4 J	< 5	1 J	**29**	< 5	1 J	**19.6**		1380	
35R	5/26/2005	< 100	**35**	12	< 5	< 10	< 5	**6**	< 5	< 5	**20**	< 10	< 1	**20.3**		1160	
35R	11/11/2005	< 100	**53**	22	3 J	< 10	< 5	3 J	< 5	< 5	**19**	< 5	< 1	**19.8**		1260	
35R	7/5/2006	< 100	**18**	5 J	< 5	< 10	< 5	< 5	< 5	< 5	3 J	< 5	< 1	**27**		925	
35R	8/31/2006	< 100	**19**	7	< 5	< 10	< 5	1 J	< 5	< 5	**6**	< 5	< 1	**23.8**		1060	
35R	11/21/2006	< 100	5	2 J	< 5	< 10	< 5	0.9 J	< 5	< 5	2 J	< 5	< 1	< 100		993	
35R	2/27/2007	< 100	5	5 J	< 5	< 10	< 5	2 J	< 5	< 5	4 J	< 5	< 1	< 100		834	
35R	5/30/2007	< 100	**18**	5 J	< 5	< 10	< 5	< 5	< 5	< 5	2 J	< 5	< 1	< 100		823	
35R	11/27/2007	< 100	**14**	10	< 5	< 10	< 5	3 J	< 5	< 5	**11**	< 5	< 1	**44 J**		1120	
35R	5/22/2008	< 100	**6**	11	< 5	< 10	< 5	1 J	< 5	< 5	4 J	< 2	< 1	< 100		926	
35R	11/21/2008	< 100	4 J	7	< 5	< 10	< 5	2 J	< 5	< 5	5	< 2	< 1	< 100		1170	

Table 5. Summary of Historical Groundwater Analytical Results, Volatile Organic Compounds, Arsenic and Manganese, Tibbetts Road Site, Barrington, NH

	Chemical Name	Acetone	Benzene	cis-1,2-Dichloroethene	Ethylbenzene	Methyl-isobutyl-ketone	Styrene	Tetrachloroethene	1,1,1-Trichloroethane	Toluene	Trichloroethene	Vinyl chloride	Total Xylenes	Arsenic	Arsenic	Manganese	Manganese
	Total/Dissolved:	T	T	T	T	T	T	T	T	T	T	T	T	T	D	T	D
	ICL:	None	5	70	700	1825	100	5	200	1000	5	2	10000	10	10	3650	3650
	Unit:	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/l	ug/L	ug/l	ug/L
Well Designation	**Sample Date**																
36D	1/1/1985	28	ND		ND	ND		ND	ND	ND	2 J		ND				
36D	6/15/1990	ND	ND		ND	ND		ND	ND	ND	ND		ND				
36D	10/11/1990	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	4 J	< 10	< 5		**31**		43.9 J
36D	6/2/1995	ND	< 10	< 10	< 10	< 10	< 10	< 10	< 10	12	1 J	< 10	3 J		**20.6**		< 5
36D	4/2/1996	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5		5.7		< 5
36D	7/24/2001	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10		**14**		76
36D	7/8/2002	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10		< 10		< 10
36D	5/18/2005	< 100	< 5	3 J	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 10	< 1	**19.8**		6.41	
37D	1/1/1985	16000	**620**		58	**87000**		**6 J**	ND	430	**200**		270				
37D	6/19/1990	< 660	**1000 J**	**140**	< 250	**2300**	< 250	< 250 UJ	< 250	< 390	**150 J**	< 500	< 1000		**52.5 J**		**9610**
37D Dup	6/19/1990	< 500	**2100 J**	**140**	< 250	**2000**	< 250	**130 J**	< 250	< 620	**410 J**	< 500	< 1700		**18.2**		**11400**
37D	10/10/1990	< 200	**3100 J**	**270**	**1500**	**3800**	< 100	**210**	< 100	**2600**	**630**	< 200	3100		**44.2**		**6010 J**
37D	5/31/1991	ND	**2300**	**950**	**1100**	750		**38 J**	ND	840	**160**		2200		**26.8**		**5590**
37D	5/24/1994	ND	**290**	26	ND	790		< 10	ND	ND	**25**		ND		**31**		
37D	5/27/1995	13 JB	**98**	< 20	190	28	< 20	**130**	< 20	41	**330**	< 20	6 J		**31.1**		**4500**
37D	8/23/1995	< 40	**28**	**100**	68	< 40	< 20	**91**	< 20	< 20	**320**	< 20	< 20				
37D Dup	8/23/1995	< 50	**45**	**150**	210	< 50	< 25	**160**	< 25	7 J	**500**	< 25	< 25				
37D	4/3/1996	< 20	< 10	**89**	33	< 20	< 10	**47**	< 10	< 10	< 10	< 10	< 10		**26**		**4000**
37D	8/12/1996	< 40	< 20	52	< 20	< 40	< 20	**35**	< 20	< 20	**120**	< 20	< 20				
37D	1/8/1997	< 10	2 J	39	10	7 J	< 5	**38**	< 5	< 5	**87**	< 5	< 5				
37D	3/21/1997	ND	< 25	43	14 J	< 50		**36**	< 25	< 25	**97**		< 25				
37D	4/20/1998	< 10	< 5	7.8	< 5	< 10	< 5	**7.6**	< 5	< 5	**14**	< 5	< 5	**360**		3100	
37D	5/6/1999	< 10	1.6 J	3.4 J	< 5	< 10	< 5	2.2 J	< 5	< 5	**5.4**	< 10	< 15		**107**		< 1
37D	12/21/1999	< 10	< 5	1.0 J	< 5	< 10	< 5	1.5 J	< 5	< 5	2.3 J	< 5	< 15		**33.4**		1820
37D	7/13/2000	< 10	< 5	< 5	< 5	< 10	< 5	2.2 J	< 5	< 5	2.2 J	< 5	< 15		**91.7**		2220
37D	12/6/2000	< 25	< 5	1.9 J	< 5	< 10	< 5	1.9 J	< 5	< 5	2.0 J	< 5	< 15		**19.2**		1740
37D	7/26/2001	< 10	< 5	< 5	< 5	< 10	< 5	**7**	< 5	< 5	< 5	< 5	< 10		**38**		2500
37D	12/19/2001	< 10	**35**	10	< 5	220	< 5	< 5	< 5	150	< 5	< 5	< 10		**24**		2800
37D	7/10/2002	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10		**41**		3000
37D	12/19/2002	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10		**42**		2600
37D	6/5/2003	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10	**44**		2800	
37D	12/19/2003	< 100	< 5	17	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	**55.1**		3410	
37D	5/26/2004	< 10	< 5	16	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	**52.3**		**3920**	
37D	11/5/2004	< 10	< 5	48	< 5	< 10	< 5	2 J	< 5	< 5	2 J	< 5	< 5	**53.6**		**3870**	
37D	5/20/2005	< 100	< 5	39	< 5	< 10	< 5	4 J	< 5	< 5	< 5	< 10	< 1	**51.1**		**4530**	
37D	11/14/2005	< 100	< 5	**170**	< 5	< 10	< 5	5	< 5	< 5	2 J	< 5	< 1	**52**		**4850**	
37D	6/29/2006	< 100	< 5	**220**	< 5	< 10	< 5	< 5	< 5	< 5	1 J	< 5	< 1	**71.5**		**6640**	
37D	8/30/2006	< 100	< 5	**260**	< 5	< 10	< 5	3 J	< 5	< 5	1 J	< 5	< 1	**57.4**		**5300**	
37D	11/20/2006	< 100	< 5	**120**	< 5	< 10	< 5	3 J	< 5	< 5	< 5	< 5	< 1	**67.7 J**		**5760**	
37D	2/26/2007	< 100	< 5	63	< 5	< 10	< 5	2 J	< 5	< 5	< 5	< 5	< 1	**63 J**		**5770**	
37D	5/31/2007	< 100	< 5	33	< 5	< 10	< 5	1 J	< 5	< 5	< 5	< 5	< 1	**51.6 J**		**6610**	

Table 5. Summary of Historical Groundwater Analytical Results, Volatile Organic Compounds, Arsenic and Manganese, Tibbetts Road Site, Barrington, NH

Well Designation	Chemical Name / Sample Date	Acetone	Benzene	cis-1,2-Dichloroethene	Ethylbenzene	Methyl-isobutyl-ketone	Styrene	Tetrachloroethene	1,1,1-Trichloroethane	Toluene	Trichloroethene	Vinyl chloride	Total Xylenes	Arsenic	Arsenic	Manganese	Manganese
	Total/Dissolved:	T	T	T	T	T	T	T	T	T	T	T	T	T	D	T	D
	ICL:	None	5	70	700	1825	100	5	200	1000	5	2	10000	10	10	3650	3650
	Unit:	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/l	ug/L	ug/l	ug/L
37D	11/26/2007	< 100	< 5	16	< 5	< 10	< 5	1 J	< 5	< 5	< 5	< 5	< 1	**50.4 J**		**5470**	
37D	5/20/2008	< 100	< 5	8	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 2	< 1	**61.4 J**		**6240**	
37D	11/20/2008	< 100	< 5	4 J	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 2	< 1	**80.6 J**		**6140**	
38D	1/1/1985	18	2 J		7 J	ND		ND	ND	17	ND		58				
38D	5/31/1990	ND	ND		ND	ND		ND	ND	ND	ND		ND				
38D	10/11/1990	< 10	< 5	< 5	< 5	< 23	< 5	< 5	< 5	< 5	< 5	< 10	< 5		**25.6**		446 J
50S	1/1/1985	40	**6 J**		ND	ND		ND	ND	22	ND		52				
50S	6/15/1990	< 10	**41 J**	2 J	360 EJ	< 10	< 5	< 5 UJ	< 5	330 EJ	< 5	< 10	760 EJ				
50S Dilution	10/10/1990	< 200	**140 J**	< 100	**940**	< 200	< 100	< 100	< 100	**2200**	< 100	< 200	3200		**185**		**12400 J**
50S	10/10/1990		**2200**			940		**3200**									
50S	2/8/1994	ND	**22**	ND	490	ND		< 10	ND	62	< 10		1400 >		**41**		
50S	6/2/1995	< 40	**21 J**	< 40	370	< 40	< 40	< 40	< 40	7 J	< 40	< 40	720		**300**		**6130**
50S	11/28/1995	< 5	**32**	< 25	670	< 50	< 25	< 25	< 25	240	< 25	< 25	1700				
50S	4/2/1996	< 400	< 200	< 200	**780**	< 400	< 200	< 200	< 200	< 200	< 200	< 200	2200		**320**		**7900**
50S	8/7/1996	< 100	< 50	< 50	300	< 100	< 50	< 50	< 50	< 50	< 50	< 50	680				
50S	1/8/1997	< 20	**16**	< 10	230	4 J	< 10	< 10	< 10	3 J	< 10	< 10	360				
50S	3/21/1997	ND	**44 J**	< 100	620	< 200		< 100	< 100	34 J	< 100		1200				
50S	4/21/1998	< 50	< 25	< 25	310	< 50	< 25	< 25	< 25	< 25	< 25	< 25	590	**370**		**7100**	
50S	5/5/1999	< 10	**12**	< 5	200	< 10	< 5	< 5	< 5	12	< 5	< 10	210		**141**		187
50S	12/21/1999	< 10	**10**	< 5	210 E	< 10	< 5	< 5	< 5	< 5	< 5	< 5	300		**398**		**5990**
50S	7/12/2000	< 10	**6.8**	< 5	320	< 10	< 5	< 5	< 5	4.3 J	< 5	< 5	440		**445**		**8640**
50S	12/4/2000	< 25	4.0 J	< 5	110	< 10	< 5	< 5	< 5	< 5	< 5	< 5	190		**486**		**8540**
50S	7/24/2001	< 10	**7.4**	< 5	160	< 10	< 5	< 5	< 5	< 5	< 5	< 5	190		**490**		**11000**
50S	12/17/2001	< 10	**5.6**	< 5	85	< 10	< 5	< 5	< 5	< 5	< 5	< 5	160		**1400**		**9400**
50S	7/8/2002	< 10	**9.3**	< 5	85	< 10	< 5	< 5	< 5	< 5	< 5	< 5	190		**420**		**11000**
50S	12/18/2002	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10		**200**		**6600**
50S	6/2/2003	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10	**570**		**6700**	
50S	12/19/2003	< 100	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	**298**		**5700**	
50S	6/2/2004	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	**412**		**4480**	
50S	11/3/2004	< 10	< 5	< 5	1 J	< 10	< 5	< 5	< 5	< 5	< 5	< 5	0.8 J	**457**		**5110**	
50S	5/24/2005	< 100	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 10	1 J	**387**		**6700**	
50S	5/20/2008	< 100	< 5	< 5	3 J	< 10	< 5	< 5	< 5	< 5	< 5	< 2	< 1	**294**		**5220**	
50S	11/19/2008	< 100	< 5	< 5	4 J	< 10	< 5	< 5	< 5	< 5	< 5	< 2	< 1	**471**		**6210**	
51S	1/1/1985	3500	**120**		ND	210		ND	ND	1000	ND		4800				
51S Dup	6/19/1990	< 5000	< 2500	< 2500	< 2500	< 5000	< 2500	< 2500 UJ	< 2500	< 23000	< 2500	< 5000	**18000**		**48.0 J**		**7020**
51S	6/19/1990	< 10000	< 5000	< 5000	< 5000	**10000 J**	< 5000	< 5000 UJ	< 5000	< 24000	< 5000	< 10000	< 21000		**50.8 J**		**6680**
51S	10/9/1990	< 200	**28 J**	< 100	450	200 >	< 100	< 100	< 100	**2500**	< 100	< 200	2200		**165**		**3710 J**
51S	6/2/1995	600 J	< 1000	< 1000	**3400**	850 J	< 1000	< 1000	< 1000	**18000**	< 1000	< 1000	**12000**		**139**		**7410**
51S	11/28/1995	< 50	< 25	< 25	270	< 50	25	< 25	< 25	580	< 25	< 25	2000				
51S	4/10/1996	< 500	< 250	< 250	**4000**	< 500	< 250	< 250	< 250	**7800**	< 250	< 250	**23000**		**140**		**5700**
51S	8/14/1996	< 1000	< 500	< 500	**2300**	< 1000	< 500	< 500	< 500	**17000**	< 500	< 500	**11000**				

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Well Designation	Chemical Name / Sample Date	Acetone	Benzene	cis-1,2-Dichloroethene	Ethylbenzene	Methyl-isobutyl-ketone	Styrene	Tetrachloroethene	1,1,1-Trichloroethane	Toluene	Trichloroethene	Vinyl chloride	Total Xylenes	Arsenic	Arsenic	Manganese	Manganese
	Total/Dissolved:	T	T	T	T	T	T	T	T	T	T	T	T	T	D	T	D
	ICL:	None	5	70	700	1825	100	5	200	1000	5	2	10000	10	10	3650	3650
	Unit:	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/l	ug/L	ug/l	ug/L
51S	1/8/1997	< 1000	< 500	< 500	**1300**	< 1000	< 500	< 500	< 500	**15000**	< 500	< 500	**11000**				
51S	3/20/1997	ND	< 2500	< 2500	**1600 J**	< 5000		< 2500	< 2500	**12000**	< 2500		10000		**110**		**5000**
51S (L)	4/17/1998	< 200	< 100	< 100	**780**	< 200	< 100	< 100	< 100	**1200**	< 100	< 100	4300		**210**		**5800**
51S (L)	10/26/1998	< 200	< 100	< 100	**750**	< 200	< 100	< 100	< 100	350	< 100	< 100	3000		**230**		**6300**
51S	5/4/1999	< 10	1.5 J	< 5	73	< 10	< 5	< 5	< 5	130	< 5	< 5	400		**307**		**9510**
51S	12/20/1999	< 100	< 5	< 5	**870**	< 10	< 16	< 5	< 5	140 B	< 5	< 16	4300		**249**		**9440**
51S-Dilution	7/12/2000	< 10	< 12	< 16	**790 D**	< 40	< 16	< 16	< 5	960 D	< 10	< 16	7000 D				
51S	7/12/2000	< 10	**7.6**	< 5	620 E	< 10	< 5	< 5	< 5	**1200 E**	< 5	< 5	5500 E		**151**		**6400**
51S	12/4/2000	< 25	**14**	< 6.4	**830**	< 16	< 6.4	< 6.4	< 5	190	< 5	< 6.4	3300		**198**		**9020**
51S	7/24/2001	< 100	< 50	< 50	**840**	< 100	< 50	< 50	< 50	670	< 50	< 50	5900		**300**		**10000**
51S (duplicate)	7/24/2001	< 200	< 100	< 100	**980**	< 200	< 100	< 100	< 100	780	< 100	< 100	7100		**280**		**10000**
51S-Dilution	12/17/2001	43 D	< 10	< 10	220 D	< 20	< 10	< 10	< 10	< 10	< 10	< 10	56 D				
51S	12/17/2001	< 10	< 5	< 5	230 E	< 10	< 5	< 5	< 5	7.7	< 5	< 5	58		**380**		**10000**
51S	7/8/2002	< 10	< 5	< 5	5.7	< 10	< 5	< 5	< 5	< 5	< 5	< 5	100		**17**		**4100**
51S	12/18/2002	< 10	< 5	< 5	33	< 10	< 5	< 5	< 5	< 5	< 5	< 5	70		**57**		**6600**
51S	6/2/2003	< 10	< 10	< 5	36	< 10	< 10	< 10	< 5	< 5	< 10	< 10	500 E	**54**		**5600**	
51S	6/2/2003	< 20	< 5	< 10	36 D	< 20	9.3	< 5	< 10	< 10	< 5	< 5	490 D				
51S	12/19/2003	< 100	< 5	< 5	34	< 10	< 5	< 5	< 5	< 5	< 5	< 10	340	**50.4**		**4600**	
51S	5/28/2004	< 10	< 5	< 5	31	< 10	< 5	< 5	< 5	< 5	< 5	< 5	278	**75**		**5370**	
51S	11/2/2004	< 10	1 J	< 5	7	< 10	< 5	< 5	< 5	1 J	< 5	< 5	53	**136**		**6400**	
51S	5/17/2005	< 100	< 5	< 5	21	< 10	< 5	< 5	< 5	1 J	< 5	< 10	114	**125**		**4510**	
51S	11/10/2005	< 100	3 J	< 5	39	< 10	< 5	< 5	< 5	< 5	< 5	< 5	68	**139**		**5440**	
51S	6/26/2006	< 100	< 5	< 5	39	< 10	< 5	< 5	< 5	2 J	< 5	< 5	51	**188**			
51S	11/29/2006	< 100	2 J	< 5	93	< 10	< 5	< 5	< 5	4 J	< 5	< 5	133	**150**		**5690**	
51S	5/19/2008	< 100	< 5	< 5	30	< 10	< 5	< 5	< 5	< 5	< 5	< 2	57	**133**		**4250**	
51S	11/17/2008	< 100	< 5	< 5	28	< 10	< 5	< 5	< 5	< 5	< 5	< 2	31	**208**		**4420**	
52S	1/1/1985	5400	1700		**ND**	47000		18 J	ND	5200	84 J		750				
52S Dilution	1/1/1985	8500	**1700**		ND	**96000**		ND	ND	**8100**	ND		1500				
52S	6/15/1990	ND	**960 J**		ND	ND		ND	ND	**12000 J**	**310 J**		ND		**30.1 J**		**12600**
52S	10/10/1990	< 500	**1100**	**200 J**	**880**	< 500	< 250	**130 J**	< 250	**4600**	**300**	< 500	2000		**150**		**18600 J**
52S	5/31/1991	ND	**200**	**180**	110	ND		ND	ND	880	**29 J**		290		**63.6**		**8910**
52S	5/24/1994	ND	3.8	1.6	4.3	ND		3.2	ND	ND	4.2		3.9		ND		
52S	6/2/1995	< 10	2 J	8 J	2 J	< 10	< 10	**10**	< 10	< 10	**20**	< 10	< 10		< 5		1430
52S	11/28/1995	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5				
52S	4/3/1996	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	**< 5**		< 5		150
52S	8/13/1996	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5				
52S	1/8/1997	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5				
52S	3/21/1997	ND	< 5	< 5	< 5	< 10		< 5	< 5	2 J	< 5		< 5				
52S	4/21/1998	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	2.7		97	
52S	5/6/1999	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	2.6 BJ	< 5	< 10	< 15		**120**		166
52S	12/21/1999	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 15		6.2		124

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Well Designation	Chemical Name / Sample Date	Acetone	Benzene	cis-1,2-Dichloroethene	Ethylbenzene	Methyl-isobutyl-ketone	Styrene	Tetrachloroethene	1,1,1-Trichloroethane	Toluene	Trichloroethene	Vinyl chloride	Total Xylenes	Arsenic	Arsenic	Manganese	Manganese
	Total/Dissolved:	T	T	T	T	T	T	T	T	T	T	T	T	T	D	T	D
	ICL:	None	5	70	700	1825	100	5	200	1000	5	2	10000	10	10	3650	3650
	Unit:	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/l	ug/L	ug/l	ug/L
52S	7/13/2000	< 10	< 5	2.7 J	< 5	< 10	< 5	1.8 J	< 5	< 5	< 5	< 5	< 15		**13.7**		**7120**
52S	12/6/2000	< 25	< 5	< 5	< 5	6.1 J	< 5	< 5	< 5	< 5	< 5	< 5	< 15		< 7		156
52S	7/26/2001	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10		**51**		3400
52S-Dilution	12/19/2001	< 20	**52 D**	12 D	< 10	220 D	< 10	< 10	< 10	210 D	< 10	< 10	< 20				
52S	12/19/2001	16	**110**	22	9	610 E	< 5	< 5	< 5	430 E	< 5	< 5	37		**410**		**9600**
52S	6/13/2002	ND	< 5	< 5	< 5	< 10		< 5	< 5	< 5	< 5		< 10				
52S	7/10/2002	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10		< 10		99
52S	12/18/2002	< 10	< 5	5.1	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10		< 10		1100
52S	6/4/2003	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10		50	
52S	12/16/2003	< 100	< 5	1 J	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5		807	
52S	2/9/2004	< 10	< 5	2 J	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5		1960	
52S	3/22/2004	< 10	< 5	1 J	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5		1270	
52S	5/20/2005	< 100	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 10	< 1	< 5		650	
52S	11/27/2006	< 100	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 100		1000	
53S	1/1/1985	56	2 J		ND	19		ND	ND	8 J	ND		36				
53S	6/15/1990	ND	ND		ND	ND		ND	ND	ND	ND		ND				
53S Dup	10/11/1990	< 10	< 5	< 5	< 5	< 10	< 5	**7**	< 5	< 5	**9**	< 10	< 5		**26.1**		393 J
53S	10/11/1990	< 10	< 5	< 5	< 5	< 10	< 5	**8**	< 5	< 5	**10**	< 10	< 5		**17.2**		536 J
53S	5/31/1991	ND	ND		ND	ND		ND	ND	ND	ND		ND		3.6		48
53S	5/24/1994	ND	ND	ND	ND	ND		3.3	ND	ND	1.4		ND		ND		
53S	4/8/1996	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5		< 5		33
53S	8/13/1996	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5				
53S	1/8/1997	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5				
53S	3/21/1997	ND	< 5	< 5	< 5	< 10		< 5	< 5	< 5	**7**		< 5				
53S	4/21/1998	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2		37	
53S	5/6/1999	< 10	3.1 J	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 10	< 15		< 2		< 1
53S	12/21/1999	< 10	1.1 J	< 5	3.4 J	< 10	< 5	< 5	< 5	1.5 J	2.3 J	< 5	3 J		< 2		93.2
53S	7/13/2000	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 15		< 7		164
53S	12/6/2000	< 25	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 15		< 7		125
53S	7/26/2001	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10		< 10		130
53S	7/10/2002	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10		< 10		59
53S	5/26/2005	< 100	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 10	< 1	< 5		44.4	
54S	1/1/1985	ND	ND		ND	ND		ND	ND	1 J	ND		ND				
54S	6/15/1990	ND	ND		ND	ND		ND	ND	ND	ND		ND				
54S	10/11/1990	< 10	< 5	< 5	< 5	< 36	< 5	< 5	< 5	< 5	< 5	< 10	< 5		**18.2**		760 J
54S	11/28/1995	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5				
54S	4/9/1996	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5		< 5		67
54S	8/8/1996	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	7	< 5	< 5	7				
55S	7/11/1984	25000 >	**980**		**1827**			**125**		**18732**	**214**						
55S	11/26/1984		**1468**		**1945**					**31703**							
55S	6/19/1990	< 12	< 5	< 5	< 5	< 10	< 5	2 J	< 5	< 5	< 5	< 10	< 25				

Table 5. Summary of Historical Groundwater Analytical Results, Volatile Organic Compounds, Arsenic and Manganese, Tibbetts Road Site, Barrington, NH

Well Designation	Chemical Name / Sample Date	Acetone	Benzene	cis-1,2-Dichloroethene	Ethylbenzene	Methyl-isobutyl-ketone	Styrene	Tetrachloroethene	1,1,1-Trichloroethane	Toluene	Trichloroethene	Vinyl chloride	Total Xylenes	Arsenic	Arsenic	Manganese	Manganese
	Total/Dissolved:	T	T	T	T	T	T	T	T	T	T	T	T	T	D	T	D
	ICL:	None	5	70	700	1825	100	5	200	1000	5	2	10000	10	10	3650	3650
	Unit:	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/l	ug/L	ug/l	ug/L
57S	7/11/1984	1811	**244**		**1319**	250		ND	ND	**18655**	**10361**		**10790**				
57S	11/26/1984	ND	ND		**1989**			ND	ND	**37322**	**13091**		**11287**				
57S	1/1/1985	18000	**1900**		**4700**	**21000**		**110 J**	ND	**140000**	**27000**		**28000**				
57S	6/19/1990	< 1000	**170 J**	< 500	< 500	< 1100	< 500	< 500 UJ	< 500	**3900 J**	< 1700	< 1000	< 1300		**55.0 J**		**19900**
57S	10/11/1990	< 1000	**160**	**4000**	**1700**	< 1000	< 500	< 500	< 500	**7700**	**7800**	< 1000	5400		**96.8**		**16100 J**
57S Dilution	2/14/1992	ND													ND		
57S	2/14/1992	ND													0.086		
57S	2/8/1994	ND	< 500	**18000**	**1800**	ND		< 500	< 500	**28000**	**3200**		8400		**120**		
57S	5/31/1995	160 J	**100 J**	**15000**	**760**	< 500	< 500	< 500	< 500	250 J	**7200**	< 500	220 J		**113**		**14000**
57S	11/29/1995	< 1000	< 500	**9400**	< 500	< 1000	< 500	< 500	< 500	< 500	**3800**	< 500	< 500				
57S	4/8/1996	< 500	< 250	**6600**	400	< 500	< 250	< 250	< 250	**1100**	**2600**	< 250	400		**260**		**16000**
57S	8/7/1996	< 1000	< 500	**1900**	< 500	< 1000	< 500	< 500	< 500	< 500	< 500	< 500	< 500		**190**		**13000**
57S	1/8/1997	< 100	**21 J**	**1300**	200	< 100	14 J	< 50	< 50	77	**2000**	< 50	770				
57S Corrected	3/20/1997	< 5000	< 2500	**7500**	**2200 J**	< 5000	< 2500	< 2500	< 2500	**37000**	**8700**	< 2500	**12000**				
57S	3/20/1997	ND	< 2500	< 2500	**2200 J**	< 5000		< 2500	< 2500	**37000**	**8700**		**12000**		**160**		**18000**
57S	4/20/1998	< 2000	< 1000	**1400**	**2400**	< 2000	< 1000	< 1000	< 1000	**28000**	**6500**	< 1000	6300	**170**		**19000**	
57S	5/4/1999	< 10	**200**	**1500 E**	**1300 E**	< 10	< 5	**160**	< 5	**7000 E**	**3700 E**	< 10	7300 E		**310**		**18200**
57S Dup	5/4/1999	< 10	**180**	**1400 E**	**1100 E**	< 10	< 5	**140**	< 5	**5900 E**	**3000 E**	< 10	5800 E		**289**		**29400**
57S Dup-Dilution	5/4/1999	< 80	< 240	**870 D**	**1800 D**	< 800	< 320	< 320	< 80	**31000 BD**	**2200 D**	< 320	7100 D				
57S-Dilution	5/4/1999	< 80	< 240	**900 D**	**3000 D**	< 800	< 320	< 320	< 80	**42000 BD**	**3300 D**	< 320	**11000 D**				
57S-L	7/14/1999	< 40	< 120	**2900**	**1900**	< 400	< 160	< 160	< 40	**9500**	**330**	< 160	3500				
57S-M-Dilution	7/14/1999	< 20	< 60	**1600 D**	**1700 D**	< 200	< 80	< 80	< 20	**5400 D**	**200 D**	< 80	4700 D				
57S Dup-Dilution	12/20/1999	< 10	< 5	**250 D**	180 D	< 10	< 5	< 5	< 5	43 D	**18 D**	< 5	150 D				
57S-Dilution	12/20/1999	< 10	< 5	**250 D**	210 D	< 10	< 5	2.5 DJ	< 5	47 D	**22 D**	< 5	140 D				
57S Dup	12/20/1999	< 10	1.6 J	**330 E**	210 E	< 10	1.2 J	2.0 J	< 5	46	**23**	< 5	140		**248**		**27500**
57S	12/20/1999	< 10	1.5 J	**380 E**	260 E	< 10	< 5	1.5 J	< 5	82 B	**22**	< 5	240		**122**		**27800**
57S	7/13/2000	< 10	< 12	**670**	**1700**	< 40	< 16	< 16	< 5	**2200**	**85**	< 16	3800		**126**		**44500**
57S	12/5/2000	< 25	< 12	**450**	340	< 40	< 16	< 16	< 5	980	< 10	< 16	1000		**80.1**		**25000**
57SDup	12/5/2000	< 25	< 5	**490**	250	< 10	< 5	< 5	< 5	730	< 5	< 5	740		**69.4**		**31000**
57S	7/25/2001	< 50	< 25	**440**	**760**	< 50	< 25	< 25	< 25	58	< 25	< 25	1300		**66**		**23000**
57S	12/17/2001	52	< 25	**6100 E**	**3800 E**	< 50	< 25	< 25	< 25	**13000 E**	< 25	< 25	**14000 E**		**300**		**23000**
57S-Dilution	12/17/2001	< 2500	< 1200	**5300 D**	**4400 D**	< 2500	< 1200	< 1200	< 1200	**33000 D**	< 1200	< 1200	**20000 D**				
57SDup	6/13/2002	ND	< 120	**960 D**	**790 D**	< 250		< 120	< 25	**2500 D**	< 120		3000 D				
57S	6/13/2002	ND	< 25	**1000 E**	**810**	< 10		< 25	< 25	**2800 E**	< 25		2900				
57S	7/8/2002	< 40	< 20	**230**	84	< 40	< 20	< 20	< 20	510	< 20	< 20	380		**11**		**11000**
57SDup	7/8/2002	< 40	< 20	**260**	97	< 40	< 20	< 20	< 20	580	< 20	< 20	440		**14**		**11000**
57S	12/17/2002	< 40	< 20	**570**	620	< 40	< 20	< 20	< 20	97	< 20	< 20	1500		**110**		**12000**
157S (57S DUP)	12/17/2002	< 40	< 20	**580**	640	< 40	< 20	< 20	< 20	98	< 20	< 20	1600		**110**		**12000**
257S	6/6/2003	< 10	< 5	**120**	170	< 10	< 5	< 5	< 5	18	< 5	< 5	320	**35**		**7100**	
57S	6/6/2003	< 20	< 10	**140**	180	< 20	< 10	< 10	< 10	22	< 10	< 10	340	**33**		**6900**	
157S (57S DUP)	12/19/2003	< 100	< 5	**200**	200	< 10	< 5	< 5	< 5	27	< 5	< 5	273	**57.6**		**8820**	

Table 5. Summary of Historical Groundwater Analytical Results, Volatile Organic Compounds, Arsenic and Manganese, Tibbetts Road Site, Barrington, NH

	Chemical Name	Acetone	Benzene	cis-1,2-Dichloroethene	Ethylbenzene	Methyl-isobutyl-ketone	Styrene	Tetrachloroethene	1,1,1-Trichloroethane	Toluene	Trichloroethene	Vinyl chloride	Total Xylenes	Arsenic	Arsenic	Manganese	Manganese
	Total/Dissolved:	T	T	T	T	T	T	T	T	T	T	T	T	T	D	T	D
	ICL:	None	5	70	700	1825	100	5	200	1000	5	2	10000	10	10	3650	3650
	Unit:	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/l	ug/L	ug/l	ug/L
Well Designation	**Sample Date**																
57S	12/19/2003	< 100	< 5	**180**	210	< 10	< 5	< 5	< 5	27	< 5	< 5	273	**57.5**		**8850**	
57S	5/27/2004	< 10	< 5	11	13	< 10	< 5	< 5	< 5	< 5	< 5	< 5	16	**13.5**		**5430**	
157S (57S DUP)	5/27/2004	< 10	< 5	11	12	< 10	< 5	< 5	< 5	< 5	< 5	< 5	14	**15.4**		**5450**	
157S (57S DUP)	11/4/2004	< 10	< 5	**450**	530	< 10	7	< 5	< 5	960	2 J	< 5	1140	**99.3**		**10600**	
57S	11/4/2004	< 10	< 5	**450**	590	< 10	7	< 5	< 5	1000	2 J	< 5	1180	**104**		**10700**	
57S	5/24/2005	< 100	< 5	**110**	200	< 10	6.0	< 5	< 5	160	< 5	< 10	348	**36**		**5440**	
157S (57S DUP)	5/24/2005	< 100	< 5	**130**	290	< 10	6.0	< 5	< 5	180	< 5	< 10	405	**36.5**		**5260**	
57S	11/8/2005	< 100	< 5	**100**	230	< 10	< 5	< 5	< 5	120	< 5	< 5	460	**51.6**		**6050**	
157S (57S DUP)	11/8/2005	< 100	< 5	**110**	240	< 10	< 5	< 5	< 5	110	< 5	< 5	442	**53.8**		**6300**	
57S	6/27/2006	< 100	< 5	**84**	190	< 10	1 J	< 5	< 5	16	< 5	< 5	227	**53.8**		**4550**	
157S (57S DUP)	6/27/2006	< 100	< 5	**85**	210	< 10	1 J	< 5	< 5	19	< 5	< 5	249	**56.4**		**4970**	
57S	11/27/2006	< 100	< 5	16	64	< 10	< 5	< 5	< 5	4 J	< 5	< 5	62	**53.6 J**		**4800**	
157S (57S DUP)	11/27/2006	< 100	< 5	17	62	< 10	< 5	< 5	< 5	4 J	< 5	< 5	59	< 100		**4770**	
57S	6/1/2007	< 100	< 5	17	110	< 10	2 J	< 5	< 5	8	< 5	< 5	116	**33 J**		**5390**	
157S (57S DUP)	6/1/2007	< 100	< 5	17	120	< 10	2 J	< 5	< 5	8	< 5	< 5	116	< 100		**5290**	
57S	11/30/2007	< 100	< 5	44	330	< 10	< 5	< 5	< 5	100	2 J	< 5	438				
157S (57S DUP)	11/30/2007	< 100	< 5	42	280	< 10	< 5	< 5	< 5	92	2 J	< 5	403				
57S DUP	5/23/2008	< 100	< 5	3 J	52	< 10	< 5	< 5	< 5	2 J	< 5	< 2	42	< 100		2490	
57S	5/23/2008	< 100	< 5	3 J	52	< 10	< 5	< 5	< 5	2 J	< 5	< 2	45	< 100		2250	
157S (57S DUP)	11/19/2008	< 100	< 5	7	250	< 10	< 5	< 5	< 5	21	< 5	< 2	273	**66.5 J**	**66.9 J**	**6550**	**6430**
57S	11/19/2008	< 100	< 5	7	250	< 10	< 5	< 5	< 5	20	< 5	< 2	250	**78.6 J**	**76.3 J**	**6380**	**6520**
58S	9/18/1984	ND	ND		ND	ND		ND	ND	ND	ND		ND				
58S	11/26/1984	ND	ND		ND	ND		ND	ND	ND	ND		ND				
58S	1/1/1985	ND	ND		ND	ND		ND	ND	ND	ND		ND				
58S	6/15/1990	< 10	< 5	< 5	< 5	< 10	< 5	< 5 UJ	< 5	< 5	< 5	< 10	< 5		< 4.8 UJ		2200
58S	10/9/1990	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 10	< 5		**20**		856 J
58S	6/9/1995	< 10	< 10	< 10	< 10	< 10	< 10	< 10	ND	< 10	< 10	< 10	< 10		< 5		8.0 B
59R	9/18/1984	ND	ND	ND		ND		ND	ND	ND	ND		ND				
59R	11/26/1984	ND	ND	ND		ND		ND	ND	ND	ND		ND				
59R	1/1/1985	7 J	ND	ND		ND		ND	ND	ND	ND		ND				
59R	6/1/1990	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 10	< 5				
59R Dup	6/1/1990	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 10	< 5				
59R	5/21/2008	< 100	< 5	< 5	< 5	< 10	< 5	< 5	< 5	8	< 5	< 2	< 1	< 100		99.9	
59R	11/20/2008	< 100	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 2	< 1	< 100		111	
60S	9/18/1984	24000	**702.5**		**1500**	**3440**		ND	ND	**6500**	**26.4**		4000				
60S	11/26/1984	ND	**741**		**3346**			ND	ND	**49169**	**636**		**15556**				
61R	9/18/1984	60	< 5			20.5		ND	ND	5.3	< 5		ND				
61R	11/26/1984	ND	< 5		< 5	ND		ND	ND	29.1	< 5		ND				
61R	1/1/1985	54	ND			ND		ND	ND	ND	**16**		ND				
61R	6/1/1990	< 10	2 J	< 5	< 5	< 10		< 5	< 5	< 5	5	< 10	< 5				
61R	6/2/1995	< 10	2 J	2 J	< 10	< 10	< 10	< 10	< 10	< 10	**28**	< 10	2 J		**26**		134

Table 5. Summary of Historical Groundwater Analytical Results, Volatile Organic Compounds, Arsenic and Manganese, Tibbetts Road Site, Barrington, NH

Well Designation	Chemical Name / Sample Date	Acetone	Benzene	cis-1,2-Dichloroethene	Ethylbenzene	Methyl-isobutyl-ketone	Styrene	Tetrachloroethene	1,1,1-Trichloroethane	Toluene	Trichloroethene	Vinyl chloride	Total Xylenes	Arsenic	Arsenic	Manganese	Manganese
	Total/Dissolved:	T	T	T	T	T	T	T	T	T	T	T	T	T	D	T	D
	ICL:	None	5	70	700	1825	100	5	200	1000	5	2	10000	10	10	3650	3650
	Unit:	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/l	ug/L	ug/l	ug/L
61R	4/1/1996	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	**17**	< 5	< 5		**26**		170
61R	10/26/1998	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	**10**	< 5	< 5		8.9		180
61R	7/24/2001	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	**13**	< 5	< 10		**80**		490
61R	7/9/2002	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10		< 10		< 10
61R	11/5/2004	< 10	4 J	6	< 5	< 10	< 5	< 5	< 5	< 5	**14**	< 5	< 5	**35.6**		260	
61R	5/31/2005	< 100	2 J	6	< 5	< 10	< 5	< 5	< 5	< 5	**12**	< 10	1 J	**51.7**		311	
61R	5/22/2008	< 100	2 J	7	< 5	< 10	< 5	< 5	< 5	2 J	**9**	< 2	< 1	**45.8 J**		245	
62S	9/18/1984	16	ND		ND	5.4		ND	ND	ND	**27.8**		ND				
62S	11/26/1984	ND	ND		ND	ND		ND	ND	ND	**18.5**		ND				
62S	1/1/1985	ND	4 J		ND	ND		ND	ND	ND	**22**		ND				
62S	6/15/1990	< 10	< 5	< 5	< 5	< 10	< 5	< 5 UJ	< 5	< 5	**21 J**	< 10	< 5		**24.7 J**		**7800**
62S	10/10/1990	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 10	< 5		< 10.9		254 J
63R	9/18/1984	6	**11.8**	ND		ND		ND	ND	< 5	**23.1**		ND				
63R	11/26/1984	ND	**33.5**	ND		ND		ND	ND	ND	**77.5**		ND				
63R	1/1/1985	ND	**14**	ND		2 J		ND	ND	2 J	**310**		ND				
63R	6/1/1990	< 10	**14**	< 5	< 5	< 10	< 5	< 5	< 5	< 5	**45**	< 10	< 5				
63R	7/24/2001	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	**24**	< 5	< 10		**27**		340
63R	7/9/2002	< 10	**5.5**	< 5	< 5	< 10	< 5	< 5	< 5	< 5	**33**	< 5	< 10		**22**		310
63R	12/20/2002	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	**25**	< 5	< 10		**22**		310
63R	6/6/2003	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	**30**	< 5	< 10	**25**		350	
63R	12/22/2003	< 100	< 5	2 J	< 5	< 10	< 5	< 5	< 5	< 5	**22**	< 5	< 5	**29.1**		336	
63R	6/2/2004	< 10	5.0	2 J	< 5	< 10	< 5	< 5	< 5	< 5	**31**	< 5	< 5	**25.9**		297	
63R	11/9/2004	< 10	3 J	2 J	< 5	< 10	< 5	< 5	< 5	< 5	**18**	< 5	< 5	**25.2**		324	
63R	6/3/2005	< 100	**6**	4 J	< 5	< 10	< 5	< 5	< 5	< 5	**35**	< 10	< 1	**26**		328	
63R	11/7/2005	< 100	4 J	6	< 5	< 10	< 5	< 5	< 5	< 5	**25**	< 5	< 1	**15.8**		204	
63R	6/30/2006	< 100	5	15	< 5	< 10	< 5	< 5	< 5	< 5	**28**	< 5	< 1	**19.4**			
63R	11/28/2006	< 100	1 J	7	< 5	< 10	< 5	< 5	< 5	< 5	**17**	< 5	< 1	< 100		117	
63R	6/1/2007	< 100	4 J	8	< 5	< 10	< 5	< 5	< 5	< 5	**18**	< 5	< 1	< 100		324	
63R	5/23/2008	17 J	3 J	9	< 5	< 10	< 5	< 5	< 5	< 5	**14**	< 2	< 1	**39 J**		329	
64S	9/18/1984	ND	ND		ND	ND		ND	ND	ND	ND		ND				
64S	1/1/1985	ND	ND		ND	ND		ND	ND	ND	ND		ND				
64S	6/15/1990	< 10	< 5	< 5	< 5	< 10	< 5	< 5 UJ	< 5	< 5	< 5	< 10	< 5		< 5.8 UJ		1890
64S	10/10/1990	< 12	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 10	< 5		< 12.6		616 J
64S Dup	10/10/1990	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 10	< 5		< 9.1		441 J
65R	9/18/1984	43	**122.6**	7.2		130		ND	14.1	24.8	**327.2**		ND				
65R	11/26/1984	ND	**226**	ND				ND	ND	ND	**629**		ND				
65R	1/1/1985	290	**200**	ND		210		2 J	ND	2 J	**650**		ND				
65R	6/6/1990	< 26	**39**	18	< 5	43	< 5	< 5	< 5	4 J	**110**	< 10	< 5				
65R	8/13/1996	< 10	**140**	**95**	< 5	130	< 5	< 5	< 5	< 5	**72**	< 5	6		**17**		1300
65R	7/26/2001	< 10	**6.1**	5.8	< 5	< 10	< 5	< 5	< 5	< 5	**9.4**	< 5	< 10		< 10		1000
65R	7/10/2002	< 10	< 5	7.2	< 5	< 10	< 5	< 5	< 5	< 5	**9.4**	< 5	< 5		ND		280

Table 5. Summary of Historical Groundwater Analytical Results, Volatile Organic Compounds, Arsenic and Manganese, Tibbetts Road Site, Barrington, NH

Well Designation	Sample Date	Acetone	Benzene	cis-1,2-Dichloroethene	Ethylbenzene	Methyl-isobutyl-ketone	Styrene	Tetrachloroethene	1,1,1-Trichloroethane	Toluene	Trichloroethene	Vinyl chloride	Total Xylenes	Arsenic	Arsenic	Manganese	Manganese
	Total/Dissolved:	T	T	T	T	T	T	T	T	T	T	T	T	T	D	T	D
	ICL:	None	5	70	700	1825	100	5	200	1000	5	2	10000	10	10	3650	3650
	Unit:	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/l	ug/L	ug/l	ug/L
65R	12/20/2002	16	**64**	30	< 5	< 10	< 5	< 5	< 5	< 5	**12**	< 5	< 10		**15**		680
65R	6/5/2003	< 10	**22**	24	< 5	< 10	< 5	< 5	< 5	< 5	**13**	< 5	< 10	**13**		770	
65R	12/22/2003	< 100	**12**	24	< 5	< 10	< 5	< 5	< 5	< 5	**13**	< 5	< 5	**15.5**		737	
65R	6/2/2004	< 10	**8**	17	< 5	< 10	< 5	< 5	< 5	< 5	**17**	< 5	< 5	**13.4**		605	
65R	11/9/2004	< 10	4 J	18	< 5	< 10	< 5	< 5	< 5	< 5	**12**	1 J	< 5	**13.2**		720	
165R	6/3/2005	< 100	< 5	19	< 5	< 10	< 5	< 5	< 5	< 5	**12**	< 10	< 1	**41.9**		1720	
65R	6/3/2005	< 100	< 5	20	< 5	< 10	< 5	< 5	< 5	< 5	**12**	< 10	< 1	**34.6**		1410	
65R	11/7/2005	< 100	**78**	**200**	4 J	< 10	< 5	< 5	< 5	1 J	**29**	1 J	2	**17.1**		751	
65R	7/5/2006	< 100	**110**	**300**	10	2 J	< 5	< 5	< 5	10	**46**	**2 J**	25	**12.8**		827	
65R	11/28/2006	< 100	**17**	**100**	2 J	< 10	< 5	< 5	< 5	2 J	**14**	< 5	1 J	< 100		722	
65R	6/1/2007	< 100	**48**	**150**	10	6 J	< 5	< 5	< 5	10	**14**	**3 J**	14	< 100		850	
65R DUP	5/23/2008	< 100	**25**	**120**	7	< 10	< 5	< 5	< 5	2 J	**11**	< 2	6	**24.7 J**		793	
65R	5/23/2008	< 100	**24**	**120**	6	< 10	< 5	< 5	< 5	2 J	**11**	< 2	5	< 100		763	
65R	11/19/2008	< 100	**8**	**75**	2 J	< 10	< 5	< 5	< 5	< 5 UB	**7**	< 2	1 J	< 100		802	
67R	9/18/1984	< 5	< 5	ND		ND		< 5	ND	ND	**6.4**		ND				
67R	11/26/1984	ND	**6**	ND		ND		ND	ND	ND	< 5		ND				
67R	1/1/1985	6 J	2 J	ND		3 J		ND	ND	ND	**26**		ND				
67R	5/31/1990	< 10	3 J	< 5	< 5	< 10	< 5	< 5	< 5	< 5	**9**	< 10	< 5				
67R	2/14/1992	ND													**18**		
67R Dilution	2/14/1992	ND													**13**		
67R	5/31/1995	18	3 J	< 10	< 10	14	< 10	< 10	< 10	6 J	5 J	< 10	2 J		< 5		53
67R	4/5/1996	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5		< 5		26
67R	7/24/2001	< 10	< 5	5.3	< 5	< 10	< 5	< 5	< 5	< 5	**15**	< 5	< 10		< 0.1		370
67R	7/9/2002	< 10	< 5	6.0	< 5	< 10	< 5	< 5	< 5	< 5	**19**	< 5	< 10		< 10		350
67R	12/17/2002	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	**12**	< 5	< 10		< 10		320
67R	6/9/2003	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	**15**	< 5	< 10	< 10		300	
67R	12/26/2003	< 10	< 5	3 J	< 5	< 10	< 5	< 5	< 5	< 5	**17**	< 5	< 5	6.94		182	
67R	5/27/2004	< 10	< 5	3 J	< 5	< 10	< 5	< 5	< 5	< 5	**14**	< 5	< 5	< 5		153	
67R	11/5/2004	< 10	1 J	2 J	< 5	< 10	< 5	< 5	< 5	< 5	**12**	< 5	< 5	< 5		165	
67R	6/2/2005	< 100	**6**	31	< 5	2 J	< 5	< 5	< 5	1 J	**29**	< 10	< 1	**14.3**		43.7	
67R	11/9/2005	< 100	5	9	< 5	< 10	< 5	< 5	< 5	< 5	**16**	< 5	< 1	**10.5**		95	
67R	6/28/2006	< 100	1 J	10	< 5	< 10	< 5	< 5	< 5	< 5	**14**	< 5	< 1	6.28			
67R	11/27/2006	< 100	< 5	12	< 5	< 10	< 5	< 5	< 5	< 5	**14**	< 5	< 1	< 100		76.6	
67R	5/31/2007	< 100	< 5	5 J	< 5	< 10	< 5	< 5	< 5	< 5	**10**	< 5	< 1	< 100		119	
67R	5/23/2008	< 100	< 5	3 J	< 5	< 10	< 5	< 5	< 5	< 5	**8**	< 2	< 1	< 100		115	
68S	9/18/1984	8500	**575.2**		130	**19000**		ND	ND	**2270**	**771.6**		1046				
68S	11/26/1984		**2573**		ND			ND	ND	**11938**	ND		ND				
69R	9/18/1984	10000 >	**500**			**10000**		**10.6**	ND	**3300**	**3000**		500				
69R	11/26/1984		**473**					ND	ND	893	**1415**		ND				
69R	6/19/1990	< 1000	**490 J**	< 500	< 500	**5500**	< 500	< 500 UJ	< 500	< 1400	< 500	< 1000	< 500		**31.6 J**		**3880**
69R	10/10/1990	5000	**2800**	**1100 J**	**1100 J**	**41000 J**	**330 J**	< 1250	**220 J**	**5400**	**650 J**	< 2500	< 2700 UJ		**80**		2880 J

Table 5. Summary of Historical Groundwater Analytical Results, Volatile Organic Compounds, Arsenic and Manganese, Tibbetts Road Site, Barrington, NH

	Chemical Name	Acetone	Benzene	cis-1,2-Dichloroethene	Ethylbenzene	Methyl-isobutyl-ketone	Styrene	Tetrachloroethene	1,1,1-Trichloroethane	Toluene	Trichloroethene	Vinyl chloride	Total Xylenes	Arsenic	Arsenic	Manganese	Manganese
	Total/Dissolved:	T	T	T	T	T	T	T	T	T	T	T	T	T	D	T	D
	ICL:	None	5	70	700	1825	100	5	200	1000	5	2	10000	10	10	3650	3650
	Unit:	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/l	ug/L	ug/l	ug/L
Well Designation	**Sample Date**																
69R	6/1/1991	7800	**4000**	**1700 J**		**53000 B**		ND	ND	**9000**	ND		2900				
69R	5/24/1994	ND	**3500**	**1100**	310	**10000 >**		< 100	ND	**4600**	< 100		1300		**114**		
69R	6/2/1995	15000	**2700 J**	< 4000	< 4000	**51000**	< 4000	< 4000	< 4000	**7300**	< 4000	< 4000	< 4000		**135**		**5330**
69R	4/5/1996	< 200	**2100**	**1100**	< 100	< 200	< 100	< 100	< 100	**1900**	< 100	< 100	230		**960**		**6600**
69R	8/14/1996	< 250	**4100**	**1300**	360	< 250	< 120	< 120	< 120	690	< 120	< 120	1800		**160**		**7500**
69R	1/8/1997	< 250	**5200**	**1200**	290	< 250	< 120	< 120	< 120	400	< 120	< 120	1400				
69R	3/21/1997	ND	**6300**	**1800**	**790**	< 500		< 250	< 250	740	**170 J**		3500				
69-R	6/9/1997	15000	**4700**	**1400**	410 J	**76000**	< 1200	< 1200	< 1200	**16000**	< 1200	< 1200	1600	**22**		**4900**	
69R	6/27/1997	21000	**5100**	**1200**	580 J	**70000**	< 1200	< 1200	< 1200	**19000**	< 1200	< 1200	2800				
69R	7/10/1997	17000	**5300**	**1100 J**	660 J	**54000**	< 1200	< 1200	< 1200	**20000**	< 1200	< 1200	2900	**110**		**4600**	
69R	7/24/1997	21000	**4100**	**920 J**	660 J	**61000**	< 1200	< 1200	< 1200	**17000**	< 1200	< 1200	2800		**83**		**5100**
69R	8/25/1997	11000	**3800**	**880 J**	**1200**	**44000**	< 1200	< 1200	< 1200	**12000**	< 1200	< 1200	5300	**160**		**5000**	
69R	4/21/1998	< 1000	**3600**	**720**	< 500	**26000**	< 500	< 500	< 500	**12000**	< 500	< 500	1700	**120**		**4600**	
69R	7/1/1999	< 40	**3500**	**960**	260	< 400	< 160	< 160	< 40	**19000**	< 100	< 160	1300				
69R	2/16/2000	< 16	**3300**	**990**	390	< 160	< 64	< 64	< 16	**7500**	< 40	< 64	1800				
69R	7/13/2000	< 10	**4000**	**720**	580	**32000**	< 40	< 40	< 10	**14000 R**	< 25	< 40	2200		**245**		**6470**
69R-Dilution	7/13/2000	< 20	**4100 D**	**690 D**	610 D	**32000 D**	< 80	< 80	< 20	**13000 D**	< 50	< 80	2200 D		**245**		**6470**
69R	12/6/2000	< 25	**4800**	**1200**	640	**9700**	< 80	< 80	< 20	**13000**	< 50	< 80	2900		**234**		**4760**
69R	7/26/2001	< 1	**2200**	**780**	180	**2700**	< 100	< 100	< 100	430	< 100	< 200	600		**230**		**8000**
69R	12/19/2001	< 200	**2900**	**730**	190	610	< 100	< 100	< 100	290	< 100	< 100	420		**130**		**9000**
69R-D	7/10/2002	< 400	**4400 D**	**1500 D**	560 D	< 400	< 200	< 200	< 200	< 200	< 200	< 200	2300 D				
69R	7/10/2002	< 200	**4400 E**	**1600**	540	280	< 100	< 100	< 200	120	< 100	< 100	2200		**140**		**4400**
69R	12/18/2002	< 400	**4000**	**1100**	**740**	< 400	< 200	< 200	< 200	< 200	< 200	< 200	2600		**140**		**5400**
69R	1/16/2003	< 400	**4000**	**1000**	500	730	< 200	< 200	< 200	**2200**	< 200	< 200	1600	**140**		**4800**	
69R	2/17/2003	< 200	**3200**	**880**	550	< 200	< 100	< 100	< 100	500	< 100	< 100	2000	**140**		**5800**	
69R	3/12/2003	< 200	**3000**	**860**	420	< 200	< 100	< 100	< 100	340	< 100	< 100	1600	**150**		**4900**	
69R	6/4/2003	< 200	**3700**	**870**	**750**	< 200	< 100	< 100	< 100	200	< 100	< 100	2200	**130**		**4900**	
69R	10/27/2003	< 10	**2200**	**770**	< 500	< 1000	< 5	< 5	< 5	**2100**	< 5	< 5	1100	**65.8**		1690	
69R	12/18/2003	< 100	**3400**	**1000**	**870**	10	< 5	< 5	< 5	**1300**	< 5	< 5	3030	**98.4**		2290	
69R	2/10/2004	< 10	**2500**	**480**	680	46	< 5	< 5	< 5	640	< 5	< 5	2370	**101**		2470	
69R	3/23/2004	< 10	**2800**	**730**	**820**	18	< 5	< 5	< 5	360	< 5	< 5	2550	**109**		2920	
69R	5/26/2004	< 10	**1700**	**550**	580	< 10	< 5	< 5	< 5	500	< 5	< 5	1930	**48.8**		1370	
69R	11/3/2004	< 10	**1400**	**460**	410	< 10	< 5	< 5	< 5	17	< 5	**2 J**	1250	**84.1**		1640	
69R	5/20/2005	< 100	**1100**	**410 J**	270 J	< 10	< 5	< 5	< 5	6	< 5	1 J	890	**89**		1660	
69R	11/9/2005	< 100	**1700**	**490**	530	< 10	< 5	< 5	< 5	29	< 5	**4 J**	1570	**95.7**		2340	
69R	6/29/2006	< 100	**1200**	**360**	320	15	< 5	< 5	< 5	110	< 5	1 J	950	**137**		3420	
69R	8/30/2006	< 100	**1200**	**370**	330	< 10	2 J	< 5	< 5	9	< 5	**2 J**	860	**117**		3170	
69R	11/20/2006	< 100	**810**	**340**	260	2 J	< 5	< 5	< 5	10	< 5	**2 J**	650	**129**		**3760**	
69R	2/26/2007	< 100	**880**	**320**	240	5 J	< 5	< 5	< 5	5	< 5	1 J	600	**107**		**3760**	
69R	5/31/2007	< 100	**650**	**260**	170	< 10	2 J	< 5	< 5	3 J	< 5	**3 J**	400	**91.6 J**		**4050**	
69R	11/28/2007	< 100	**530**	**300**	170	< 10	< 5	< 5	< 5	3 J	< 5	**3 J**	355	**75.6 J**	**109**	**3750**	**3900**

Table 5. Summary of Historical Groundwater Analytical Results, Volatile Organic Compounds, Arsenic and Manganese, Tibbetts Road Site, Barrington, NH

Well Designation	Sample Date	Acetone	Benzene	cis-1,2-Dichloroethene	Ethylbenzene	Methyl-isobutyl-ketone	Styrene	Tetrachloroethene	1,1,1-Trichloroethane	Toluene	Trichloroethene	Vinyl chloride	Total Xylenes	Arsenic	Arsenic	Manganese	Manganese
	Total/Dissolved:	T	T	T	T	T	T	T	T	T	T	T	T	T	D	T	D
	ICL:	None	5	70	700	1825	100	5	200	1000	5	2	10000	10	10	3650	3650
	Unit:	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/l	ug/L	ug/l	ug/L
69R	5/20/2008	< 100	**460**	**210**	140	< 10	< 5	< 5	< 5	2 J	< 5	< 2	244	**92.8 J**		**5120**	
69R	11/20/2008	< 100 U	**610**	**200**	140	< 10	< 5	< 5	< 5	< 5 UB	< 5	< 2	144	**93.9 J**	**98.8 J**	**4190**	**3840**
70S	5/31/1991	ND			7			1 J		87	4 J		23		**17.6 J**		**6890**
70S	2/8/1994	ND	**630**	**420**	660	ND		**180**	ND	**3700**	**430**		1300		**14**		
70S	5/31/1995	< 50	**260**	**460**	700	< 50	19 J	**310**	< 50	320	**500**	< 50	900		**79.4**		**14200**
70S	8/23/1995	< 10	< 5	7	1 J	< 10	< 5	**10**	< 5	< 5	**15**	< 5	2 J				
70S	11/29/1995	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5				
70S	4/4/1996	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5		< 5		700
70S	8/7/1996	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5				
70S	1/8/1997	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5				
70S	3/21/1997	ND	< 5	< 5	< 5	< 10		< 5	< 5	< 5	< 5		< 5				
70SL	4/15/1998	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2		220	
70S (L)	10/27/1998	< 10	< 5	< 5	9.8	< 10	< 5	< 5	< 5	< 5	< 5	< 5	15		**19**		570
70S	5/4/1999	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 10	< 15		**309**		607
70S	12/21/1999	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	1.6 BJ	< 5	< 5	1.3 J		< 2		1060
70S	7/13/2000	< 10	2.3 J	< 5	< 5	16	< 5	< 5	< 5	4 J	< 5	< 5	< 15		**15**		1010
70S	12/5/2000	< 25	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 15		< 7		133
70S	7/26/2001	< 50	< 5	< 5	< 5	< 25	< 5	< 5	< 5	< 5	< 5	< 10	< 10		< 10		230
70S	12/18/2001	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	6.3	< 5	< 5	< 10		**18**		830
70S	7/8/2002	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10		< 10		3500
70S	5/19/2005	< 100	< 5	13	< 5	< 10	< 5	**6**	< 5	< 5	< 5	< 10	< 1	5.24		1820	
70S	11/9/2005	< 100	< 5	34	10	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 5		1850	
70S	6/27/2006	< 100	< 5	**120**	100	< 10	< 5	1 J	< 5	1 J	< 5	< 5	4	**20.5**		**5800**	
70S	5/29/2007	< 100	< 5	20	2 J	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 100		1950	
70S	11/30/2007	< 100	< 5	17	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 1	**28 UB**		2690	
70-S	5/19/2008	< 100	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 2	< 1	< 100		343	
71S	5/31/1991	ND	ND		ND	ND		ND	ND	2 BJ	**130**		ND		**17.5**		1470
71S Dilution	2/14/1992	ND													ND		
71S	2/14/1992	ND													0.006		
71S	11/29/1995	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5				
71S	7/9/2002	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10		< 10		2500
71S	5/26/2005	< 100	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 10	< 1	4 J		12.3	
72S	5/31/1991	ND	ND		**980**	ND		**150 J**	ND	**5100**	ND		2800		**84.9**		**15600**
72S	2/14/1992	ND													0.21		
72S	2/8/1994	ND	< 25	**520**	**1200**	ND		**310**	ND	760	< 25		2300		**64**		
72S	5/31/1995	66 J	**80 J**	**1600**	**3200**	< 200	100 J	**52 J**	< 200	**2300**	< 200	< 200	6200		**92.2**		**29600**
72S	11/29/1995	< 400	< 200	**820**	**1500**	< 400	< 200	< 200	< 200	**6300**	< 200	< 200	3500				
72S	4/1/1996	< 200	< 100	**590**	660	290	< 100	< 100	< 100	870	< 100	< 100	730		**250**		**26000**
72S	8/7/1996	< 50	< 25	**130**	140	< 50	< 25	< 25	< 25	< 25	< 25	< 25	72				
72S	1/8/1997	< 10	< 5	6	< 5	< 10	< 5	4 J	< 5	1 J	< 5	< 5	2 J				
72S	3/21/1997	3 J	< 5	5	< 5	< 10		3 J	< 5	< 5	< 5		9				

Table 5. Summary of Historical Groundwater Analytical Results, Volatile Organic Compounds, Arsenic and Manganese, Tibbetts Road Site, Barrington, NH

	Chemical Name	Acetone	Benzene	cis-1,2-Dichloroethene	Ethylbenzene	Methyl-isobutyl-ketone	Styrene	Tetrachloroethene	1,1,1-Trichloroethane	Toluene	Trichloroethene	Vinyl chloride	Total Xylenes	Arsenic	Arsenic	Manganese	Manganese
	Total/Dissolved:	T	T	T	T	T	T	T	T	T	T	T	T	T	D	T	D
	ICL:	None	5	70	700	1825	100	5	200	1000	5	2	10000	10	10	3650	3650
	Unit:	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/l	ug/L	ug/l	ug/L
Well Designation	**Sample Date**																
72S	4/20/1998	< 1000	**530**	< 500	< 500	**23000**	< 500	< 500	< 500	< 500	< 500	< 500	< 500	**34**		2900	
72S	5/4/1999	< 10	< 5	**170**	290 E	< 10	< 5	**55**	< 5	5.8	**10**	< 10	400		**452**		**16600**
72S-Dilution	5/4/1999	< 10	< 5	**150 D**	300 D	< 10	< 5	**53 D**	< 5	7.5 BD	**11 D**	< 10	420 D				
72S	12/20/1999	< 10	< 5	**260**	8.4	< 10	< 5	**14**	< 5	< 5	1.8 J	< 5	28		**139**		**16600**
72S-Dilution	7/13/2000	< 10	< 5	**220 D**	60 D	< 10	< 5	**34 D**	< 5	3.3 DJ	4 DJ	< 5	68 D				
72S	7/13/2000	< 10	< 5	**330 E**	90	< 10	< 5	**60**	< 5	2.8 J	**6.8**	< 5	100		**147**		**16600**
72S	12/5/2000	< 25	< 5	19	< 5	< 10	< 5	**13**	< 5	< 5	< 5	< 5	2.6 J		**137**		**15300**
72S	7/25/2001	< 10	< 5	8	< 5	< 10	< 5	**12**	< 5	< 5	< 5	< 5	< 10		**140**		**13000**
72S	12/18/2001	< 10	< 5	< 5	< 5	< 10	< 5	**5.8**	< 5	10	< 5	< 5	< 10		**200**		**16000**
72S	7/8/2002	< 10	< 5	< 5	< 5	< 10	< 5	**10**	< 5	< 5	< 5	< 5	< 5		**13**		**11000**
72S	12/19/2002	< 10	< 5	< 5	< 5	< 10	< 5	**8.4**	< 5	< 5	< 5	< 5	< 10		**210**		**15000**
72S	6/6/2003	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10	**57**		**11000**	
72S	12/18/2003	< 100	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	**143**		**14400**	
72S	5/26/2004	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	**42.5**		2920	
72S	11/4/2004	< 10	< 5	1 J	< 5	< 10	< 5	2 J	< 5	< 5	1 J	< 5	< 5	**200**		**10700**	
72S	5/19/2005	< 100	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 10	< 1	**23.1**		3440	
72S	11/14/2005	< 100	< 5	< 5	< 5	< 10	< 5	1 J	< 5	< 5	< 5	< 5	< 1	**102**		**6820**	
73S	5/30/1991	ND	ND		1 J	ND		ND	ND	7	**14**		7		5		1320
73S	2/14/1992	ND													ND		
73S Dilution	2/14/1992	ND													6		
73S	2/8/1994	ND	ND	10	ND	ND		ND	ND	ND	**90**		ND		**11**		
73S	1/8/1997	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5				
73S	4/20/1998	< 10	< 5	57	< 5	< 10	< 5	< 5	< 5	< 5	**170**	< 5	< 5	< 2		81	
73S-Dilution	5/4/1999	< 10	< 5	**130 D**	< 5	< 10	< 5	< 5	< 5	< 5	**200 D**	< 10	< 15				
73S	5/4/1999	< 10	< 5	**140**	< 5	< 10	< 5	< 5	< 5	< 5	**210 E**	< 10	< 15		**12.4**		1480
73S	12/20/1999	< 10	< 5	**94**	< 5	< 10	< 5	< 5	< 5	< 5	**100**	< 5	< 15		< 2.7		88.2
73S	7/13/2000	< 10	< 5	**110**	< 5	< 10	< 5	< 5	< 5	< 5	**100**	< 5	< 15		< 7		96.6
73S	12/5/2000	< 25	< 5	**110**	< 5	< 10	< 5	< 5	< 5	< 5	**110**	< 5	< 15		< 7		373
73S	7/24/2001	< 10	< 5	63	< 5	< 10	< 5	< 5	< 5	< 5	**64**	< 5	< 10		**26**		1200
73S	12/17/2001	12	< 5	16	< 5	< 10	< 5	< 5	< 5	< 5	**26**	< 5	< 10		10		310
73S	7/8/2002	< 10	< 5	20	< 5	< 10	< 5	< 5	< 5	< 5	**21**	< 5	< 10		< 10		42
73S	12/17/2002	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	**5.1**	< 5	< 10		< 10		34
73S	6/9/2003	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	**5.9**	< 5	< 10	< 10		20	
73S	12/22/2003	< 100	< 5	6	< 5	< 10	< 5	< 5	< 5	< 5	**8**	< 5	< 5	< 5		25.4	
73S	6/1/2004	< 10	< 5	4 J	< 5	< 10	< 5	< 5	< 5	< 5	**7**	< 5	< 5	< 5		13.5	
73S	11/3/2004	< 10	< 5	6	< 5	< 10	< 5	< 5	< 5	< 5	**8**	< 5	< 5	< 5		13.4	
73S	5/26/2005	< 100	< 5	4 J	< 5	< 10	< 5	< 5	< 5	< 5	**7**	< 10	< 1	< 5		19.8	
73S	11/8/2005	< 100	< 5	3 J	< 5	< 10	< 5	< 5	< 5	< 5	5	< 5	< 1	< 5		86.8	
73S	6/26/2006	< 100	< 5	1 J	< 5	< 10	< 5	< 5	< 5	< 5	2 J	< 5	< 1	2.87 J			
73S	11/28/2006	< 100	< 5	2 J	< 5	< 10	< 5	< 5	< 5	< 5	2 J	< 5	< 1	< 100		12.4	
73S	6/1/2007	< 100	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 100		54.6	

Table 5. Summary of Historical Groundwater Analytical Results, Volatile Organic Compounds, Arsenic and Manganese, Tibbetts Road Site, Barrington, NH

Well Designation	Chemical Name / Sample Date	Acetone	Benzene	cis-1,2-Dichloroethene	Ethylbenzene	Methyl-isobutyl-ketone	Styrene	Tetrachloroethene	1,1,1-Trichloroethane	Toluene	Trichloroethene	Vinyl chloride	Total Xylenes	Arsenic	Arsenic	Manganese	Manganese
	Total/Dissolved:	T	T	T	T	T	T	T	T	T	T	T	T	T	D	T	D
	ICL:	None	5	70	700	1825	100	5	200	1000	5	2	10000	10	10	3650	3650
	Unit:	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/l	ug/L	ug/l	ug/L
73S	5/22/2008	17 J	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	1 J	< 2	< 1	< 100		18.2	
74S	5/29/1991	ND	ND		ND	ND		ND	22	ND	ND		ND		**10.2**		474
75D	5/1/1991	ND													**26.1**		2220
75D	6/1/1991	ND	**2900**			**74000 B**		ND	ND	**3300**	ND		2100 J				
75D	5/27/1995	4 JB	5 J	< 10	3 J	< 10	< 10	**89**	< 10	4 J	**69**	< 10	< 10		**20.9**		1210
75D	8/23/1995	< 10	4 J	61	3 J	< 10	< 5	**79**	< 5	2 J	**62**	< 5	2 J				
75D	11/29/1995	< 10	**45**	**150**	< 5	< 10	< 5	**120**	< 5	< 5	**100**	< 5	7				
75D	4/9/1996	< 10	< 5	34	< 5	< 10	< 5	**110**	< 5	< 5	**110**	< 5	< 5		**12**		1500
75D	7/26/2001	< 50	< 5	32	< 5	< 25	< 5	**41**	< 5	< 5	< 5	< 10	< 10		**11**		580
75D	12/17/2002	< 10	< 5	< 5	< 5	< 10	< 5	**12**	< 5	< 5	< 5	< 5	< 10		< 10		980
75D	6/3/2003	< 10	< 5	5.9	< 5	< 10	< 5	**19**	< 5	< 5	< 5	< 5	< 10	**12**		1600	
75D	12/18/2003	< 100	< 5	15	< 5	< 10	< 5	**14**	< 5	< 5	< 5	< 5	< 5	7.46		1330	
75D	5/25/2004	< 10	< 5	30	< 5	< 10	< 5	**14**	< 5	< 5	< 5	< 5	< 5	**20.9**		1380	
75D	11/4/2004	< 10	< 5	67	< 5	< 10	< 5	**23**	< 5	< 5	3 J	< 5	< 5	**15.2**		1420	
75D	5/26/2005	< 100	< 5	**160**	< 5	< 10	< 5	**30**	< 5	< 5	**6**	< 10	< 1	**10.5**		1610	
75D	11/9/2005	< 100	< 5	**240**	< 5	< 10	< 5	**30**	< 5	< 5	**13**	< 5	< 1	**15.1**		1420	
75D	6/27/2006	< 100	< 5	**330**	< 5	< 10	< 5	**27**	< 5	< 5	**8**	< 5	< 1	**12.7**		2130	
75D	11/21/2006	< 100	< 5	**360**	< 5	< 10	< 5	**22**	< 5	< 5	**6**	< 5	< 1	< 100		1940	
75D	5/30/2007	< 100	< 5	**160**	< 5	< 10	< 5	**12**	< 5	< 5	2 J	< 5	< 1	< 100		1790	
75D	11/29/2007	< 100	< 5	**120**	< 5	< 10	< 5	**8**	< 5	< 5	2 J	< 5	1 J	< 100		1830	
75D	5/22/2008	< 100	< 5	**72**	< 5	< 10	< 5	4 J	< 5	< 5	< 5	< 2	< 1	< 100		1460	
75D	11/17/2008	< 100	< 5	27	< 5	< 10	< 5	2 J	< 5	< 5	1 J	< 2	< 1	< 100		1930	
75DS	7/8/2002	< 10	< 5	< 5	< 5	< 10	< 5	**13**	< 5	< 5	< 5	< 5	< 10		< 10		810
76R	6/5/1991	13000	ND			ND		ND	ND	3 J	2 J		ND		3.8 J		97.9
76R	7/26/2001	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10		**56**		1400
76R	7/10/2002	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 10	< 5	< 5	< 5	< 10		< 10		49
176R	5/26/2005	< 100	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 10	< 1	< 5		22.3	
76R	5/26/2005	< 100	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 10	< 1	< 5		22	
77S	5/1/1991	ND	ND		ND	ND		ND	ND	ND	ND		ND				
77S	5/29/1991	ND													**19.3**		509
77S	5/24/1994	ND	ND	ND	ND	ND		ND	ND	ND	ND		ND		ND		
78R	6/4/1991	ND	ND			ND		ND	ND	3 J	ND		ND		**18.4**		106
79S	5/30/1991	ND	**15**		1 J	ND		**53**	ND	3 J	**53**		140		5.8 J		**3880**
79S	2/8/1994	ND	ND	ND	ND	ND		ND	ND	ND	ND		ND		5		
79S (L)	4/17/1998	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5		< 2		2500
79S (L)	10/26/1998	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5		< 2		2300
79S	5/4/1999	< 10	< 5	< 5	7.1	< 10	< 5	1.2 J	< 5	73	**6.6**	< 10	27		2.0		220
79S	12/21/1999	< 10	< 5	< 5	1.6 J	< 10	< 5	< 5	< 5	< 5	< 5	< 5	1.1 J		< 2		2250
79S	7/13/2000	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	1.2 J	1.2 J	< 5	< 15		< 7		2800
79S	12/5/2000	< 25	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	2.4 J		< 7		2860
79S	7/24/2001	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10		< 10		**3800**

Table 5. Summary of Historical Groundwater Analytical Results, Volatile Organic Compounds, Arsenic and Manganese, Tibbetts Road Site, Barrington, NH

Well Designation	Chemical Name / Sample Date	Acetone	Benzene	cis-1,2-Dichloroethene	Ethylbenzene	Methyl-isobutyl-ketone	Styrene	Tetrachloroethene	1,1,1-Trichloroethane	Toluene	Trichloroethene	Vinyl chloride	Total Xylenes	Arsenic	Arsenic	Manganese	Manganese
	Total/Dissolved:	T	T	T	T	T	T	T	T	T	T	T	T	T	D	T	D
	ICL:	None	5	70	700	1825	100	5	200	1000	5	2	10000	10	10	3650	3650
	Unit:	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/l	ug/L	ug/l	ug/L
79S	12/17/2001	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10		< 10		**5000**
79S	7/8/2002	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10		< 10		**3800**
79S	5/17/2005	< 100	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 10	< 1	< 5		**5110**	
79S	5/19/2008	< 100	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 2	< 1	< 100		**4910**	
80S	1/1/1984	ND	**980**		**1827**	1135		**125**	ND	**18732**	**214**		8218				
80S Dilution	1/1/1984	ND	**1468**		**1945**			ND	ND	**31703**	ND		**18841**				
80S	1/1/1985	ND	**4100**		**3700**	**29000**		**34 J**	ND	**98000**	**1100**		**29000**				
80S	5/30/1991	ND	**590**		**1400**	ND		ND	ND	**18000**	**210 J**		6700		**21.9**		**6370**
80S Dilution	2/13/1992	ND													9		
80S	2/13/1992	ND													**88**		
80S	2/8/1994	ND	**78**	**260**	350 >	ND		**34**	ND	27	**25**		700 >		**114**		
80S	8/7/1996	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5				
80S	5/18/2005	< 100	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 10	< 1	**22.1**		624	
81R	6/5/1991	ND	ND			ND		ND	ND	22	ND		ND		**11.2**		148
82S	5/30/1991	ND	1 J		ND	ND		ND	ND	ND	ND		ND		**22.1**		297
83S	5/29/1991	ND	ND		ND	ND		ND	ND	ND	ND		ND		**32.7**		3290
84S	5/31/1995	< 1000	**150 J**	**390 J**	**820 J**	760 J	< 1000	< 1000	< 1000	**12000**	< 1000	< 1000	2400		**446**		**17400**
84S	8/23/1995	< 500	**130 J**	**500**	**1200**	< 500	< 250	< 250	< 250	**7400**	< 250	< 250	5300				
84S	11/29/1995	< 10	< 5	67	47	< 10	< 5	**6**	< 5	16	**6**	< 5	47				
84S	4/2/1996	< 100	< 50	< 50	200	< 100	< 50	< 50	< 50	53	< 50	< 50	470		**160**		3600
84S	8/7/1996	< 10	< 5	26	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5				
84S	1/8/1997	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5				
84S	3/20/1997	ND	< 5	< 5	3 J	< 10		< 5	< 5	1 J	< 5		3 J		**170**		1800
84SL	4/16/1998	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	7.7	**160**		2200	
84S (L)	10/26/1998	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5		**250**		**4800**
84S	5/4/1999	23	1.6 J	5.5	5.0	< 10	< 5	< 5	< 5	2.2 J	< 5	< 10	7.8 J		**279**		**3890**
84S	12/20/1999	< 10	1.7 J	12	8.7	< 10	< 5	< 5	< 5	4.6 BJ	< 5	< 5	10 J		**421**		**6220**
84S	7/13/2000	< 10	**7**	18	7.5	< 10	< 5	< 5	< 5	44	< 5	< 5	44		**372**		**4280**
84S	12/5/2000	< 25	2.9 J	9.1	6.8	< 10	< 5	< 5	< 5	< 5	< 5	< 5	9.4 J		**637**		**6120**
84S	7/24/2001	< 10	**6.4**	16	7.4	< 10	< 5	< 5	< 5	7.4	< 5	< 5	35		**340**		**4200**
84S	12/18/2001	< 5	< 5	9.7	7.2	< 10	< 5	< 5	< 5	< 5	< 5	< 5	15		**350**		3000
84S	7/2/2002	< 10	< 5	8.9	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10		**170**		**4100**
84S	5/18/2005	< 100	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 10	8	**75.4**		1150	
84S	11/10/2005	< 100	1 J	< 5	6	< 10	< 5	< 5	< 5	< 5	< 5	< 5	10	**83.2**		2030	
85S	7/24/2001	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10		< 10		1700
85S	7/9/2002	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10		**14**		**4300**
85S	5/18/2005	< 100	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 10	< 1	**13**		225	
87S	2/8/1994	ND	ND	ND	ND	ND		ND	ND	ND	ND		ND		10		
87S	12/20/1999	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 15		7		198
87S	12/5/2000	< 25	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 15		< 7		115
87S	7/25/2001	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10		< 10		420

Table 5. Summary of Historical Groundwater Analytical Results, Volatile Organic Compounds, Arsenic and Manganese, Tibbetts Road Site, Barrington, NH

	Chemical Name	Acetone	Benzene	cis-1,2-Dichloroethene	Ethylbenzene	Methyl-isobutyl-ketone	Styrene	Tetrachloroethene	1,1,1-Trichloroethane	Toluene	Trichloroethene	Vinyl chloride	Total Xylenes	Arsenic	Arsenic	Manganese	Manganese
	Total/Dissolved:	T	T	T	T	T	T	T	T	T	T	T	T	T	D	T	D
	ICL:	None	5	70	700	1825	100	5	200	1000	5	2	10000	10	10	3650	3650
	Unit:	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/l	ug/L	ug/l	ug/L
Well Designation	**Sample Date**																
87S	7/9/2002	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10		< 10		1400
87S	5/24/2005	< 100	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 10	< 1	< 5		18.3	
88S	8/7/1996	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5				
88S	7/24/2001	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10		< 10		510
88S	7/9/2002	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10		< 10		1200
88S	5/17/2005	< 100	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 10	< 1	3.92 J		69.5	
103R	5/31/1995	1100 J	**750 J**	< 2000	< 2000	**22000**	< 2000	< 2000	< 2000	900 J	< 2000	< 2000	< 2000		**19.3**		1450
103R	4/1/1996	< 10000	< 5000	< 5000	< 5000	**26000**	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000		**42**		2600
103R-Dilution	4/13/2000	< 10	**400 D**	46 D	9.2 D	410 D	< 5	< 5	< 5	< 5	< 5	< 5	17 D				
103R	4/13/2000	< 10	**370 E**	48	9.1	410	< 5	< 5	< 5	3.2 J	2.1 J	< 5	20				
103R	7/13/2000	2700 E	**650 E**	**160**	49	**2800 E**	< 5	< 5	< 5	880 E	**14**	< 5	170		**57.5**		2670
103R-Dilution	7/13/2000	2000 D	**400 D**	**110 D**	32 D	**2200 D**	< 8	< 8	< 5	520 D	< 5	< 8	100 D				
103R-Dilution	12/6/2000	230 D	**270 D**	**92 D**	12 D	< 5	< 5	< 5	< 5	110 D	< 5	< 5	20 D				
103R-Dilution2	12/6/2000	89 D	**92 D**	34 D	< 5	570 D	< 5	< 5	< 5	26 D	< 5	< 5	2.1 DJ				
103R	12/6/2000	210	**260 E**	**110**	15	1100 E	< 5	< 5	< 5	120	1.3 J	< 5	24		**39.8**		1970
103R-Dilution	7/26/2001	< 200	**280 D**	**140 D**	32 D	840 D	< 20	< 20	< 20	120 D	< 20	< 40	69 D				
103R	7/26/2001	< 100	**320**	**160**	38	880 E	< 10	< 10	< 10	140	< 10	< 20	78		**73**		**4100**
103R	12/19/2001	< 20	**170**	62	11	230	< 10	< 10	< 10	20	< 10	< 10	< 20		**510**		**4600**
103D	12/19/2001	< 20	**170**	59	11	310	< 10	< 10	< 10	20	< 10	< 10	< 20		**80**		2900
103R	1/16/2003	< 10	**170**	60	10	35	< 5	< 5	< 5	< 5	< 5	< 5	< 5	**41**		1700	
103R	3/13/2003	< 10	**78**	40	5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10	**32**		1600	
103R	6/3/2003	< 10	**100**	37	5.3	28	< 5	< 5	< 5	< 5	< 5	< 5	< 10	**21**		1600	
103R	10/27/2003	< 10	**73**	35	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	1 J	**17**		1940	
103R	12/18/2003	< 100	**62**	37	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	1 J	**19.5**		1900	
103R	2/10/2004	< 10	**63**	31	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	1 J	**30.8**		1610	
103R	3/24/2004	< 10	**35**	12	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	1 J	**18.8**		1520	
103R	5/25/2004	< 10	**67**	34	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	2 J	**10.3**		1360	
103R	11/4/2004	< 10	**76**	38	4 J	< 10	< 5	< 5	< 5	< 5	1 J	< 5	2 J	**27.6**		1760	
103R	5/23/2005	< 100	**28**	18	2 J	< 10	< 5	4 J	< 5	< 5	< 5	< 10	< 1	**12.5**		413	
103R	11/9/2005	< 100	**70**	37	4 J	< 10	< 5	< 5	< 5	< 5	1 J	< 5	2	**22.3**		1470	
103R	6/27/2006	< 100	**63**	44	3 J	4 J	< 5	< 5	< 5	< 5	1 J	< 5	2	**13.5**		711	
103R	8/29/2006	< 100	**72**	46	3 J	2 J	< 5	< 5	< 5	< 5	1 J	< 5	< 1	**18.9**		1230	
103R	11/21/2006	< 100	**50**	38	2 J	< 10	< 5	< 5	< 5	< 5	1 J	< 5	1 J	< 100		1420	
103R	2/28/2007	< 100	**73**	8	< 5	7 J	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 100		3330	
103R	6/1/2007	< 100	**25**	17	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 100		604	
103-R	11/29/2007	< 100	**26**	17	< 5	< 10	< 5	< 5	< 5	< 5	1 J	< 5	< 1	**22.1 J**		1060	
103R	5/23/2008	64 J	5	13	< 5	< 10	< 5	< 5	< 5	< 5	1 J	< 2	< 1	< 100		627	
103R	11/18/2008	< 100	**16**	13	< 5	< 10	< 5	< 5	< 5	< 5	1 J	< 2	< 1	< 100UB		916	
105D	5/31/1995	27	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 25		13.0 B
105D	4/5/1996	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5		< 5		< 5
105D	7/24/2001	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10		**11**		< 10

Table 5. Summary of Historical Groundwater Analytical Results, Volatile Organic Compounds, Arsenic and Manganese, Tibbetts Road Site, Barrington, NH

	Chemical Name	Acetone	Benzene	cis-1,2-Dichloroethene	Ethylbenzene	Methyl-isobutyl-ketone	Styrene	Tetrachloroethene	1,1,1-Trichloroethane	Toluene	Trichloroethene	Vinyl chloride	Total Xylenes	Arsenic	Arsenic	Manganese	Manganese
	Total/Dissolved:	T	T	T	T	T	T	T	T	T	T	T	T	T	D	T	D
	ICL:	None	5	70	700	1825	100	5	200	1000	5	2	10000	10	10	3650	3650
	Unit:	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/l	ug/L	ug/l	ug/L
Well Designation	**Sample Date**																
105D	7/9/2002	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10		< 10		15
105D	5/18/2005	< 100	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 10	< 1	< 5		17.9	
106R	6/9/1995	< 10	**13**	< 10	< 10	< 10	< 10	< 10	< 10	< 10	1 J	< 10	< 10		8.1 B		13.0 B
106R	8/23/1995	< 10	**10**	< 5	< 5	< 10	< 5	< 5	< 5	< 5	2 J	< 5	< 5				
106R	11/28/1995	< 10	**13**	8	< 5	< 10	< 5	< 5	< 5	< 5	**7**	< 5	< 5				
106R	4/2/1996	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5		< 5		21
106R	5/6/1999	< 10	**11**	1.0 J	< 5	< 10	< 5	< 5	< 5	1.6 BJ	1.7 J	< 10	< 15		7.6		< 1
106R	2/16/2000	< 10	4.2 J	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 15				
106R	7/26/2001	< 10	**15**	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10		< 10		82
106R	7/10/2002	< 10	**15**	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10		< 10		14
106R	12/20/2002	< 10	**16**	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10		< 10		110
106R	6/3/2003	< 10	**14**	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10		100	
106R	12/17/2003	< 100	**19**	2 J	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	9.62		54.7	
106R	6/3/2004	< 10	**8**	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	6.94		91.8	
106R	11/9/2004	< 10	**10**	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5		54.9	
106R	5/27/2005	< 100	**11**	< 5	< 5	< 10	< 5	< 5	< 5	< 5	1 J	< 10	< 1	< 5		82	
106R	11/10/2005	< 100	**12**	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 1		< 5	56.7	
106R	7/6/2006	< 100	**15**	2 J	< 5	< 10	< 5	< 5	< 5	< 5	1 J	< 5	< 1	5.52		73	
106R	11/27/2006	< 100	**15**	2 J	< 5	< 10	< 5	< 5	< 5	< 5	1 J	< 5	< 1	< 100		75.5	
106R	5/29/2007	< 100	**9**	2 J	< 5	< 10	< 5	< 5	< 5	< 5	1 J	< 5	< 1	< 100		65.9	
106R	11/30/2007	< 100	**17**	2 J	< 5	< 10	< 5	< 5	< 5	< 5	2 J	< 5	< 1	< 100		43.3	
106R	5/23/2008	< 100	**6**	1 J	< 5	< 10	< 5	< 5	< 5	< 5	1 J	< 2	< 1	< 100		62.6	
106R	11/19/2008	< 100 U	**11**	1 J	< 5 U	< 10 U	< 5 U	< 5 U	< 5 U	< 5 U	1 J	< 2 U	< 1 U	< 100 U		43.2	
107R	6/7/1995	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10				
107R	8/23/1995	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5				
107R	4/9/1996	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5		**14**		360
108R	6/9/1995	11 B	< 10	< 10	< 10	< 10	< 10	2 J	< 10	< 10	< 10	< 10	< 10		**39.9**		22
108R	4/9/1996	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5		**15**		120
108R	6/4/2003	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10	**25**		76	
108R	10/28/2003	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	**28**		79.2	
108R	12/16/2003	< 100	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	**29.9**		103	
108R	2/10/2004	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	**30.7**		85.7	
108R	3/24/2004	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	**24.6**		80.5	
108R	6/1/2005	< 100	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 10	< 1	**27**		79.4	
108R	7/5/2006															80.8	
108R	11/28/2006	< 100	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 100		107	
108R	5/31/2007	< 100	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 100		71.3	
108R	11/29/2007	< 100	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 1	**29 J**		102	
109R	6/7/1995	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		**35**		48
109R	4/9/1996	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5		**24**		18
110S	6/9/1995	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 5		79

Table 5. Summary of Historical Groundwater Analytical Results, Volatile Organic Compounds, Arsenic and Manganese, Tibbetts Road Site, Barrington, NH

Well Designation	Chemical Name / Sample Date	Acetone	Benzene	cis-1,2-Dichloroethene	Ethylbenzene	Methyl-isobutyl-ketone	Styrene	Tetrachloroethene	1,1,1-Trichloroethane	Toluene	Trichloroethene	Vinyl chloride	Total Xylenes	Arsenic	Arsenic	Manganese	Manganese
	Total/Dissolved:	T	T	T	T	T	T	T	T	T	T	T	T	T	D	T	D
	ICL:	None	5	70	700	1825	100	5	200	1000	5	2	10000	10	10	3650	3650
	Unit:	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/l	ug/L	ug/l	ug/L
110S	8/23/1995	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5				
110S	4/10/1996	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	13	< 5	< 5	28		< 5		20
110S	8/14/1996	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5				
169R	10/8/2001	11000	**5600**	**1500**	**1200**	**31000**	< 500	< 500	< 500	**28000 E**	< 500	< 500	5000				
169R-Dilution	10/8/2001	19000 D	**5600 D**	**1500 D**	**1200 D**	**34000 D**	< 1000	< 1000	< 1000	**30000 D**	< 1000	< 1000	5000 D				
169R	12/19/2001	30000	**3800**	< 1000	< 1000	**62000**	< 1000	< 1000	< 1000	**18000**	< 1000	< 1000	< 2000		**55**		**5200**
169R	7/10/2002	23000	**4300**	**1400**	< 1000	**39000**	< 1000	< 1000	< 1000	**18000**	< 1000	< 1000	2100		**66**		**5600**
269R (169R DUP)	12/19/2002	6000	**2600**	**720**	670	**16000**	< 500	< 500	< 500	**11000**	< 500	< 500	2400		**69**		**4700**
169R	12/19/2002	4500	**2100**	**620**	570	**12000**	< 500	< 500	< 500	**9100**	< 500	< 500	2100		**60**		**4200**
169R	1/16/2003	5200	**2200**	**580**	610	< 1000	< 500	< 500	< 500	**10000**	< 500	< 500	2200	**63**		**4500**	
169R	2/17/2003	< 1000	**2400**	**680**	680	**15000**	< 500	< 500	< 500	**9600**	< 500	< 500	2600	**77**		**5100**	
169R	3/12/2003	2600	**2100**	**710**	590	**15000**	< 500	< 500	< 500	**9100**	< 500	< 500	2200	**72**		**4700**	
269R (169R DUP)	6/4/2003	1400	**3300**	**770**	**880**	**25000**	< 500	< 500	< 500	**15000**	< 500	< 500	3700	**77**		**5200**	
169R	6/4/2003	1400	**3300**	**800**	**880**	**26000**	< 500	< 500	< 500	**15000**	< 500	< 500	3500	**80**		**5300**	
169R	10/27/2003	86	**2300**	**630**	< 500	1500	< 5	< 5	< 5	**6900**	< 5	< 5	1540	**90**		**3980**	
169R	12/16/2003	< 10000	**2700**	< 5	**740**	**5500**	< 5	< 5	< 5	**10000**	< 5	< 5	2100	**28.8**		**13600**	
269R (169R DUP)	12/16/2003	< 10000	**2400**	< 5	570	**5300**	< 5	< 5	< 5	**9000**	< 5	< 5	1740	**29.1**		**14400**	
269R (169R DUP)	2/9/2004	860	**1800**	< 5	170	**4200**	< 5	< 5	< 5	**5200**	< 5	< 5	370	**20.2**		**11800**	
169R	2/9/2004	1000	**1800**	< 5	< 500	**3200**	< 5	< 5	< 5	**5400**	< 5	< 5	400	**11.3**		**9820**	
169R	3/22/2004	570	**2200**	**290 J**	< 1000	**2600**	< 5	< 5	< 5	**7800**	< 5	< 5	1960	7.95		2960	
169RpH	3/22/2004	640	**2400**	**190**	< 1000	**2500**	< 5	< 5	< 5	**8000**	< 5	< 5	1870				
269R (169R DUP)	5/24/2004	840	**1800**	**690**	< 500	**2800**	< 5	< 5	< 5	**5300**	< 5	< 5	1840	**28.7**		**5640**	
169R	5/24/2004	810	**1800**	**630**	< 500	**2600**	< 5	< 5	< 5	**5200**	< 5	< 5	1690	**25.9**		**5090**	
169R	11/3/2004	46	**1400**	**460**	380	620	2 J	< 5	< 5	**3100**	< 5	0.8 J	1290	**33.7**		**4370**	
269R (169R DUP)	11/3/2004	50	**1400**	**470**	370	660	3 J	< 5	< 5	**3100**	< 5	1 J	1280	**33.8**		**4130**	
169 R	5/20/2005	< 100	**1900**	**650**	630	860 J	1 J	< 5	< 5	**5200**	< 5	**2 J**	2250	**53**		**4620**	
269R (169R DUP)	5/20/2005	< 100	**1800**	**720**	530	670 J	1 J	< 5	< 5	**5000**	< 5	**2 J**	2100	**51.6**		**4610**	
169R	11/7/2005	< 100	**1700**	**560**	620	200	3 J	< 5	< 5	**3800**	< 5	**3 J**	2180	**56.9**		**4450**	
269R (169R DUP)	11/7/2005	< 100	**1600**	**530**	560	200	3 J	< 5	< 5	**3400**	< 5	**3 J**	1910	**58.5**		**4450**	
269R (169R DUP)	6/28/2006	49 J	**1200**	**550**	470	330	< 5	< 5	< 5	**1900**	< 5	1 J	1580	7.45			
169R	6/28/2006	47 J	**1200**	**520**	460	330	< 5	< 5	< 5	**1900**	< 5	**2 J**	1580	**10.4**			
269R (169R DUP)	8/29/2006	26 J	**1100**	**420**	340	120	< 5	< 5	< 5	**1300**	< 5	< 5	1010	**27.4**		**5870**	
169R	8/29/2006	27 J	**1200**	**410**	330	130	< 5	< 5	< 5	**1300**	< 5	< 5	1010	**27.9**		**6090**	
269R (169R DUP)	11/20/2006	< 100	**700**	**340**	240	140	< 5	< 5	< 5	780	< 5	1 J	750	< 100		2950	
169R	11/20/2006	< 100	**770**	**350**	240	110	< 5	< 5	< 5	820	< 5	1 J	730	< 100		2900	
269R (169R DUP)	2/26/2007	10 J	**900**	**360**	300	10	< 5	< 5	< 5	570	< 5	< 5	790	**26.5 J**		**5530**	
169R	2/26/2007	< 100	**900**	**360**	300	9 J	< 5	< 5	< 5	580	< 5	< 5	800	**26.5 J**		**5250**	
269R (169R DUP)	5/29/2007	13 J	**1000**	**400**	320	3 J	< 5	< 5	< 5	760	< 5	< 5	970	**19.9 J**		**4340**	
169R	5/29/2007	14 J	**990**	**400**	300	4 J	< 5	< 5	< 5	720	< 5	< 5	940	**20.8 J**		**4320**	
169R	11/27/2007	< 100	**410**	**280**	120	4 J	< 5	< 5	< 5	16	< 5	< 5	282	**42.9 J**		2070	
269R (169R DUP)	11/27/2007	< 100	**580**	**380**	200	4 J	< 5	< 5	< 5	27	< 5	**3 J**	472	**50.9 J**		2090	

Table 5. Summary of Historical Groundwater Analytical Results, Volatile Organic Compounds, Arsenic and Manganese, Tibbetts Road Site, Barrington, NH

	Chemical Name	Acetone	Benzene	cis-1,2-Dichloroethene	Ethylbenzene	Methyl-isobutyl-ketone	Styrene	Tetrachloroethene	1,1,1-Trichloroethane	Toluene	Trichloroethene	Vinyl chloride	Total Xylenes	Arsenic	Arsenic	Manganese	Manganese
	Total/Dissolved:	T	T	T	T	T	T	T	T	T	T	T	T	T	D	T	D
	ICL:	None	5	70	700	1825	100	5	200	1000	5	2	10000	10	10	3650	3650
	Unit:	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/l	ug/L	ug/l	ug/L
Well Designation	**Sample Date**																
269R (169R DUP)	5/20/2008	< 100	**580**	**360**	210	< 10	< 5	< 5	< 5	10	< 5	1 J	386	**30.1 J**		2520	
169R	5/20/2008	< 100	**510**	**310**	200	< 10	< 5	< 5	< 5	9	< 5	1 J	363	**31.8 J**		2620	
169R	11/18/2008	< 100	**440**	**290**	200	< 10	< 5	< 5	< 5	6	< 5	< 2	296	< 100		2690	
269R (DUP)	11/18/2008	< 100	**450**	**310**	200	< 10	< 5	< 5	< 5	6	< 5	< 2	297	< 100		2730	
201R(50-52')	10/24/2003	< 10	**1100**	**210**	13	30	< 5	< 5	< 5	30	**63**	< 5	20				
201R(55-57')	10/24/2003	< 10	**1100**	**210**	12	19	< 5	< 5	< 5	26	**59**	< 5	18				
201R(40-42')	10/24/2003	< 10	**1100**	**210**	13	25	< 5	< 5	< 5	31	**64**	< 5	20				
201R(45-47')	10/24/2003	< 10	**1100**	**210**	12	27	< 5	< 5	< 5	30	**62**	< 5	20				
201R	10/30/2003	120	**940**	**220**	13	120	< 5	< 5	< 5	31	**58**	**2 J**	19	< 3.8		6.94	
201R	12/16/2003	370	**530**	**170**	6.0	98	< 5	< 5	< 5	10	**34**	< 5	5 J	5.26		< 5	
201R	2/9/2004	310	**120**	**99**	< 5	< 10	< 5	< 5	< 5	< 5	**27**	< 5	1 J	6.61		< 5	
201R	3/22/2004	190	< 5	70	< 5	< 10	< 5	< 5	< 5	< 5	**28**	< 5	< 5	8.28		< 5	
201R	5/25/2004	180	< 5	57	< 5	< 10	< 5	< 5	< 5	< 5	**22**	< 5	< 5	6.15		< 5	
201R	11/8/2004	43	**110**	56	3 J	< 10	< 5	< 5	< 5	< 5	**20**	< 5	< 5	5.44		20.2	
201R	6/1/2005	< 100	3 J	8	< 5	< 10	< 5	< 5	< 5	< 5	5	< 10	< 1	9.31		1.44 J	
201R	11/10/2005	< 100	**94**	32	1 J	< 10	< 5	< 5	< 5	< 5	**7**	< 5	< 1	4.36 J		45.3	
201R	7/5/2006	< 100	**100**	69	< 5	1 J	< 5	< 5	< 5	4 J	**8**	**2 J**	< 1	9.45		193	
201R	8/31/2006	< 100	**300**	**140**	2 J	< 10	< 5	< 5	< 5	8	**10**	**2 J**	< 1	8.8		220	
201R	11/21/2006	20 J	**300**	**130**	2 J	< 10	< 5	< 5	< 5	6	**9**	**2 J**	< 1	< 100		82.6	
201R	2/27/2007	41 J	**160**	**95**	2 J	1 J	< 5	< 5	< 5	3 J	**6**	1 J	< 1	< 100		162	
201R	5/30/2007	< 100	**200**	**91**	2 J	5 J	< 5	< 5	< 5	3 J	4 J	**3 J**	< 1	< 100		265	
201R	11/27/2007	< 100	**230**	**120**	3 J	5 J	< 5	< 5	< 5	5	**6**	**3 J**	< 1	< 100		313	
201R	5/22/2008	17 J	**180**	**91**	2 J	< 10	< 5	< 5	< 5	3 J	4 J	< 2	< 1	< 100		430	
201R	11/21/2008	< 100 U	**230**	**98**	3 J	4 J	< 5 U	< 5 U	< 5 U	4 J	4 J	1 J	< 1 U	< 100 U		534	
202R(50-52')	10/24/2003	< 10	**620**	**110**	21	190	< 5	< 5	< 5	71	< 5	< 5	85				
202R(55-57')	10/24/2003	< 10	**660**	**120**	24	180	< 5	< 5	< 5	82	< 5	< 5	97				
202R(40-42')	10/24/2003	< 10	**630**	**110**	21	190	< 5	< 5	< 5	70	< 5	< 5	84				
202R(45-47')	10/24/2003	< 10	**610**	**110**	22	180	< 5	< 5	< 5	72	< 5	< 5	86				
202R	10/30/2003	91	**660**	**100**	16	860	< 5	< 5	< 5	51	2 J	< 5	65	3.82		13.5	
202R	12/17/2003	320	**470**	**110**	14	1500	< 5	< 5	< 5	62	< 5	< 5	50	7.74		14.9	
202R	2/10/2004	170	**330**	67	21	**2200**	< 5	< 5	< 5	57	< 5	< 5	66	**12.6**		96.4	
202R	3/23/2004	120	**80**	44	17	820	< 5	< 5	< 5	11	< 5	< 5	45	**11.6**		86.4	
202R	5/24/2004	140	**6**	19	8.0	1100	< 5	< 5	< 5	< 5	< 5	< 5	5 J	**14.8**		119	
202R	11/5/2004	73	**26**	9	2 J	430	< 5	< 5	< 5	< 5	< 5	< 5	7	**16.7**		96.6	
202R	5/23/2005	61 J	**40**	18	8	380	< 5	< 5	< 5	< 5	< 5	< 10	22	**29.9**		79.8	
202R	11/8/2005	29 J	**180**	46	8	200	< 5	< 5	< 5	< 5	< 5	< 5	23	**25.9**		136	
202R	6/29/2006	25 J	**30**	< 5	< 5	27	< 5 R	< 5	< 5	< 5	< 5	< 5	< 1	**42.6**		2860	
202R	8/29/2006	54 J	**84**	< 5	3 J	22	< 5	< 5	< 5	< 5	< 5	< 5	< 1	**24.8**		1150	
202R	11/20/2006	13 J	**83**	31	4 J	5 J	< 5	< 5	< 5	< 5	< 5	< 5	8	< 100		256	
202R	2/27/2007	< 100	**27**	33	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 1	**25.2 J**		461	
202-R	5/29/2007	< 100	**13**	32	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 100		694	

Table 5. Summary of Historical Groundwater Analytical Results, Volatile Organic Compounds, Arsenic and Manganese, Tibbetts Road Site, Barrington, NH

Well Designation	Chemical Name / Sample Date	Acetone	Benzene	cis-1,2-Dichloroethene	Ethylbenzene	Methyl-isobutyl-ketone	Styrene	Tetrachloroethene	1,1,1-Trichloroethane	Toluene	Trichloroethene	Vinyl chloride	Total Xylenes	Arsenic	Arsenic	Manganese	Manganese
	Total/Dissolved:	T	T	T	T	T	T	T	T	T	T	T	T	T	D	T	D
	ICL:	None	5	70	700	1825	100	5	200	1000	5	2	10000	10	10	3650	3650
	Unit:	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/l	ug/L	ug/l	ug/L
202R	11/30/2007	< 100	5	23	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 1	**23.5 UB**		146	
202R	5/19/2008	< 100 UJ	< 5 UJ	7 J	< 5 UJ	< 10 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 2 UJ	< 1 UJ	**42 J**		190	
202R	11/20/2008	< 100	2 J	35	< 5	< 10	< 5	< 5	< 5	< 5 UB	< 5	< 2	< 1	< 100		1840	
203R(55')	10/28/2003	390	**2100**	**640**	< 500	< 1000	< 5	< 5	< 5	**5600**	< 5	< 5	1570	**45**		2070	
203R(45')	10/28/2003	250	**2600**	**1000**	< 1000	< 2000	< 5	< 5	< 5	**8300**	< 5	< 5	1950	**69.2**		**4940**	
203R(50')	10/28/2003	170	**3200**	**1200**	**< 1000**	**< 2000**	< 5	< 5	< 5	**11000**	< 5	< 5	2780	84.4		6260	
203R(50') DUP	10/28/2003	160	**3300**	**1200**	**< 1000**	**< 2000**	< 5	< 5	< 5	**12000**	< 5	**5**	2900	84.6		6400	
203R	5/24/2005	1400	**1200**	< 5	< 5	200	< 5	< 5	< 5	< 5	< 5	< 10	< 1	< 5		**139000**	
203R	11/7/2005	950	**1100**	< 5	< 5	200	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 5		**126000**	
203R	6/28/2006	200	**700**	< 5	< 5	130	< 5	< 5	< 5	150	< 5	< 5	< 1	3.98 J			
203R	8/30/2006	310	**110**	< 5	< 5	120	< 5	< 5	< 5	< 5	< 5	< 5	< 1	2.54 J		**119000**	
203R	11/21/2006	190	**460**	< 5	< 5	39	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 100		**47500**	
203R	2/27/2007	480	< 5	< 5	< 5	18	< 5	< 5	< 5	< 5	< 5	< 5	< 1	**72.2 J**		**490000**	
203R	5/30/2007	210 J	< 5 UJ	< 5 UJ	< 5 UJ	12 J	< 5 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 5 UJ	**3 J**	< 1 UJ	**49.4 J**		**382000**	
203R	11/28/2007	230 J	< 5 UJ	< 5 UJ	< 5 UJ	5 J	< 5 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 1 UJ	**50.8 J**	**71.2 UB**	**356000**	**289000**
203R	5/19/2008	150 J	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	< 10	< 5	< 200		**293000**	
203R	11/21/2008	42 J	< 5 UJ	< 5 UJ	< 5 UJ	2 J	< 5 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 2 UJ	< 1 UJ	< 100	< 100	**101000**	**98000**
204R(55-57')	10/24/2003	< 10	**10**	3 J	7.0	< 10	< 5	< 5	< 5	58	< 5	< 5	26				
204R(50-52')	10/24/2003	< 10	**10**	3 J	6.0	< 10	< 5	< 5	< 5	56	< 5	< 5	25				
204R(45-47')	10/24/2003	< 10	**10**	3 J	7.0	< 10	< 5	< 5	< 5	56	< 5	< 5	26				
204R(40-42')	10/24/2003	< 10	**8**	2 J	5.0	< 10	< 5	< 5	< 5	45	< 5	< 5	21				
204R	12/17/2003	< 100	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	8.13		< 5	
204R	2/9/2004	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	6.74		5.35	
204R	3/22/2004	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	8.97		19	
204R	5/25/2004	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	**10.3**		9.73	
204R	11/5/2004	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	**13.7**		2.84 J	
204R	5/23/2005	12 J	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 10	< 1	**19.3**		21.5	
204R	11/10/2005	< 100	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 1	**13.1**		6.76	
204R	6/29/2006	< 100	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 1	**14.1**		5.83	
204R	11/20/2006	< 100	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 100		4.68 J	
204R	5/29/2007	< 100	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 100		4.33 J	
204R	5/19/2008	< 100	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 2	< 1	< 100		13.6	
205R	12/5/2005	800	**1100**	**460**	200 J	**4300**	< 5	< 5	< 5	16	**30**	**2 J**	315				
205R	4/14/2006	680	**960**	**470**	190	**3600**	< 5	< 5	< 5	210 JJ	**11**	**2 J**	450	**28.4**		761	
205R	7/5/2006	440	**870**	**330**	170	**4100**	< 5	< 5	< 5	300	**8**	**2 J**	450	**29.8**		893	
305R	8/31/2006	490	**920**	**400**	140 J	**4600**	< 5	< 5	< 5	340	**7**	**2 J**	280	**32.2**		948	
205R	8/31/2006	510	**910**	**390**	140 J	**4100**	< 5	< 5	< 5	330	**8**	**2 J**	290	**30.4**		941	
205R	11/20/2006	190	**650**	**280**	180	**5400**	< 5	< 5	< 5	210 J	5	1 J	460	< 100		937	
305R	2/27/2007	270	**700**	**330**	130	**2000**	< 5	< 5	< 5	250	5	**2 J**	348	**19.2 J**		937	
205R	2/27/2007	240	**800**	**380**	130	**2400**	< 5	< 5	< 5	270	5	**2 J**	345	**30.2 J**		925	
205R	5/31/2007	120	**880**	**310**	160	**2900**	< 5	< 5	< 5	290	4 J	**3 J**	440	< 100		920	

Table 5. Summary of Historical Groundwater Analytical Results, Volatile Organic Compounds, Arsenic and Manganese, Tibbetts Road Site, Barrington, NH

	Chemical Name	Acetone	Benzene	cis-1,2-Dichloroethene	Ethylbenzene	Methyl-isobutyl-ketone	Styrene	Tetrachloroethene	1,1,1-Trichloroethane	Toluene	Trichloroethene	Vinyl chloride	Total Xylenes	Arsenic	Arsenic	Manganese	Manganese
	Total/Dissolved:	T	T	T	T	T	T	T	T	T	T	T	T	T	D	T	D
	ICL:	None	5	70	700	1825	100	5	200	1000	5	2	10000	10	10	3650	3650
	Unit:	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/l	ug/L	ug/l	ug/L
Well Designation	**Sample Date**																
205R	11/29/2007	55 J	**730**	**240 J**	150	**6600**	< 5	< 5	< 5	220 J	3 J	0.9 J	390	**66.3 J**		928	
205R	5/21/2008	58 J	**740**	**300**	150	**2500**	< 5	< 5	< 5	180	4 J	1 J	430	**36.5 J**		892	
205R	11/19/2008	23 J	**430**	**200**	94	**4000**	< 5 U	< 5 U	< 5 U	57	3 J	0.8 J	205	< 100 U		916	
EW1D (L)	4/17/1998	110	< 50	**120**	530	1000	< 50	< 50	< 50	**1900**	< 50	< 50	2500		< 2		< 5
EW1D (L)	10/27/1998	68	**11**	7.2	24	180	< 5	< 5	< 5	78	< 5	< 5	130		5.1		< 5
EW1D	5/5/1999	< 10	**56**	27	44	640	< 5	< 5	< 5	140	2.0 J	< 10	150		9.3		19.0
EW1D	12/20/1999	< 10	< 5	< 5	1.4 J	< 10	< 5	< 5	< 5	1.2 BJ	< 5	< 5	1.1 J		7.7		5.6
EW1D	7/13/2000	< 10	**58**	30	100	540	< 5	< 5	< 5	200	< 5	< 5	360		< 7		13.2
EW1D-Dilution	7/13/2000	< 10	**47 D**	26 D	71 D	540 D	< 5	< 5	< 5	140 D	< 5	< 5	230 D				
EW1D	12/5/2000	< 25	< 5	< 5	1.6 J	< 10	< 5	< 5	< 5	< 5	< 5	< 5	3.1 J		< 7		< 3
EW1D	7/25/2001	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10		< 10		10
EW1D	12/18/2001	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	12	< 5	< 5	< 10		< 10		< 10
EW1D	7/9/2002	< 10	**12**	15	12	51	< 5	< 5	< 5	13	< 5	< 5	35		< 10		< 10
EW-1D	5/24/2005	< 100	< 5	2 J	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 10	4	< 5		8.51	
EW1S	4/8/1996	< 250	< 120	**240**	140	< 250	< 120	< 120	< 120	**4100**	< 120	< 120	700		**670**		3400
EW1S	8/8/1996	< 500	< 250	**800**	< 250	< 500	< 250	< 250	< 250	**1700**	< 250	< 250	1700				
EW1S	9/17/1996	< 400	< 200	**310**	56 J	< 400	< 200	< 200	< 200	**1600**	< 200	< 200	940				
EW1S	10/14/1996	< 10	**9**	**110**	< 5	18	< 5	**6**	< 5	10	< 5	< 5	110				
EW1S	12/30/1996	30 BJK	< 50	**91**	90	< 100	< 50	**33 J**	< 50	460	**10 J**	< 50	520				
EW1S	1/8/1997	< 20	< 10	**100**	61	9 J	< 10	**30**	< 10	11	**12**	< 10	430				
EW1S	3/21/1997	< 500	< 250	**390**	540	< 500	< 250	< 250	< 250	**2900**	< 250	< 250	1600				
EW1S	5/28/1997	78 J	< 100	< 100	230	< 200	< 100	**22 J**	< 100	**2100**	< 100	< 100	1300				
EW-1S	6/27/1997	55 J	**14 J**	**92**	160	40 J	< 50	**17 J**	< 50	**2200**	**16 J**	< 50	1900				
EW1S (EW15)	10/7/1997	15	< 5	11	7	< 10	< 5	< 5	< 5	6	< 5	< 5	88				
EW1S	11/11/1997	< 10	< 5	11	16	< 10	< 5	< 5	< 5	< 5	< 5	< 5	76				
EW1S	4/21/1998	< 10	< 5	22	42	< 10	< 5	**140**	< 5	< 5	**5.8**	< 5	150	**28000**		**16000**	
EW1S	5/5/1999	< 10	< 5	38	2.3 J	< 10	< 5	**10**	< 5	31	3.0 J	< 10	8.7 J		**385**		3130
EW1S	12/20/1999	< 10	< 5	< 5	1.5 J	< 10	< 5	2.5 J	< 5	2.3 BJ	< 5	< 5	< 15		**21**		1370
EW1S	7/13/2000	< 10	< 5	< 5	< 5	< 10	< 5	1.9 J	< 5	< 5	< 5	< 5	< 15		**358**		2160
EW1S	12/5/2000	< 25	< 5	1.1 J	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 15		**276**		1080
EW1S	7/25/2001	< 10	< 5	10	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10		**2000**		2400
EW1S	12/18/2001	23	< 5	12	11	< 10	< 5	< 5	< 5	9.4	< 5	< 5	< 10		**870**		1100
EW1S	7/8/2002	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10		**250**		850
EW-1S	6/3/2005	< 100	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 10	< 1	**149**		684	
EW2S	4/8/1996	39	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5		**42**		**17000**
EW2S	9/17/1996	< 10	1 J	4 J	< 5	< 10	< 5	3 J	< 5	< 5	3 J	< 5	< 5				
EW2S	10/14/1996	< 10	5	10	< 5	5 J	< 5	**21**	< 5	< 5	**7**	< 5	< 5				
EW2S	1/8/1997	< 10	< 5	< 5	< 5	< 10	< 5	1 J	< 5	< 5	< 5	< 5	< 10				
EW2S	3/21/1997		< 5	< 5	< 5	< 10		< 5	< 5	< 5	**7**		< 5				
EW2S	4/20/1998	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	**86**		2800	
EW2S	5/5/1999	< 10	< 5	< 5	1.5 J	< 10	< 5	< 5	< 5	6.7	< 5	< 10	1.7 J		**46.5**		248

Table 5. Summary of Historical Groundwater Analytical Results, Volatile Organic Compounds, Arsenic and Manganese, Tibbetts Road Site, Barrington, NH

Well Designation	Sample Date	Acetone	Benzene	cis-1,2-Dichloroethene	Ethylbenzene	Methyl-isobutyl-ketone	Styrene	Tetrachloroethene	1,1,1-Trichloroethane	Toluene	Trichloroethene	Vinyl chloride	Total Xylenes	Arsenic	Arsenic	Manganese	Manganese
	Total/Dissolved:	T	T	T	T	T	T	T	T	T	T	T	T	T	D	T	D
	ICL:	None	5	70	700	1825	100	5	200	1000	5	2	10000	10	10	3650	3650
	Unit:	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/l	ug/L	ug/l	ug/L
EW2S Dup	12/21/1999	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10		**14.4**		54.3
EW2S	12/21/1999	< 10	< 5	< 5	1.1 J	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 10		**22**		63.7
EW2S	7/13/2000	< 10	< 5	**100**	83	< 10	< 5	**14**	< 5	380 E	3.9 J	< 5	180		**42.7**		3410
EW2S-Dilution	7/13/2000	< 10	< 5	**79 D**	57 D	< 10	< 5	**8.4 D**	< 5	240 D	2.6 DJ	< 5	130 D				
EW2S	12/5/2000	6.4 J	< 5	**140**	42	< 10	< 5	1.5 J	< 5	49	< 5	< 5	97		**40.8**		2450
EW2S Dup	12/5/2000	< 25	< 5	**130**	28	< 10	5	1.4 J	< 5	26	< 5	< 5	56		**38.6**		2330
EW2S	7/26/2001	< 10	< 5	23	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10		**17**		430
EW2S	12/18/2001	< 10	< 5	14	< 5	< 10	< 5	< 5	< 5	7.1	< 5	< 5	< 10		**18**		510
EW2S	7/8/2002	< 10	< 5	16	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10		ND		1900
EW-2S	5/19/2005	< 100	< 5	54	320	< 10	< 5	< 5	< 5	260	< 5	< 10	460	**15.3**		637	
EW-2	6/28/2006	< 100	< 5	2 J	120	< 10	< 5	< 5	< 5	27	< 5	< 5	330	**50.2**			
EW-2S	11/21/2006	< 100	< 5	< 5	1 J	< 10	< 5	< 5	< 5	< 5	< 5	< 5	1 J	< 100		124	
EW-2S	6/1/2007	< 100	< 5	3 J	6	< 10	< 5	< 5	< 5	6	< 5	< 5	20	< 100		505	
EW-2S	11/30/2007	< 100	< 5	5 J	470	< 10	< 5	< 5	< 5	140	< 5	< 5	1490	**59.7 UB**		2970	
EW-2S	5/22/2008	< 100	< 5	< 5	8	< 10	< 5	< 5	< 5	< 5	< 5	< 2	3	< 100		445	
EW-2S	11/18/2008	< 100	< 5	3 J	350	< 10	< 5	< 5	< 5	22	< 5	< 2	910	< 100 UB		**4880**	
EW3S	4/4/1996	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5		**< 5**		**1700**
EW3S	9/17/1996	< 10	**23**	44	11	< 10	< 5	**28**	< 5	4 J	**32**	< 5	7				
EW3S	10/14/1996	< 10	4 J	7	2 J	< 10	< 5	**6**	< 5	< 5	4 J	< 5	< 5				
EW3S	1/8/1997	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10				
EW3S	3/21/1997	< 10	< 5	2 J	< 5	< 10	< 5	< 5	< 5	9	4 J	< 5	5				
EW3S	4/20/1998	< 10	< 5	< 5	< 5	< 10	< 5	5	< 5	< 5	< 5	< 5	< 5	**27**		1600	
EW3S	5/5/1999	< 20	< 5	< 5	1.7 J	< 10	< 5	< 5	< 5	8.5	< 5	< 10	2.2 J		**509**		**6260**
EW3S	12/21/1999	< 10	< 5	< 5	< 5	< 10	< 5	1.0 J	< 5	< 5	< 5	< 5	< 10		**15.2**		3550
EW3S	7/13/2000	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	1.8	< 5	< 5	< 15		9.7		2140
EW3S	12/5/2000	< 25	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 15		7.3		262
EW3S	7/26/2001	< 50	< 5	< 5	< 5	< 25	< 5	< 5	< 5	< 5	< 5	< 10	< 10		ND		120
EW3S	12/18/2001	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	5.6	< 5	< 5	< 10		**170**		**7000**
EW3S	7/8/2002	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10		< 10		< 10
EW-3S	5/19/2005	< 100	< 5	**110**	< 5	< 10	< 5	**14**	< 5	< 5	< 5	< 10	< 1	< 5		1230	
EW-3S	11/8/2005	< 100	< 5	53	< 5	< 10	< 5	4 J	< 5	< 5	1 J	< 5	< 1	< 5		287	
EW-3S	6/28/2006	< 100	< 5	**130**	1 J	< 10	< 5	5	< 5	< 5	< 5	< 5	< 1	6.85			
EW-3S	11/21/2006	< 100	< 5	10	< 5	< 10	< 5	1 J	< 5	< 5	< 5	< 5	< 1	< 100		312	
EW-3S	2/28/2007	< 100	< 5	**100**	< 5	< 10	< 5	4 J	< 5	< 5	1 J	< 5	< 1	< 100		743	
EW-3S	5/30/2007	< 100	< 5	14	< 5	< 10	< 5	2 J	< 5	< 5	< 5	< 5	< 1	< 100		10.9	
EW-3S	11/29/2007	< 100	< 5	**100**	< 5	< 10	< 5	1 J	< 5	< 5	< 5	< 5	< 1	**45 J**		**15700**	
EW-3S	5/21/2008	76 J	< 5	19	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 2	< 1	< 100		196	
EW-3S	11/17/2008	< 100	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 2	< 1	< 100		50.2	
EW4S	4/2/1996	350	< 10	< 10	33	< 20	< 10	< 10	< 10	33	< 10	< 10	450		**54**		2700
EW4S	9/17/1996	20	< 5	1 J	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	16				
EW4S	10/14/1996	45	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	9				

Table 5. Summary of Historical Groundwater Analytical Results, Volatile Organic Compounds, Arsenic and Manganese, Tibbetts Road Site, Barrington, NH

	Chemical Name	Acetone	Benzene	cis-1,2-Dichloroethene	Ethylbenzene	Methyl-isobutyl-ketone	Styrene	Tetrachloroethene	1,1,1-Trichloroethane	Toluene	Trichloroethene	Vinyl chloride	Total Xylenes	Arsenic	Arsenic	Manganese	Manganese
	Total/Dissolved:	T	T	T	T	T	T	T	T	T	T	T	T	T	D	T	D
	ICL:	None	5	70	700	1825	100	5	200	1000	5	2	10000	10	10	3650	3650
	Unit:	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/l	ug/L	ug/l	ug/L
Well Designation	**Sample Date**																
EW4S	1/8/1997	4 J	< 5	< 5	< 5	5 J	< 5	< 5	< 5	< 5	< 5	< 5	< 5				
EW-4S	8/14/1997	10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5				
EW4S	4/20/1998	16	< 5	12	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	**520**		3000	
EW5S	4/10/1996	< 10	< 5	< 5	7	< 10	< 5	< 5	< 5	< 5	< 5	< 5	42		**130**		1200
EW5S	9/17/1996	9 J	< 25	< 25	< 25	< 50	< 25	< 25	< 25	67	**9 J**	< 25	440				
EW5S	10/14/1996	< 10	< 5	< 5	140	< 10	< 5	< 5	< 5	8	**6**	< 5	100				
EW5S	12/30/1996	300 BJK	< 500	< 500	260 J	< 1000	< 500	< 500	< 500	**3400**	< 500	< 500	1900				
EW5S	1/8/1997	< 20	4 J	< 10	41	5 J	< 10	< 10	< 10	380	< 10	< 10	260				
EW5S	3/21/1997		< 5	< 5	2 J	< 10		< 5	< 5	7	< 5		24				
EW5S (EW55)	10/7/1997	< 10	**8**	< 5	120	< 10	< 5	< 5	< 5	120	< 5	< 5	320				
EW5S	11/11/1997	< 100	< 50	< 50	250	< 100	< 50	< 50	< 50	860	< 50	< 50	900				
EW5S	4/21/1998	< 10	< 5	< 5	< 5	15	< 5	< 5	< 5	5.6	< 5	< 5	< 5	**13000**		**7200**	
EW5S	5/5/1999	< 10	5.0	< 5	62	< 10	< 5	< 5	< 5	4.2 BJ	< 5	< 10	180		**4080**		2080
EW5S	12/20/1999	< 10	4.2 J	< 5	2.3 J	< 10	< 5	< 5	< 5	< 5	< 5	< 5	2.9 J		**3220**		**3860**
EW5S	7/13/2000	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	1.4 J	< 5	< 5	1.1 J		**191**		**4270**
EW5S	12/5/2000	< 25	**39**	< 5	170	< 10	1.8 J	< 5	< 5	57	< 5	< 5	360		**352**		**6840**
EW5S	7/24/2001	< 50	< 25	< 25	41	< 50	< 25	< 25	< 25	780	< 25	< 25	1200		**120**		**3700**
EW5S	12/17/2001	< 5	**12**	< 5	5.2	< 10	< 5	< 5	< 5	< 5	< 5	< 5	17		**1100**		**6400**
EW5S	6/13/2002	17	< 5	< 5	64	< 10		< 5	< 5	37	< 5		160				
EW5S	7/9/2002	17	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	98		< 10		**3900**
EW5S	12/18/2002	< 10	< 5	< 5	14	< 10	< 5	< 5	< 5	58	< 5	< 5	28		**31**		**6400**
EW5S	6/5/2003	< 10	< 5	< 5	6.7	< 10	< 5	< 5	< 5	21	< 5	< 5	19	< 10		1000	
EW-5S	12/22/2003	< 100	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	**19.8**		330	
EW-5S	11/3/2004	< 10	< 5	< 5	3 J	< 10	< 5	< 5	< 5	5	< 5	< 5	6	**46.6**		966	
EW-5S	5/18/2005	< 100	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 10	< 1	< 5		48.4	
EW6S	8/15/1996	ND	0.71	22	2.7	ND		ND	ND	3.9	4.4		1.3				
EW6S	9/17/1996	ND	0.26	11	0.6	ND		ND	ND	2.5	**5.4**		0.6				
EW6S	10/14/1996	ND	0.34	11	0.51	ND		ND	ND	2.4	**6.7**		0.49				
EW6S	7/24/2001	< 10	< 5	**130**	7.4	< 10	< 5	< 5	< 5	28	< 5	< 5	36		**11**		2000
EW6S	7/8/2002	< 20	< 10	**230**	98	< 20	< 10	< 10	< 10	150	< 10	< 10	240		**39**		1300
EW-6S	5/27/2004	< 10	< 5	7	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	5.72		1410	
EW-6S	5/25/2005													8.66		1310	
EW-6S	6/10/2005	< 100	< 5	3 J	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 1				
EW6S	11/11/2005	< 100	< 5	4 J	3 J	< 10	< 5	< 5	< 5	< 5	< 5	< 5	1 J	8.3		531	
EW7SL	4/16/1998	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	4.9		1800	
EW7S (L)	10/27/1998	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5		3.7		1700
EW7S	5/5/1999	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	5.2	< 5	< 10	1.3 J		< 2		**11000**
EW7S	12/20/1999	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10		< 7		2840
EW7S	7/13/2000	< 10	< 5	1.1 J	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 15		< 7		**4440**
EW7S	12/5/2000	< 25	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 15		< 7		2900
EW7S	7/25/2001	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10		< 10		2200

Table 5. Summary of Historical Groundwater Analytical Results, Volatile Organic Compounds, Arsenic and Manganese, Tibbetts Road Site, Barrington, NH

	Chemical Name	Acetone	Benzene	cis-1,2-Dichloroethene	Ethylbenzene	Methyl-isobutyl-ketone	Styrene	Tetrachloroethene	1,1,1-Trichloroethane	Toluene	Trichloroethene	Vinyl chloride	Total Xylenes	Arsenic	Arsenic	Manganese	Manganese
	Total/Dissolved:	T	T	T	T	T	T	T	T	T	T	T	T	T	D	T	D
	ICL:	None	5	70	700	1825	100	5	200	1000	5	2	10000	10	10	3650	3650
	Unit:	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/l	ug/L	ug/l	ug/L
Well Designation	**Sample Date**																
EW7S	12/18/2001	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	14	< 5	< 5	< 10		10		2900
EW7S	7/8/2002	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10		< 10		**6200**
EW7S	12/19/2002	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10		< 10		710
EW-7S	6/6/2003	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10		850	
EW-7S	12/18/2003	< 100	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5		1720	
EW-7S	5/25/2005													4.72 J		623	
EW-7S	6/8/2005	< 100	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 1				
EW8S	9/17/1996	< 2000	**260 J**	**11000**	600 J	< 2000	< 1000	< 1000	< 1000	**2500**	**5400**	< 1000	600 J				
EW8S	10/14/1996	< 1000	**340 J**	**11000**	510	< 1000	< 500	< 500	< 500	**2400**	**6700**	< 500	490 J				
EW8S	12/30/1996	< 5000	< 2500	**2300 J**	< 2500	< 5000	< 2500	< 2500	< 2500	**9200**	**1600 J**	< 2500	2300 J				
EW8S	1/8/1997	< 100	**160**	**2000**	190	27 J	< 50	**36 J**	< 50	**1500**	**1100**	< 50	1100				
EW8S	3/21/1997		< 120	**860**	690	< 250		< 120	< 120	**2500**	**46 J**		9500				
EW8S	5/28/1997	30 J	**180**	< 100	210	< 200	< 100	**23 J**	< 100	**1800**	**1200**	< 100	500				
EW-8S	6/27/1997	< 250	**260**	**2400**	340	< 250	< 120	**34 J**	< 120	**4400**	**1500**	< 120	1200				
EW-8S	8/14/1997	< 250	**160**	**2900**	240	< 250	< 120	< 120	< 120	260	**520**	< 120	1300				
EW8S (EW85)	10/7/1997	< 200	< 100	**1400**	< 100	< 200	< 100	< 100	< 25	< 100	**300**	< 100	< 100				
EW8S	11/11/1997	< 50	< 25	**320**	< 25	< 50	< 25	< 25	< 25	< 25	**34**	< 25	< 25				
EW8S	4/20/1998	< 10	< 5	13	< 5	< 10	< 5	< 5	< 5	6.2	**85**	< 5	< 5	**470**		830	
EW8S	5/5/1999	< 10	< 5	18	< 5	< 5	< 5	< 5	< 5	4.1 J	**9.9**	< 10	6.5 J		**805**		2920
EW8S	12/20/1999	< 10	**8.2**	**1400 E**	8.2	< 10	< 5	3.2 J	< 5	28	**190**	< 5	340		**35.6**		**10000**
EW8S-Dilution	12/20/1999	< 10	< 6	**480 D**	< 8	< 20	< 8	< 8	< 5	< 8	**27 D**	< 8	28 D				
EW8S-Dilution	7/13/2000	< 10	< 30	**1600 D**	680 D	< 100	< 40	< 40	< 10	**6500 D**	**63 D**	< 40	2200 D				
EW8S	7/13/2000	< 10	**61**	**1800**	**790**	< 40	< 16	< 16	< 5	**8800 E**	**97**	< 16	2700		**388**		**18900**
EW8S	12/5/2000	< 25	< 5	18	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	1.0 J		**30.1**		2380
EW8D	7/25/2001	< 10	< 5	9.0	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10		**170**		730
EW8S	7/25/2001	< 10	< 5	9.5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10		**150**		730
EW8S	12/17/2001	< 10	< 5	**950 E**	15	< 10	< 5	< 5	< 5	150	**5.4**	< 5	69		**220**		**5800**
EW8S-Dilution	12/17/2001	< 100	< 50	**670 D**	< 50	< 100	< 50	< 50	< 50	130 D	< 50	< 50	< 100				
EW8S	7/8/2002	< 10	< 5	16	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10		< 10		34
EW-8S	5/25/2005													< 5		9.33	
EW-8S	6/10/2005	< 100	< 5	4 J	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 1				
EW9S	9/17/1996	< 10000	**1600 J**	**2600 J**	**1400 J**	< 10000	< 5000	< 5000	< 5000	**18000**	< 5000	< 5000	5100				
EW9S	10/14/1996	3000	**2900**	**6200**	**1800**	1500 J	< 1200	< 1200	< 1200	**27000**	< 1200	< 1200	8400				
EW9S	12/30/1996	870 JK	**610**	**1500**	**800**	650 J	< 500	< 500	< 500	**4100**	**110 J**	< 500	1700				
EW9S	1/8/1997	< 250	**620**	**3200**	56 J	760	< 120	**360**	< 120	590	**510**	< 120	1500				
EW9S	3/21/1997		< 5	13	< 5	< 10		**14**	< 5	< 5	3 J		< 5				
EW9S	5/28/1997	1100	**1300**	< 200	**1300**	1800	< 200	< 200	< 200	**4200**	**150 J**	< 200	2900				
EW-9S	6/27/1997	490	**1000**	**2200**	**990**	**1900**	< 120	**51 J**	< 120	**4200**	**70 J**	< 120	2100				
EW-9S	8/14/1997	< 250	**820**	**2300**	**900**	1300	< 120	< 120	< 120	**2700**	< 120	< 120	1900				
EW9S (EW95)	10/7/1997	< 200	**210**	**630**	220	< 200	< 100	< 100	< 100	**2100**	< 100	< 100	640				
EW9S	11/11/1997	< 40	< 20	**440**	200	62	< 20	< 20	< 20	150	< 20	< 20	290				

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	Chemical Name	Acetone	Benzene	cis-1,2-Dichloroethene	Ethylbenzene	Methyl-isobutyl-ketone	Styrene	Tetrachloroethene	1,1,1-Trichloroethane	Toluene	Trichloroethene	Vinyl chloride	Total Xylenes	Arsenic	Arsenic	Manganese	Manganese
	Total/Dissolved:	T	T	T	T	T	T	T	T	T	T	T	T	T	D	T	D
	ICL:	None	5	70	700	1825	100	5	200	1000	5	2	10000	10	10	3650	3650
	Unit:	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/l	ug/L	ug/l	ug/L
Well Designation	**Sample Date**																
EW9S	4/20/1998	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	**19000**		**17000**	
EW9S	5/5/1999	< 10	< 5	2.5 J	9.0	< 10	< 5	< 5	< 5	85	**6.7**	< 10	32		**242**		3040
EW9S	12/20/1999	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10		**21.7**		1640
EW9S	7/13/2000	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	2.6 J	< 5	< 5	< 15		**15.2**		366
EW9S	12/5/2000	< 25	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 15		**13.3**		2060
EW9S	7/24/2001	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10		**24**		160
EW9S	12/18/2001	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	7.5	< 5	< 5	< 10		**1600**		**10000**
EW9S	7/8/2002	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	5.7	< 5	< 5	< 10		ND		130
EW-9S	5/25/2005													< 5		16.9	
EW-9S	6/8/2005	< 100	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 1				
EW10S	3/21/1997		< 500	< 500	570	< 1000		< 500	< 500	**13000**	< 500		7100				
EW10S	5/28/1997	110 J	< 200	< 200	**890**	< 400	< 200	< 200	< 200	**6400**	< 200	< 200	4500				
EW-10S	6/27/1997	< 250	< 120	< 120	400	< 250	< 120	< 120	< 120	**2500**	< 120	< 120	2400				
EW-10S	8/14/1997	< 100	< 50	< 50	170	< 100	< 50	< 50	< 50	850	< 50	< 50	800				
EW10S	11/11/1997	< 250	< 120	< 120	170	< 250	< 120	< 120	< 120	**1800**	< 120	< 120	1600				
EW10S	5/5/1999	< 10	3.7 J	< 5	230 E	< 10	< 5	< 5	< 5	510 BE	1.1 J	< 10	540		**47500**		**38700**
EW10S-Dilution	5/5/1999	< 10	< 5	< 5	240 D	< 10	< 5	< 5	< 5	520 BD	< 5	< 10	580 D				
EW10S	12/20/1999	19	**6.9**	< 5	380 E	< 10	< 5	< 5	< 5	**1100 E**	3.3 J	< 5	2200 E		**2880**		**12000**
EW10S-Dilution	12/20/1999	< 240	< 30	< 10	**940 D**	< 200	< 40	< 40	< 40	**6500 BD**	< 40	< 40	3800 D				
EW10S	7/12/2000	< 10	3.7 J	< 5	330 E	< 10	< 5	< 5	< 5	710 E	1.1 J	< 5	1300 E		**4880**		**7190**
EW10S-Dilution2	7/12/2000	< 10	< 5	< 5	460 D	< 10	< 5	< 5	< 5	**1600 DE**	< 5	< 5	1400 D				
EW10S-Dilution	7/12/2000	< 10	< 6	< 8	72 D	< 20	< 8	< 8	< 5	290 D	< 5	< 8	220 D				
EW10S-Dilution	12/4/2000	< 25	< 12	< 16	430 D	< 40	< 16	< 16	< 5	**2900 D**	< 10	< 16	1600 D				
EW10S	12/4/2000	< 25	< 6	< 8	480	< 20	< 8	< 8	< 5	**3500 E**	< 5	< 8	1800		**5580**		**9960**
EW10S	7/24/2001	< 200	< 100	< 100	680	< 200	< 100	< 100	< 100	**4700 E**	< 100	< 100	3600		**190**		**15000**
EW10S-Dilution	7/24/2001	< 400	< 200	< 200	**740 D**	< 400	< 200	< 200	< 200	**5200 D**	< 200	< 200	3900 D				
EW10S-Dil. (EW105)	12/17/2001	< 100	< 50	< 50	650 D	< 100	< 50	< 50	< 50	< 50	< 50	< 50	210 D		**430**		**8600**
EW10S (EW105)	12/17/2001	< 10	< 5	< 5	**710 E**	< 10	< 5	< 5	< 5	5.3	< 5	< 5	240		**430**		**8600**
EW10S	6/13/2002	32	< 25	< 25	110	< 50		< 25	< 25	700	< 25		740				
EW10S	7/9/2002	< 100	< 50	< 50	440	< 100	< 50	< 50	< 50	**1600**	< 50	< 50	1800		**60**		**8800**
EW10S	12/19/2002	32	< 5	< 10	46	< 10	< 5	< 5	< 5	110	< 5	< 10	580 E		**130**		**12000**
EW10S	12/19/2002	25	< 10	< 5	37 D	< 20	< 10	< 10	< 10	88 D	< 10	< 5	410 D				
EW10S	6/5/2003	< 20	< 10	< 10	88	< 20	< 10	< 10	< 10	180	< 10	< 10	340	**43**		**4600**	
EW-10S	12/19/2003	< 100	< 5	< 5	110	< 10	< 5	< 5	< 5	820	< 5	< 5	720	**213**		3600	
EW-10	6/1/2004	< 10	< 5	< 5	310	< 10	< 5	< 5	< 5	**1400**	< 5	< 5	1570	**171**		**4210**	
EW-10S	11/2/2004	18	2 J	4 J	**1100**	< 10	< 5	< 5	< 5	**10000**	< 5	< 5	5600	**663**		**16200**	
EW-10S	5/17/2005	< 100	< 5	< 5	230 J	< 10	< 5	< 5	< 5	**1400**	< 5	< 10	1180	**77.1**		**5420**	
EW-110S (DUP)	5/17/2005	< 100	< 5	< 5	220 J	< 10	< 5	< 5	< 5	**1400**	< 5	< 10	1160	**76**		**5430**	
EW-10	11/8/2005	< 100	< 5	< 5	450	< 10	< 5	< 5	< 5	**2100**	< 5	< 5	2500	**114**		2790	
EW-10S	6/29/2006	< 100	< 5	< 5	19	< 10	< 5	< 5	< 5	62	< 5	< 5	51	**20.2**		1530	
EW-10S	11/21/2006	< 100	< 5	< 5	26	< 10	< 5	< 5	< 5	120	< 5	< 5	126	< 100		566	

Table 5. Summary of Historical Groundwater Analytical Results, Volatile Organic Compounds, Arsenic and Manganese, Tibbetts Road Site, Barrington, NH

Well Designation	Chemical Name	Acetone	Benzene	cis-1,2-Dichloroethene	Ethylbenzene	Methyl-isobutyl-ketone	Styrene	Tetrachloroethene	1,1,1-Trichloroethane	Toluene	Trichloroethene	Vinyl chloride	Total Xylenes	Arsenic	Arsenic	Manganese	Manganese
	Total/Dissolved:	T	T	T	T	T	T	T	T	T	T	T	T	T	D	T	D
	ICL:	None	5	70	700	1825	100	5	200	1000	5	2	10000	10	10	3650	3650
	Unit:	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/l	ug/L	ug/l	ug/L
Well Designation	**Sample Date**																
EW-10S	5/29/2007	< 100	< 5	< 5	100	< 10	< 5	< 5	< 5	**1100**	< 5	< 5	360	**29.8 J**		2750	
EW-10S	11/26/2007	< 100	2 J	3 J	**740**	< 10	< 5	< 5	< 5	**5700**	0.9 J	< 5	3600	**270**	**280**	**9460**	**9220**
EW-10S	5/19/2008	< 100	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 2	< 1	**27.9 J**		1040	
EW-10	6/30/2008	< 100	2 J	1 J	**750**	< 10	< 5	< 5	< 5	**8500**	5	< 2	3500	**150**		**7730**	
EW-10S	11/17/2008	< 100	2 J	< 5	**830**	< 10	< 5	< 5	< 5	**7600**	4 J	< 2	3900	**104**	**85.2 J**	**7930**	**7950**
IW-1R	10/29/2003	13000	**3300**	**1500**	**820 J**	**12000**	4 J	< 5	< 5	**18000**	**22**	**3 J**	3370	**19.1**		1720	
IW-1R	11/8/2004	930	**2000**	**570 J**	630 J	**4900**	< 5	< 5	< 5	**8300**	< 5	**2 J**	2230	5.02		**8620**	
IW-1R	5/23/2005	200	**2900**	**1200**	**1100**	**5500**	3 J	< 5	< 5	**15000**	< 5	**6 J**	3900	**43.3**		**4380**	
IW-1R	11/7/2005	48 J	**2800**	**1100**	**1000**	**2800**	4 J	< 5	< 5	**11000**	< 5	**6**	3520	**38.1**		**4060**	
IW-1R	6/30/2006	410 J	< 25	< 25	< 25	280	< 25	< 25	< 25	< 25	< 25	< 25	< 5	< 5			
IW-1R	8/29/2006	140	**1900**	**79**	690	1100	< 5	< 5	< 5	**4200**	< 5	< 5	2190	8.36		**6240**	
IW-1	11/21/2006	57 J	**1400**	5 J	430	320	< 5	< 5	< 5	920	< 5	< 5	720	< 100		**6510**	
IW-1	2/26/2007	18 J	**980**	7	260	100	< 5	< 5	< 5	470	< 5	< 5	148	< 100		**18400**	
IW-1R	5/30/2007	20 J	**980**	**510**	280	180	< 5	< 5	< 5	110	< 5	**3 J**	412	< 100		**73800**	
IW-1R	11/27/2007	< 100	**450**	**460**	200	< 10	< 5	< 5	< 5	10	< 5	**3 J**	157	< 100		**5350**	
IW-1R	5/20/2008	< 100	**450**	**350**	140	< 10	< 5	< 5	< 5	5	< 5	1 J	131	< 100		**6330**	
IW-1R	11/18/2008	< 100	**470**	**320**	250	< 10	< 5	< 5	< 5	6	< 5	< 2	247	< 100		**5990**	
IW-2R	10/28/2003	130	**1500**	**410**	260	740	< 5	< 5	< 5	**3600**	< 5	< 5	1020	**16**		26.9	
IW-2R	5/23/2005	310	**590**	< 5	< 5	7 J	< 5	< 5	< 5	1 J	< 5	< 10	< 1	3.63 J		**284000**	
IW-2R	11/8/2005	180	**770**	< 5	< 5	10	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 5		**127000**	
IW-2R	6/30/2006	190 J	< 25	< 25	< 25	44 J	< 25	< 25	< 25	< 25	< 25	< 25	< 5	< 5			
IW-2R	8/30/2006	120	< 5	< 5	< 5	25	< 5	< 5	< 5	< 5	< 5	< 5	< 1	2.82 J		**206000**	
IW-2	11/21/2006	100	2 J	< 5	< 5	7 J	< 5	< 5	< 5	< 5	< 5	< 5	< 1	**64.7 J**		**253000**	
IW-2	2/26/2007	400 J	< 50 UJ	< 50 UJ	< 50 UJ	< 100 UJ	< 50 UJ	< 50 UJ	< 50 UJ	< 50 UJ	< 50 UJ	< 50 UJ	< 10 UJ	**86.1 J**		**707000 J**	
IW-2R	6/1/2007	50 J	2 J	< 5 UJ	< 5 UJ	11 J	< 5 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 1 UJ	**28.6 J**		**172000**	
IW-2R	11/28/2007	29 J	2 J	< 5 UJ	< 5 UJ	12 J	< 5 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 1 UJ	**28.2 J**	**36.3 UB**	**154000**	**150000**
IW2R	5/20/2008	58 J	**12 J**	< 25	< 25	19 J	< 25	< 25	< 25	< 25	< 25	< 10	< 5	< 200		**139000**	
IW-2R	11/20/2008	18 J	**330**	< 5 U	< 5 U	5 J	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U	< 1 U	< 100 U	< 100 U	**7010**	**3690**
IW-3R	2/9/2006	110	**1600**	**990**	**990**	340 J	5	< 5	< 5	**5000**	< 5	2 J	2910				
IW-3R	8/30/2006	440	**1300**	**820**	**740**	390 J	< 5	< 5	< 5	**3500**	< 5	1 J	1970	**14.4**		**3880**	
IW-3	11/20/2006	600	**1000**	**800**	640	830	< 5	< 5	< 5	**1800**	< 5	2 J	1540	< 100		**4900**	
IW-3R	2/28/2007	110	**1000**	**570**	500	220	< 5	< 5	< 5	990	< 5	2 J	860	< 100		924	
IW-3R	5/30/2007	220	**940**	**540**	270	840	< 5	< 5	< 5	930	< 5	**3 J**	430	< 100		1810	
IW-3R	11/26/2007	170	**630**	**460**	160	730	< 5	< 5	< 5	560	< 5	1 J	240	< 100		**3670**	
IW-3R	5/21/2008	38 J	**360**	**450**	100	200	< 5	< 5	< 5	320	< 5	**2**	125	< 100		**6890**	
IW-3R	11/18/2008	< 100	**160**	**290**	61	74	< 5	< 5	< 5	100	< 5	1 J	65	< 100		**9370**	
IW-4R	2/9/2006	25 J	**510**	**120**	47	1200	< 5	< 5	< 5	13	1 J	< 5	182				
IW-4R	8/29/2006	47 J	**420**	**130**	73	610	< 5	< 5	< 5	< 5	1 J	< 5	116	**96**		708	
IW-4	11/20/2006	16 J	**260**	**120**	67	710	< 5	< 5	< 5	1 J	1 J	< 5	60	< 100		504	
IW-4	2/27/2007	32 J	**270**	**140**	47	64	< 5	< 5	< 5	< 5	1 J	< 5	20	**59.4 J**		3240	
IW-4R	5/29/2007	20 J	**220**	**120**	44	52	< 5	< 5	< 5	< 5	1 J	< 5	9	**64.7 J**		770	

Table 5. Summary of Historical Groundwater Analytical Results, Volatile Organic Compounds, Arsenic and Manganese, Tibbetts Road Site, Barrington, NH

	Chemical Name	Acetone	Benzene	cis-1,2-Dichloroethene	Ethylbenzene	Methyl-isobutyl-ketone	Styrene	Tetrachloroethene	1,1,1-Trichloroethane	Toluene	Trichloroethene	Vinyl chloride	Total Xylenes	Arsenic	Arsenic	Manganese	Manganese
	Total/Dissolved:	T	T	T	T	T	T	T	T	T	T	T	T	T	D	T	D
	ICL:	None	5	70	700	1825	100	5	200	1000	5	2	10000	10	10	3650	3650
	Unit:	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/l	ug/L	ug/l	ug/L
Well Designation	**Sample Date**																
IW-4R	11/28/2007	< 100	**85**	**150**	30	42	< 5	< 5	< 5	< 5	2 J	< 5	2	**26.8 J**		578	
IW-4R	5/21/2008	< 100	**48**	**180**	20	25	< 5	< 5	< 5	< 5	2 J	< 2	< 1	< 100		746	
IW-4R	11/20/2008	< 100 U	**27**	**170**	13	62	< 5 U	< 5 U	< 5 U	< 5 U	2 J	< 2 U	< 1 U	< 100		582	
IW-5R	2/9/2006	< 100	**570**	**340**	310	130	3 J	< 5	< 5	440	< 5	< 5	1030				
IW-5R	8/30/2006	190	**400**	**150**	150	90	< 5	< 5	< 5	81	< 5	< 5	480	**21.4**		**5460**	
IW-5	11/20/2006	22 J	**320**	**220**	140	92	< 5	< 5	< 5	19	< 5	< 5	350	< 100		1370	
IW-5	2/27/2007	98 J	**140**	< 5	< 5	14	< 5	< 5	< 5	< 5	< 5	< 5	< 1	**18.3 J**		**57100**	
IW-5R	5/29/2007	< 100	**260**	**180**	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	8	< 100		**6540**	
IW-5R	11/29/2007	< 100	**200**	**150**	5	2 J	< 5	< 5	< 5	< 5	< 5	< 5	2	< 100		**5960**	
IW-5R	5/20/2008	< 100	**77**	**130**	6	< 10	< 5	< 5	< 5	< 5	< 5	< 2	3	< 100		**9410**	
IW-5R	11/21/2008	< 100	**40**	**92**	8	< 10	< 5	< 5	< 5	< 5	< 5	< 2	5	< 100		**10600**	
IW-6R	2/9/2006	< 100	3 J	27	< 5	< 10	< 5	2 J	< 5	11	3 J	< 5	< 1				
IW-6R	8/30/2006	< 100	4 J	**150**	< 5	< 10	< 5	3 J	< 5	< 5	3 J	< 5	< 1	< 5		**4540**	
IW-6	11/20/2006	< 100	3 J	**170**	< 5	< 10	< 5	4 J	< 5	< 5	2 J	< 5	< 1	< 100		**7570**	
IW-6	2/26/2007	< 100	3 J	**110**	< 5	< 10	< 5	3 J	< 5	< 5	2 J	< 5	< 1	< 100		**7470**	
IW-6R	5/31/2007	< 100	3 J	**92**	< 5	< 10	< 5	3 J	< 5	< 5	2 J	< 5	< 1	< 100		**6880**	
IW-6R	11/27/2007	< 100	< 5	**85**	< 5	< 10	< 5	2 J	< 5	< 5	2 J	< 5	< 1	< 100		**6980**	
IW6R	5/20/2008	< 100	< 5	54	< 5	< 10	< 5	2 J	< 5	< 5	2 J	< 2	< 1	< 100		**5970**	
IW-6R	11/20/2008	< 100 U	< 5 U	36	< 5 U	< 10 U	< 5 U	0.9 J	< 5 U	< 5 U	1 J	< 2 U	< 1 U	< 100		**5770**	

110 Boldface value is greater than the ICL
Dup Duplicate Sample
B Constituent was detected in the associated method blank or trip blank
D Compounds identified in analysis at the secondary dilution factor
E Compounds whose concentrations exceed the calibration range of the instrument for that specific analysis
J Estimated concentration
U Compound not detected. The associated numerical value is the sample quantitation limit

Table 6
Monitoring, Extraction, and Injection Wells Sampled During 2008
Tibbetts Road, Barrington, New Hampshire

Well Designation	Semiannual Sampling (Months Sampled)	Geologic Unit Screened by Well
Monitoring Wells		
35R	May, November	Bedrock
37D	May, November	Glacial Outwash/Lower Till
50S	May, November	Glacial Outwash
51S	May, November	Glacial Outwash
57S	May, November	Upper overburden
59R	May, November	Bedrock
61R	May	Bedrock
63R	May	Bedrock
65R	May, November	Bedrock
67R	May	Bedrock
69R	May, November	Bedrock
70S	May	Upper Till/Glacial Outwash
73S	May	Glacial Outwash
75D	May, November	Lower Till
79S	May	Glacial Outwash/Lower Till
103R	May, November	Bedrock
106R	May, November	Bedrock
169R	May, November	Bedrock
201R	May, November	Bedrock
202R	May, November	Bedrock
203R	May, November	Bedrock
204R	May	Bedrock
205R	May, November	Bedrock
Extraction Wells		
EW-2S	May, November	Upper Till/Glacial Outwash
EW-3S	May, November	Glacial Outwash
EW-10S	May, June, and November	Upper Till/Glacial Outwash
Injection Wells		
IW-1R	May, November	Bedrock
IW-2R	May, November	Bedrock
IW-3R	May, November	LowerTill/Weathered Bedrock/Bedrock
IW-4R	May, November	LowerTill/Weathered Bedrock/Bedrock
IW-5R	May, November	LowerTill/Weathered Bedrock/Bedrock
IW-6R	May, November	LowerTill/Weathered Bedrock/Bedrock

Table 7. Summary of Natural Attenuation Analytical Results and Field Parameters, Tibbetts Road Site, Barrington, NH

			Laboratory Results										Field Results			
Well Designation	Sample Date	Bromide mg/L	Chloride mg/L	Nitrate mg/L	Nitrite mg/L	Sulfide mg/L	Sulfate mg/L	Dissolved As ug/L	Dissolved Mn ug/L	Ethane mg/L	Ethene mg/L	Methane mg/L	Ferrous Iron mg/L	Carbon Dioxide mg/L	DO mg/L	ORP mV
EW-1D	5/24/05	**	11	0.785	**	<0.05	<1	4.58JT	8.51T	**	**	**	0	**	0.35	19.7
EW-1S	6/3/05	**	1.1	<0.5	**	0.14	14	**149T**	684T	**	**	**	6.5	**	0.34	24.3
EW-2S	5/19/05	**	0.65	0.058J	**	<0.05	2.77	**15.3T**	637T	**	**	**	2	**	0.34	29.4
EW-2S	6/28/06	**	1.2	<0.5	<0.5	0.0224J	**	**50.2T**	**4300T**	**	**	**	15.6	63	0.37	-2.8
EW-2S	11/21/06	**	1.15J	0.154J	0.159J	0.084	---	**---**	124T	**	**	**	0.2	20	1.3	21.2
EW-2S	6/1/07	**	**	0.051J	---	**	**	---	505T	**	**	**	2	24	1.09	-274.6
EW-2S	11/30/07	**	**	---	---	**	**	**59.7JT**	**2,970T**	**	**	**	2.2	200	3.19	8.3
EW-2S	5/22/08	**	**	<0.5	<0.5	**	**	**<100T**	445T	<0.0025	<0.0032	<0.0012	**	**	0.90	0.8
EW-2S	11/18/08	**	**	**	**	**	**	**<100UB**	**4880T**	**	**	**	1.5	320	2.40	-76.9
EW-3S	5/19/05	**	12	0.084J	**	<0.05	2.25	<5T	**1,230T**	**	**	**	0.2	**	1.72	153.4
EW-3S	11/8/05	**	5.29	0.184J	<0.5	<0.05	22.9	<5T	287T	**	**	**	0.4	166	2.5	563
EW-3S	6/28/06	<1	3.5	<0.5	<0.5	.0224J	**	6.85T	**4140T**	**	**	**	0.6	126	1.95	188.1
EW-3S	11/21/06	**	2.94	0.224J	0.146J	0.0483	16.7	---	312T	**	**	**	0.2	87	3.97	221.1
EW-3S	2/28/07	---	**	**	**	**	**	---	743T	**	**	**	**	**	2.13	156.2
EW-3S	5/30/07	**	**	0.287	---	**	**	---	109T	**	**	**	104	**	1.8	-270.5
EW-3S	11/29/07	**	**	0.0794J	0.492J	**	**	**45JT**	**15,700T**	**	**	**	2.3	85	2.06	43.9
EW-3S	5/21/08	**	**	0.335J	<0.5	**	**	**<100T**	196T	<0.0025	<0.0032	<0.0012	0	86	2.35	163.5
EW-3S	11/17/08	**	**	**	**	**	**	**<100T**	50.2T	**	**	**	0	150	6.53	150.6
EW-5S	4/10/96	**	2.9	<0.5	**	1.1	28	**	**	**	**	**	**	49.5	3.4	**
EW-5S	12/18/02	**	42	0.58	**	<0.10	15	**31**	**6,400**	**	**	**	3.8	>400	0.42	-56.7
EW-5S	6/5/03	**	9.1	6.9	**	<0.10	39	---	**1,000T**	**	**	**	3.4	206	0.54	114.3
EW-5S	12/22/03	**	5.9B	1.8	**	<0.05	39.7B	**19.8T**	330T	**	**	**	4.6	50	1.08	-20.9
EW-5S	11/3/04	**	16	0.993	**	<0.05	22.1	**46.6T**	**966T**	**	**	**	4.0	206	0.6	56.6
EW-5S	5/18/05	**	3.1	2.64	**	<0.05	27.3	<5T	48.4T	**	**	**	0.0	**	0.97	251.5
EW-6S	5/27/04	**	3.3	<0.5	**	<0.05	57.9B	5.72T	**1,410T**	**	**	**	1.4	217	0.57	142.3
EW-6S	5/25/05	**	1.6	<0.5	**	<0.05	37.5	8.66T	**1,310T**	**	**	**	0.3	**	1.01	104.9
EW-6S	6/10/05	**	**	**	**	**	**	**	**	**	**	**	**	**	0.55	73.9
EW-6S	11/11/05	**	1.73	0.066J	<0.5	<0.05	8.4	8.3T	531T	**	**	**	1	126	1.08	67.6
EW-7S	12/19/02	**	12	<0.050	**	<0.10	89	**10**	**710**	**	**	**	0.4	222	2.33	125
EW-7S	6/6/03	**	5	<0.050	**	<0.10	44	---	**850T**	**	**	**	2.2	85	8.11	231.5
EW-7S	12/18/03	**	7.7B	<0.1	**	<0.05	60.5B	3.9JT	**1,720T**	**	**	**	0.6	75	2.52	74.1
EW-7S	5/25/05	**	1.5	0.047J	**	<0.05	22.2	4.72JT	623T	**	**	**	0.2	**	0.97	159.1
EW-7S	6/8/05	**	**	**	**	**	**	**	**	**	**	**	**	**	1.5	153.7
EW-8S	5/25/05	**	0.85	0.199J	**	<0.05	38.2	<5T	9.33T	**	**	**	**	**	**	**
EW-8S	6/10/05	**	**	**	**	**	**	**	**	**	**	**	**	**	3.84	227.7
EW-9S	5/25/05	**	1.1	0.085J	**	<0.05	43.3	<5T	16.9T	**	**	**	**	**	**	**
EW-9S	6/8/05	**	**	**	**	**	**	**	**	**	**	**	**	**	1.1	294
EW-10S	12/19/02	**	31	<0.050	**	<0.10	<5.0	**130**	**12,000**	**	**	**	2.8	**	0.53	-117.5
EW-10S	6/5/03	**	16	1	**	<0.10	5.4	**43T**	**4,600T**	**	**	**	3.8	382	0.65	7.8
EW-10S	12/19/03	**	4.8B	<0.1	**	<0.05	14.2B	**213T**	**3,600T**	**	**	**	2.4	25	0.21	50.5

Table 7. Summary of Natural Attenuation Analytical Results and Field Parameters, Tibbetts Road Site, Barrington, NH

			Laboratory Results										Field Results			
Well Designation	Sample Date	Bromide mg/L	Chloride mg/L	Nitrate mg/L	Nitrite mg/L	Sulfide mg/L	Sulfate mg/L	Dissolved As ug/L	Dissolved Mn ug/L	Ethane mg/L	Ethene mg/L	Methane mg/L	Ferrous Iron mg/L	Carbon Dioxide mg/L	DO mg/L	ORP mV
EW-10S	6/1/04	**	12	0.49J	**	0.0271J	7.34B	**171T**	**4,210T**	**	**	**	4.5	296	0.61	-17.3
EW-10S	11/2/04	**	17	<0.5	**	0.0164	<1	**663T**	**16,200T**	**	**	**	4.4	900	0.31	-115.3
EW-10S	5/17/05	**	7.9	<0.5	**	<0.05	13.8	**77.1T**	**5,420T**	**	**	**	6.4	**	0.5	54.6
W-10SDup (EW110	5/17/05	**	8.1	<0.5	**	<0.05	13.8	**76T**	**5,430T**	**	**	**	**	**	**	**
EW-10S	11/8/05	**	3.38	<0.5	<0.5	0.105	22.1	**114T**	**2,790T**	**	**	**	8.8	112	1.08	104.5
EW-10S	6/29/06	**	2.4	<0.5	<0.5	0.22	29.6	**20.2T**	**1,530T**	**	**	**	2.7	0	0.33	26.8
EW-10S	11/21/06	**	1.92	**	0.169J	0.0626	24.3	**--**	566T	**	**	**	**	**	**	**
EW-10S	5/29/07	**	**	0.055J	---	**	**	**29.8JT**	**2,750T**	**	**	**	5.9	50	0.87	-286.7
EW-10S	11/26/07	**	**	0.054	0.0526	**	**	**280/270T**	**9,220/9,460T**	**	**	**	5.6	237	2.17	-144.9
EW-10S	5/19/08	**	**	0.832	<5UB	**	**	**27.9JT**	**1040T**	<0.0025	<0.0032	0.01	3.0	214	3.35	-21.3
EW-10S	6/30/08	**	**	<0.027	0.042	**	**	**150T**	**7730T**	<0.0025	<0.0032	0	4.4	168	1.57	-99.7
EW-10S	11/17/08	**	**	**	**	**	**	**85.2J/104T**	**7,950/7,930T**	**	**	**	1.8	108	6.55	-84.3
35R	12/20/02	**	4.3	<0.050	**	<0.10	9.5	**20**	**1100**	**	**	**	0	22.2	0.5	-12.1
35R	6/4/03	**	2.6	<0.050	**	<0.10	9.9	**21**	**950T**	**	**	**	0.5	5	1.11	-128.2
35R	12/17/03	**	4.2B	<0.1	**	<0.05	8.68B	**25.2T**	**1110T**	**	**	**	0	14	0.56	-60.1
35R	5/25/04	**	3.9	<0.5	**	<0.05	8.89B	**19.7T**	**1,100T**	**	**	**	0.4	1.72	0.73	-181.7
35R	11/8/04	**	5.6	0.138J	**	<0.05	7.61	**19.6T**	**1,380T**	**	**	**	0	30	0.51	-29.3
35R	5/26/05	<0.5	4.6	0.11J	**	<0.05	8.83	**20.3T**	**1,160T**	**	**	**	0	**	0.32	-98
35R	11/11/05	**	5.95	<0.5	<0.5	<0.05	74.9	**19.8T**	**1,260T**	**	**	**	0.2	40	0.63	-9.7
35R	7/5/06	0.14J	2.6	<0.5	<0.5	0.0246J	11.6	**27T**	**925T**	**	**	**	0	2.4	0.45	-97.2
35R	8/31/06	0.173J	**	**	**	**	**	**23.8T**	**1,060T**	**	**	**	**	**	0.51	-126.2
35R	11/21/06	0.057J	2.84	---	0.1J	0.0435J	10.2	---	**993T**	**	**	**	0	14	0.27	-106.5
35R	2/27/07	0.63J	**	**	**	**	**	---	834T	**	**	**	**	**	0.51	-69.8
35R	5/30/07	**	**	---	---	**	**	---	823T	**	**	**	0	0	0.44	-110.6
35R	11/27/07	**	**	---	0.069J	**	**	**44JT**	**1,120T**	**	**	**	0.8	80	0.4	2
35R	5/22/08	**	**	<0.5	<0.5	**	**	**<100T**	**926T**	<0.0025	<0.0032	0.035	0.2	60	1.86	-132.4
35R	11/21/08	**	**	**	**	**	**	**<100T**	**1170T**	**	**	**	0.5	30	1.28	-114.5
36D	5/18/05	**	12	0.559	**	<0.05	11.5	**19.8T**	6.41T	**	**	**	0	**	2.57	31.5
37D	4/3/96	**	6.6	<0.5	**	1.6	20	**26**	**4,000**	**	**	**	**	72.9	3.6	**
37D	8/12/96	**	7.9	<0.050	**	<1	17	**	**	**	**	**	4.5	82	**	**
37D	12/19/02	**	18	<0.050	**	<0.10	15	**42**	**2,600**	**	**	**	3.2	58	**	-15.3
37D	6/5/03	**	18	<0.050	**	<0.10	7.9	**44T**	**2,800T**	**	**	**	2.5	10	2.88	-17.4
37D	12/19/03	**	27B	<0.1	**	<0.05	8.2B	**55.1T**	**3,410T**	**	**	**	2.4	15	0.89	21.5
37D	5/26/04	**	24	<0.5	**	0.0271J	8.55B	**52.3T**	**3,920T**	**	**	**	4.0	82	1.23	-29.6
37D	11/5/04	**	20	<0.5	**	<0.05	8.79	**53.6T**	**3,870T**	**	**	**	2.6	106	0.83	-39.3
37D	5/20/05	0.06J	16	0.042J	**	<0.05	13.3	**51.1T**	**4,530T**	**	**	**	4.4	**	0.59	-14.2
37D	11/14/05	**	13	<0.5	<0.5	<0.05	12.5	**52T**	**4,850T**	**	**	**	4.2	134	0.87	1.2
37D	6/29/06	<1	6.7	<0.5	<0.5	0.0491J	16	**71.5T**	**6,640T**	**	**	**	3.5	272	1	3.9
37D	8/30/06	<0.5	**	**	**	**	**	**57.4T**	**5,300T**	**	**	**	**	**	0.64	-16.5
37D	11/20/06	---	6.08	---	0.161J	0.0284	16.2	**67.7T**	**5,760T**	**	**	**	1.8	76	1	2.4
37D	2/26/07	---	**	**	**	**	**	**63.0JT**	**5,770T**	**	**	**	**	**	0.96	-5.2
37D	5/31/07	**	**	0.032J	---	**	**	**51.6JT**	**6,610T**	**	**	**	4.2	100	1.39	17.4

Table 7. Summary of Natural Attenuation Analytical Results and Field Parameters, Tibbetts Road Site, Barrington, NH

			Laboratory Results										Field Results			
Well Designation	Sample Date	Bromide mg/L	Chloride mg/L	Nitrate mg/L	Nitrite mg/L	Sulfide mg/L	Sulfate mg/L	Dissolved As ug/L	Dissolved Mn ug/L	Ethane mg/L	Ethene mg/L	Methane mg/L	Ferrous Iron mg/L	Carbon Dioxide mg/L	DO mg/L	ORP mV
37D	11/26/07	**	**	---	0.052J	**	**	**50.4JT**	**5,470T**	**	**	**	3.8	49	0.68	43.5
37D	5/20/08	**	**	<0.5	<0.5	**	**	**61.4JT**	**6,240T**	<0.0025	<0.0032	<0.0012	6.0	222	0.52	-19.2
37D	11/20/08	**	**	**	**	**	**	**80.6JT**	**6140T**	**	**	**	3.4	138.6	1.27	-41.6
50S	12/18/02	**	43	<0.050	**	<0.10	<5.0	**200**	**6,600**	**	**	**	3.4	282	**	-74.3
50S	6/2/03	**	69	<0.05	**	<0.1	<5.0	**570T**	**6,700T**	**	**	**	4	**	0.85	-76.8
50S	12/19/03	**	88B	<0.1	**	<0.05	5.44B	**298T**	**5,700T**	**	**	**	2.2	**	0.55	-54.9
50S	6/2/04	**	23	<0.5	**	<0.05	7.57B	**412T**	**4,480T**	**	**	**	6.0	245	0.49	-100.9
50S	11/3/04	**	15	<0.5	**	<0.05	9.38	**457T**	**5,110T**	**	**	**	2.6	240	4.16	-89.9
50S	5/24/05	**	43	<0.5	**	<0.05	<10	**387T**	**6,700T**	**	**	**	6.2	**	0.24	-105.7
50S	5/20/08	**	**	2.04	<0.5	**	**	**294T**	**5,220T**	**	**	**	3.1	240	1.45	-69.7
50S	11/19/08	**	**	**	**	**	**	**471T**	**6,210T**	**	**	**	1.8	500	0.47	-124.8
51S	4/10/96	**	2.2	<0.5	**	1.1	8.1	**140**	**5,700**	**	**	**	**	83.5	3.7	**
51S	8/14/96	**	1.8	<0.05	**	<10	16	**	**	**	**	**	8	77	3	662
51S	12/18/02	**	35	0.83	**	<0.10	8.3	**57**	**6,600**	**	**	**	4.2	298	0.56	-17.6
51S	6/2/03	**	25	0.97	**	0.14	8.2	**54T**	**5,600T**	**	**	**	3.2	264	0.76	-8.5
51S	12/19/03	**	16B	0.804	**	0.0762	10.8B	**50.4T**	**4,600T**	**	**	**	2.1	25	3.12	10.6
51S	5/28/04	**	16	0.938	**	0.336	13.5B	**75T**	**5,370T**	**	**	**	4.8	583	0.59	-44.0
51S	11/2/04	**	15	0.234	**	<0.05	17.7	**136T**	**6,400T**	**	**	**	5.0	214	0.67	-38.5
51S	5/17/05	**	8.9	<0.5	**	0.111	21.6	**125T**	**4,510T**	**	**	**	5.8	**	0.65	-7.0
51S	11/10/05	**	7.09	0.024J	<0.5	<0.05	20	**139T**	**5,440T**	**	**	**	4.1	298	1.35	-1.8
51S	6/26/06	**	2.6	<0.5	0.158J	0.147	27.8	**188T**	**3,280T**	**	**	**	4.0	<1	0.87	17.3
51S	11/29/06	**	3.3J	0.173J	0.122J	0.065	21.2	**150T**	**5,690T**	**	**	**	2.8	218	0.62	-27.3
51S	5/19/08	**	**	0.245J	<0.5	**	**	**133T**	**4250T**	**	**	**	5.0	300	0.39	-68.4
51S	11/17/08	**	**	**	**	**	**	**208T**	**4420T**	**	**	**	0.8	25.2	6.75	-30.4
52S	4/3/96	**	2.6	<0.5	**	<1	<5	---	150	**	**	**	**	8.4	5.8	**
52S	8/13/96	**	4.6	<0.05	**	<1	<5	**	**	**	**	**	**	16.9	6.3	0
52S	12/18/02	**	20	<0.050	**	<0.10	<5.0	---	**1100**	**	**	**	0.6	28.8	**	211.1
52S	6/4/03	**	15	<0.050	**	<0.10	5.2	---	50T	**	**	**	0	27	10.25	291.7
52S	12/16/03	**	14B	0.19	**	<0.05	12.6B	---	807T	**	**	**	0	5	3.50	365.3
52S	5/20/05	**	3.4	0.096J	**	<0.05	31.3	<5T	650T	**	**	**	0	**	4.70	226.2
52S	6/29/06	**	**	**	**	**	**	**	**	**	**	**	**	**	0.38	635
52S	11/27/06	**	15.5	1.58	0.172J	0.0292J	22.4	---	**1,000T**	**	**	**	0	43	7.05	268.7
53S	5/26/05	**	7.1	0.234J	**	<0.05	<1	<5T	44.4T	**	**	**	0	**	6.11	227.3
57S	4/8/96	**	21	<0.5	**	4.8	<5	**1,300**	**16,000**	**	**	**	**	214.1	4.6	**
57S	8/7/96	**	16	<0.05	**	<20	<5	**190**	**13,000**	**	**	**	8.6	162.9	1.8	**
57S	12/17/02	**	12	0.066	**	<0.10	28	**110**	**12,000**	**	**	**	3.6	119	0.54	3.5
57SDup (157S)	12/17/02	**	12	0.056	**	<0.10	27	**	**	**	**	**	**	**	0.54	3.5
57S	6/6/03	**	3.4	0.065	**	<0.10	27	**33T**	**6,900T**	**	**	**	3	190	0.75	223.5
57SDup (257S)	6/6/03	**	3.7	<0.05	**	<0.10	27	**35T**	**7,100T**	**	**	**	3	190	0.75	223.5
57S	12/19/03	**	3.2B	<0.1	**	<0.05	30.8B	**57.5T**	**8,850T**	**	**	**	4	50	3.54	49.8
57SDup (157S)	12/19/03	**	3.1B	<0.1	**	<0.05	31.7B	**57.6T**	**8,820T**	**	**	**	**	**	**	**
57S	5/27/04	**	2.4	<0.5	**	<0.05	5.57B	**13.5T**	**5,430T**	**	**	**	1.2	243	0.65	169.8

Table 7. Summary of Natural Attenuation Analytical Results and Field Parameters, Tibbetts Road Site, Barrington, NH

			Laboratory Results										Field Results			
Well Designation	Sample Date	Bromide mg/L	Chloride mg/L	Nitrate mg/L	Nitrite mg/L	Sulfide mg/L	Sulfate mg/L	Dissolved As ug/L	Dissolved Mn ug/L	Ethane mg/L	Ethene mg/L	Methane mg/L	Ferrous Iron mg/L	Carbon Dioxide mg/L	DO mg/L	ORP mV
57SDup (157S)	5/27/04	**	2.3	<0.5	**	<0.05	27.2B	**15.4T**	**5,450T**	**	**	**	**	**	**	**
57S	11/4/04	**	4.4	0.102J	**	0.0249J	20.4	**104T**	**10,700T**	**	**	**	0.4	396	0.88	26.1
57SDup (157S)	11/4/04	**	3.7	0.106J	**	<0.05	19.9	**99.3T**	**10,600T**	**	**	**	**	**	**	**
57S	5/24/05	**	2.2	<0.5	**	<0.05	16.6	**36T**	**5,440T**	**	**	**	2.6	**	0.37	90
57SDup (157S)	5/24/05	**	2.1	<0.5	**	<0.05	22.1	**36.5T**	**5,260T**	**	**	**	**	**	**	**
57S	11/8/05	**	1.9	0.055J	<0.5	<0.05	26.5	**51.6T**	**6,050T**	**	**	**	6	168	1.93	274.3
57SDup (157S)	11/8/05	**	1.98	0.044J	<0.5	<0.05	26.5	**53.8T**	**6,300T**	**	**	**	**	**	**	**
57S	6/27/06	**	1.2	<0.5	<0.5	.0224J	16.6	**53.8T**	**4550T**	**	**	**	0	**	0.59	113.1
57SDup (157S)	6/27/06	**	1.4	<0.5	<0.5	.0224J	17.2	**56.4T**	**4970T**	**	**	**	**	**	**	**
57S	11/27/06	**	0.862	---	0.163J	0.0269J	22.3	**53.6JT**	**4,800T**	**	**	**	4	64	1.13	105.2
57SDup (157S)	11/27/06	**	0.873	---	0.184J	0.0269J	22	---	**4,770T**	**	**	**	**	**	**	**
57S	6/1/07	**	**	0.153J	---	**	**	**33JT**	**5,390T**	**	**	**	**	**	0.38	496.1
57SDup (157S)	6/1/07	**	**	0.053J	---	**	**	---	**5290T**	**	**	**	**	**	**	**
57S	11/30/07	**	**	---	---	**	**	**131/119T**	**9,290/8,710T**	**	**	**	2.4	100	2.2	-174.2
57SDup (157S)	11/30/07	**	**	---	---	**	**	**146/133T**	**9,290/8,450T**	**	**	**	**	**	**	**
57S	5/23/08	**	**	<0.5	<0.5	**	**	**<100T**	**2250T**	<0.0025	<0.0032	0.0025	1	150	0.56	96.2
57SDup (157S)	5/23/08	**	**	<0.5	<0.5	**	**	**<100T**	**2490T**	<0.0025	<0.0032	0.0016	1	150	0.56	96.2
57S	11/19/08	**	**	**	**	**	**	**76.3J/78.6JT**	**6520/6380T**	**	**	**	0.8	120	1.44	20.7
57SDup (157S)	11/19/08	**	**	**	**	**	**	**66.9J/66.5JT**	**6430/6550T**	**	**	**	0.8	120	1.44	20.7
59R	5/21/08	**	**	0.191J	<0.5	**	**	**<100T**	**99.9T**	**	**	**	0.6	26	0.36	24.7
59R	11/20/08	**	**	<0.5	<0.5	**	**	**<100T**	**111T**	**	**	**	**	**	1.63	-7.9
61R	11/5/04	**	2.7	0.138J	**	0.0675	11.8	**35.6T**	260T	**	**	**	0.2	76	0.08	-137
61R	5/31/05	**	2.6	<0.5	**	0.463	8.93	**51.7T**	311T	**	**	**	**	**	**	**
61R	5/22/08	**	**	***	***	**	**	**45.8JT**	245T	***	***	***	0.4	38	0.12	-205.9
63R	12/20/02	**	1.1	<0.050	**	<0.10	14	**22**	310	**	**	**	0.1	21.2	0.64	-90.1
63R	6/6/03	**	1.9	<0.050	**	<0.10	13	**25T**	350T	**	**	**	0.4	134	0.42	-112.2
63R	12/22/03	**	1.7B	<0.1	**	<0.05	13.4B	**29.1T**	336T	**	**	**	0	6	0.73	-129.8
63R	6/2/04	**	1.6	<0.5	**	<0.05	11.3B	**25.9T**	297T	**	**	**	0.1	36	0.43	-91.4
63R	11/9/04	**	1.6	<0.5	**	<0.05	12.5	**25.2T**	324T	**	**	**	0	40	0.37	-198.3
63R	6/3/05	**	1.6	<0.5	**	0.123	11.7	**26T**	328T	**	**	**	**	**	**	**
63R	11/7/05	**	1.88	0.03J	<0.5	0.0235J	10.4	**15.8T**	204T	**	**	**	0.6	22	0.34	-229.8
63R	6/30/06	**	1.7	<0.5	<0.5	0.0246J	9.11	**19.4T**	**3090T**	**	**	**	0	**	0.27	-149.9
63R	11/28/06	**	1.42	--	0.098J	0.0936	---	---	177T	**	**	**	0	28	1.23	-106.5
63R	6/1/07	**	**	---	---	**	**	---	324T	**	**	**	0	30	0.65	-340
63R	5/23/08	**	**	<0.5	<0.5	**	**	39JT	329T	<0.0025	<0.0032	<0.0012	0.8	100	2.00	-146.6
65R	12/20/02	**	1.8	<0.050	**	<0.10	12	**15**	680	**	**	**	0.2	26	0.78	-167.3
65R	6/5/03	**	1.2	<0.050	**	<0.10	13	**13T**	770T	**	**	**	0	5	1.24	-159.1
65R	12/22/03	**	2.4B	<0.1	**	<0.05	12.3B	**15.5T**	737T	**	**	**	0	6	0.76	-90.5
65R	6/2/04	**	1.7	<0.5	**	<0.05	11.4B	**13.4T**	605T	**	**	**	0.4	78	0.72	179.2
65R	11/9/04	**	1.8	<0.5	**	<0.05	12.4	**13.2T**	720T	**	**	**	0	60	1.13	-179.7
65R	6/3/05	**	1.7	0.028J	**	0.281	11.6	**34.6T**	**1,410T**	**	**	**	**	**	**	**
65RDup (165R)	6/3/05	**	1.7	0.048J	**	0.493	11.4	**41.9T**	**1,720T**	**	**	**	**	**	**	**

Table 7. Summary of Natural Attenuation Analytical Results and Field Parameters, Tibbetts Road Site, Barrington, NH

			Laboratory Results										Field Results			
Well Designation	Sample Date	Bromide mg/L	Chloride mg/L	Nitrate mg/L	Nitrite mg/L	Sulfide mg/L	Sulfate mg/L	Dissolved As ug/L	Dissolved Mn ug/L	Ethane mg/L	Ethene mg/L	Methane mg/L	Ferrous Iron mg/L	Carbon Dioxide mg/L	DO mg/L	ORP mV
65R	11/7/05	**	2.58	0.047J	<0.5	<0.05	10.3	**17.1T**	751T	**	**	**	0.4	20	0.29	-200.8
65R	7/5/06	**	2.4	<0.5	<0.5	0.0246J	10	**12.8T**	827T	**	**	**	0.1	0	0.38	-212.4
65R	11/28/06	**	2.06	---	0.104J	0.0364J	10.6	---	722T	**	**	**	0.2	89	0.55	-207.4
65R	6/1/07	**	**	0.028J	---	**	**	---	**850T**	**	**	**	0	33	0.59	-104.4
65R	5/23/08	**	**	0.6	<0.5	**	**	**<100T**	**763T**	<0.0025	<0.0032	0.47	1	120	2.08	-165.5
65RDup (265R)	5/23/08	**	**	0.226J	<0.5	**	**	**24.7JT**	**793T**	<0.0025	<0.0032	0.28	1	120	2.08	-165.5
65R	11/19/08	**	**	**	**	**	**	**<100T**	**802T**	**	**	**	0.8	50	4.42	-135.9
67R	12/17/02	**	1.7	<0.050	**	<0.10	<5.0	---	320	**	**	**	1.2	70.2	1.55	
67R	6/9/03	**	2.1	<0.050	**	<0.10	<5.0	---	300T	**	**	**	0.2	10	4.01	-189.4
67R	12/26/03	**	2.1B	<0.1	**	0.1	6.81B	6.94T	182T	**	**	**	0.4	10	3.84	-190.7
67R	5/27/04	**	1.9	<0.5	**	0.15	6.11B	---	153T	**	**	**	0.4	88	0.57	179.5
67R	11/5/04	**	1.8	0.103J	**	0.0619	<1	---	165T	**	**	**	0	40	0.07	-168.9
67R	6/2/05	**	2.1	<0.0227	**	0.0202J	10.7	**14.3T**	43.7T	**	**	**	**	**	**	**
67R	11/9/05	**	2.33	<0.5	<0.5	<0.05	9.39	**10.5T**	95T	**	**	**	0.4	32	0.42	-203.7
67R	6/28/06	**	2	<0.5	<0.5	0.038J	**	6.28T	**2,490T**	**	**	**	27	0	0.18	-182.8
67R	11/27/06	**	1.77	---	0.174J	0.0602	2.47	---	76.6T	**	**	**	0.1	<0.1	0.44	-230.1
67R	5/31/07	**	**	---	---	**	**	---	119T	**	**	**	0	14	0.57	-98.1
67R	5/23/08	**	**	<0.5	<0.5	**	**	<100T	115T	<0.0025	<0.0032	<0.0012	0.2	66	0.47	-155.1
69R	12/18/02	**	9.2	<0.050	**	<0.10	<5.0	**140**	**5,400**	**	**	**	3.6	240	1.61	-136.9
69R	6/4/03	**	8.9	<0.050	**	<0.10	<5.0	**130T**	**4,900T**	**	**	**	5.8	270	0.46	-156.5
69R	12/18/03	**	11B	<0.1	**	<0.05	0.481JB	**98.4T**	**2,290T**	**	**	**	2.25	30	1.48	-197.6
69R	5/26/04	**	13	<0.5	**	<0.05	0.722JB	**48.8T**	**1,370T**	**	**	**	4.4	136	1.45	-131.9
69R	11/3/04	**	14	0.08	**	<0.05	<1	**84.1T**	**1,640T**	**	**	**	3.2	160	0.20	-121.4
69R	5/20/05	0.055J	14	0.038J	**	<0.05	<1	**89T**	**1,660T**	**	**	**	5.8	**	0.39	-154.5
69R	11/9/05	**	15.6	<0.5	<0.5	<0.05	<1	**95.7T**	**2,340T**	**	**	**	5.6	84	0.44	-209.3
69R	6/29/06	2.2	15	0.126J	<0.5	0.0758	0.563J	**137T**	**3420T**	**	**	**	4.2	116	0.38	-163
69R	8/30/06	1.71	**	**	**	**	**	**117T**	**3170T**	**	**	**	**	**	0.30	-127.3
69R	11/20/06	0.619J	12.2	**	0.149J	0.0378J	**	**129T**	**3,760T**	**	**	**	1.4	41	0.60	-138.6
69R	2/26/07	0.43J	**	**	**	**	**	**107T**	**3,760T**	**	**	**	**	**	0.35	-144.7
69R	5/31/07	**	**	0.031J	---	**	**	**91.6JT**	**4,050T**	**	**	**	3.0	57	0.49	-63.7
69R	11/28/07	**	**	---	---	**	**	**109/75.6JT**	**3,900/3,750T**	**	**	**	0.0	100	0.56	-23.5
69R	5/20/08	**	**	<0.5	<0.5	**	**	**92.8JT**	**5120T**	<0.0025	<0.0032	1.30	2.5	182	1.09	-118.8
69R	11/20/08	**	**	**	**	**	**	**98.8J/93.9JT**	**3,840/4,190T**	**	**	**	**	**	1.03	-149.7
70S	5/19/05	**	18	2.52	**	<0.05	9.83	5.24T	**1,820T**	**	**	**	0.8	**	3.85	150.4
70S	11/9/05	**	4.93	0.245J	<0.5	<0.05	22	<5T	**1,850T**	**	**	**	1	**	6.2	138.1
70S	6/27/06	3.2	3.8	1	<0.5	0.038J	21.7	**20.5T**	**5,800T**	**	**	**	4	0	0.9	459.6
70S	5/29/07	**	**	0.23J	---	**	**	---	**1,950T**	**	**	**	1.2	135	4.16	-156
70S	11/30/07	**	**	---	---	**	**	**28JT**	**2,690T**	**	**	**	1.5	100	3.25	58.4
70S	5/19/08	**	**	1.06	<0.5UJ	**	**	**<100T**	**364T**	<0.0025	<0.0032	<0.0012	0.1	130	5.94	307
71S	5/26/05	**	0.076J	0.08J	**	<0.05	3.2	4JT	12.3T	**	**	**	0.2	**	8.36	215.4
72S	12/19/02	**	3.3	<0.050	**	<0.10	42	**210**	**15,000**	**	**	**	3.6	**	0.48	-25.8
72S	6/6/03	**	2.8	<0.050	**	<0.10	35	**57T**	**11,000T**	**	**	**	5.2	125	7.54	295.7

Table 7. Summary of Natural Attenuation Analytical Results and Field Parameters, Tibbetts Road Site, Barrington, NH

			Laboratory Results										Field Results			
Well Designation	Sample Date	Bromide mg/L	Chloride mg/L	Nitrate mg/L	Nitrite mg/L	Sulfide mg/L	Sulfate mg/L	Dissolved As ug/L	Dissolved Mn ug/L	Ethane mg/L	Ethene mg/L	Methane mg/L	Ferrous Iron mg/L	Carbon Dioxide mg/L	DO mg/L	ORP mV
72S	12/18/03	**	2.8B	<0.1	**	<0.05	58.6B	**143T**	**14,400T**	**	**	**	2.8	**	2.13	-64.6
72S	5/26/04	**	9.9	<0.5	**	<0.05	18.5B	**42.5T**	**2,920T**	**	**	**	2.4	193	0.86	41.6
72S	11/4/04	**	1.6	0.13J	**	<0.05	43.5	**200T**	**10,700T**	**	**	**	0.6	382	1.06	-38.1
72S	5/19/05	**	1.1	<0.5	**	<0.05	23.6	**23.1T**	**3,440T**	**	**	**	**	**	0.55	80.8
72S	11/14/05	**	1.65	<0.5	0.054J	<0.05	42.2	**102T**	**6,820T**	**	**	**	10	164	0.62	8.5
73S	12/17/02	**	32	4.8	**	<0.10	13	---	34	**	**	**	0	79.6	4.79	236.4
73S	6/9/03	**	30	4.6	**	<0.10	17	---	20T	**	**	**	0	45	17.26*	149.6
73S	12/22/03	**	29B	2.28	**	<0.05	19.1B	---	25.4T	**	**	**	0	56	7.71	187.6
73S	6/1/04	**	25	1.58	**	<0.05	22.1B	<5	13.5T	**	**	**	0.2	134	6.82	141.5
73S	11/3/04	**	18	1.55	**	<0.05	33	---	13.4T	**	**	**	0	120	5.71	123.2
73S	5/26/05	**	9.5	1.52	**	<0.05	37.1	<5T	19.8T	**	**	**	0.2	**	5.59	223.3
73S	11/8/05	**	6.8	0.815	<0.5	0.0906	38.6	<5T	86.8T	**	**	**	0.2	104	2.8	397.2
73S	6/26/06	**	3.5	1.02	0.142J	0.0446J	44.4	2.87JT	**4,290T**	**	**	**	**	**	**	**
73S	11/28/06	**	4.69	0.756	0.099J	0.316J	62.5	---	12.4T	**	**	**	0.2	55	4.15	238.1
73S	6/1/07	**	**	0.251	---	**	**	---	54.6T	**	**	**	0	100	5.15	128.9
73S	5/22/08	**	**	0.187J	0.219J	**	**	<100T	18.2T	<0.0025	<0.0032	<0.0012	0	130	4.71	197.3
75D	12/17/02	**	50	0.12	**	<0.10	<5.0	---	**980**	**	**	**	1.6	56.8	1.15	18.4
75D	6/3/03	**	47	<0.050	**	<0.10	<5.0	**12T**	**1600T**	**	**	**	3.5	75	0.49	-5.4
75D	12/18/03	**	39B	<0.1	**	<0.05	0.763JB	7.46T	**1,330T**	**	**	**	1.8	35	1.49	43.2
75D	5/25/04	**	30	<0.5	**	<0.05	2.11B	**20.9T**	**1,380T**	**	**	**	3.2	112.6	1.59	15.6
75D	11/4/04	**	26	0.086J	**	<0.05	<1	**15.2T**	**1,420T**	**	**	**	3.3	110	1.20	-27.9
75D	5/26/05	0.098J	18	0.03J	**	<0.05	<1	**10.5T**	**1,610T**	**	**	**	3.6	**	0.32	55.1
75D	11/9/05	**	15	<0.5	<0.5	<0.05	1.08	**15.1T**	**1,420T**	**	**	**	3.2	240	1.49	19.8
75D	6/27/06	0.086J	8.4	<0.5	<0.5	0.0224J	0.943J	**12.7T**	**2130T**	**	**	**	3.6	0	0.90	459.6
75D	11/21/06	---	5.73	---	0.129J	0.0459J	---	---	**1,940T**	**	**	**	2.6	144	0.69	22.9
75D	5/30/07	**	**	0.039J	---	**	**	---	**1,790T**	**	**	**	**	**	0.96	-285.9
75D	11/29/07	**	**	0.455J	---	**	**	---	**1,830T**	**	**	**	2.5	150	0.62	17.3
75D	5/22/08	**	**	<0.5	<0.5	**	**	<100T	**1460T**	<0.0025	<0.0032	0.0019	1.2	164	2.35	34.1
75D	11/17/08	**	**	**	**	**	**	<100T	**1,930T**	**	**	**	2	21	2.15	39.6
76R	5/26/05	**	2.6	0.026J	**	<0.05	1.48	<5T	22T	**	**	**	0	**	3.22	165.3
76RDup (176R)	5/26/05	**	2.6	0.042J	**	<0.05	1.21	<5T	22.3T	**	**	**	**	**	**	**
79S	5/17/05	**	50	0.934	**	<0.05	12.1	<5T	**5,110T**	**	**	**	0.2	**	0.58	241.1
79S	5/19/08	**	**	1.15	<0.5	**	**	<100T	**5140T**	**	**	**	0.5	198	0.61	39.5
80S	5/18/05	**	1.8	<0.5	**	<0.05	16.5	**22.1T**	624T	**	**	**	5.4	**	0.74	105.8
84S	5/18/05	**	2	<0.5	**	0.361	18.5	**75.4T**	**1,150T**	**	**	**	5	**	0.46	-54.9
84S	11/10/05	**	2.46	<0.5	<0.5	<0.05	17.2	**83.2T**	**2,030T**	**	**	**	4.4	**	1.54	-47.3
85S	5/18/05	**	0.83	<0.5	**	0.0496J	16.8	**13T**	225T	**	**	**	3	**	1.13	12.6
87S	5/24/05	**	0.21J	0.036J	**	<0.05	<1	<5T	18.3T	**	**	**	0.2	**	3.57	160.2
88S	5/17/05	**	1	<0.5	**	<0.05	21	3.92JT	69.5	**	**	**	0.4	**	2.26	56.8
103R	12/19/02	**	2.9	<0.050	**	<0.10	<5.0	**36**	**1,600**	**	**	**	0.6	57	**	-147.9
103R	6/3/03	**	3.4	<0.050	**	<0.10	<5.0	**21T**	**1,600**	**	**	**	0	96	0.66	-173.3
103R	12/18/03	**	3.5B	<0.1	**	<0.05	1.03B	**19.5T**	**1,900T**	**	**	**	1.6	5	0.53	-196.6
103R	5/25/04	**	4.6	<0.5	**	0.0383	1.57B	**10.3T**	**1,360T**	**	**	**	0.8	26	0.91	-177.8

Table 7. Summary of Natural Attenuation Analytical Results and Field Parameters, Tibbetts Road Site, Barrington, NH

			Laboratory Results										Field Results			
Well Designation	Sample Date	Bromide mg/L	Chloride mg/L	Nitrate mg/L	Nitrite mg/L	Sulfide mg/L	Sulfate mg/L	Dissolved As ug/L	Dissolved Mn ug/L	Ethane mg/L	Ethene mg/L	Methane mg/L	Ferrous Iron mg/L	Carbon Dioxide mg/L	DO mg/L	ORP mV
103R	11/4/04	**	3.6	0.102J	**	<0.05	<1	**27.6T**	**1,760T**	**	**	**	2	20	1.18	-200.5
103R	5/23/05	**	6.8	0.072J	**	<0.05	1.25	**12.5T**	413T	**	**	**	**	**	**	**
103R	11/9/05	**	4.39	<0.5	<0.5	<0.05	0.551J	**22.3T**	**1,470T**	**	**	**	1.2	66	1.14	-109.5
103R	6/27/06	1.9	6.7	<0.5	<0.5	.0224J	6.32	**13.5T**	711T	**	**	**	0	7.5	0.96	230.1
103R	8/29/06	0.323J	**	**	**	**	**	**18.9T**	**1,230T**	**	**	**	**	**	0.45	-209.7
103R	11/21/06	0.077J	4.65	---	0.139J	0.0625	0.919J	---	**1,420T**	**	**	**	0.6	45	0.67	-216.8
103R	2/28/07	0.823J	**	**	**	**	**	---	**3,330T**	**	**	**	**	**	0.58	540.3
103R	6/1/07	**	**	---	---	**	**	---	604T	**	**	**	0	1	0.76	-312.2
103R	11/29/07	**	**	---	---	**	**	**22.1JT**	**1,060T**	**	**	**	0	50	0.61	57
103R	5/23/08	**	**	<0.5	<0.5	**	**	**<100T**	**627T**	<0.0025	<0.0032	<0.0012	**	**	0.5	-103.6
103R	11/18/08	**	**	**	**	**	**	**<100UB**	**916T**	**	**	**	0	21	1.82	-74.7
105D	5/18/05	**	0.79	0.243J	**	<0.05	6.59	<5T	17.9T	**	**	**	0.2	**	2.71	131.4
106R	12/20/02	**	4.1	<0.050	**	<0.10	11	---	110	**	**	**	0.6	32	0.49	-50.6
106R	6/3/03	**	4.9	<0.050	**	<0.10	11	10T	100T	**	**	**	1.4	5	0.64	-94.8
106R	12/17/03	**	4B	<0.1	**	<0.05	10.7B	9.62T	54.7T	**	**	**	0.8	12	0.53	-82.3
106R	6/3/04	**	4	<0.5	**	<0.05	9.09B	6.94T	91.8T	**	**	**	2.0	82	0.52	-118.2
106R	11/9/04	**	4.4	0.0870J	**	<0.05	10.6	<5T	54.9T	**	**	**	1.1	50	0.54	-91.6
106R	5/27/05	**	4.1	0.088J	**	<0.05	9.9	<5T	82T	**	**	**	1.6	**	0.54	-84.4
106R	11/10/05	**	4.63	<0.5	<0.5	<0.05	11.2	<5T	56.7T	**	**	**	1.2	38	1.32	-56.2
106R	7/6/06	0.087J	3.5	<0.6	<0.6	0.0246J	11.8	5.52T	73T	**	**	**	0.6	6.1	0.17	-80.4
106R	11/27/06	**	3.32	---	0.177J	0.0269J	10.6	---	75.5T	**	**	**	0.6	24	0.45	-107.2
106R	5/29/07	**	**	---	---	**	**	---	65.9T	**	**	**	1.5	19	0.27	-101.8
106R	11/30/07	**	**	---	---	**	**	---	43.3T	**	**	**	**	60	0.65	11.2
106R	5/23/08	**	**	<0.5	<0.5	**	**	<100T	62.6T	<0.0025	<0.0032	0.0029	0.0	16	0.35	-135.8
106R	11/19/08	**	**	**	**	**	**	<100T	43.2T	**	**	**	0.0	20	1.13	-73.2
108R	6/4/03	**	4.4	<0.050	**	<0.10	15	**25T**	76T	**	**	**	**	5	1.05	318.4
108R	12/16/03	**	2.3B	<0.1	**	<0.05	13.8B	**29.9T**	103T	**	**	**	0	160	0.40	-26.2
108R	6/1/05	**	1.9	<0.5	**	<0.05	14.5	**27T**	79.4T	**	**	**	0	**	0.63	253.2
108R	7/5/06	.44J	**	**	**	**	**	---	80.8T	**	**	**	0	**	0.94	72.1
108R	11/28/06	---	1.77	---	0.097J	0.0316J	15.1	---	107T	**	**	**	0	32	0.67	-54.1
108R	5/31/07	**	**	39J	---	**	**	---	71.3T	**	**	**	0	11	0.70	-64.5
108R	11/29/07	**	**	---	---	**	**	**29JT**	102T	**	**	**	0	42	1.67	179.2
169R	12/19/02	**	7.0	<0.05	**	<0.10	<5.0	**69**	**4,700**	**	**	**	4.8	141	**	-126
169RDup (269R)	12/19/02	**	6.8	<0.05	**	<0.10	<5.0	**	**	**	**	**	**	**	**	**
169R	6/4/03	**	7.5	<0.050	**	<0.10	<5.0	**80T**	**5,300T**	**	**	**	3	181	0.62	-146.7
169RDup (269R)	6/4/03	**	7.5	<0.050	**	<0.10	<5.0	**77T**	**5,200T**	**	**	**				
169R	12/16/03	**	11B	<2	**	<0.05	2.37JB	**28.8T**	**13,600T**	**	**	**	0	**	0.21	557.7
169RDup (269R)	12/16/03	**	11B	<2	**	<0.05	3.13JB	**29.1T**	**14,400T**	**	**	**				
169R	5/24/04	**	9.2	<0.5	**	<0.05	0.69JB	**25.9T**	**5,090T**	**	**	**	0.0	100	1.34	187.1
169RDup (269R)	5/24/04	**	9.2	<0.5	**	<0.05	0.522JB	**28.7T**	**5,640T**	**	**	**				
169R	11/3/04	**	9.3	0.089J	**	<0.05	<1	**33.7T**	**4,370T**	**	**	**	1.9	136	0.23	-130.7
169RDup (269R)	11/3/04	**	9.2	<0.5	**	<0.05	<1	**33.8T**	**4,130T**	**	**	**	**	**	**	**
169R	5/20/05	0.035J	12	0.043J	**	<0.05	<1	**53T**	**4,620T**	**	**	**	4.5	**	0.55	-136.4

Table 7. Summary of Natural Attenuation Analytical Results and Field Parameters, Tibbetts Road Site, Barrington, NH

			Laboratory Results										Field Results			
Well Designation	Sample Date	Bromide mg/L	Chloride mg/L	Nitrate mg/L	Nitrite mg/L	Sulfide mg/L	Sulfate mg/L	Dissolved As ug/L	Dissolved Mn ug/L	Ethane mg/L	Ethene mg/L	Methane mg/L	Ferrous Iron mg/L	Carbon Dioxide mg/L	DO mg/L	ORP mV
169RDup (269R)	5/20/05	<0.5	12	0.028J	**	<0.05	<1	**51.6T**	**4,610T**	**	**	**	**	**	**	**
169R	11/7/05	**	13.9	0.04J	<0.5	<0.05	<1	**56.9T**	**4,450T**	**	**	**	3.0	120	0.35	-138.4
169RDup (269R)	11/7/05	**	13.5	0.059J	<0.5	<0.05	<1	**58.5T**	**4,450T**	**	**	**	**	**	**	**
169R	6/28/06	1.7	16	<0.5	<0.5	0.0224J	**	**10.4T**	**27,500T**	**	**	**	0.4	158	0.45	268.9
169RDup (269R)	6/28/06	1.7	15	<0.5	<0.5	0.0224J	**	**7.45T**	**27,300T**	**	**	**	**	**	**	**
169R	8/29/06	1.71	**	**	**	**	**	**27.9T**	**6,090T**	**	**	**	**	**	0.3	289.7
169RDup (269R)	8/29/06	1.63	**	**	**	**	**	**27.4T**	**5,870T**	**	**	**	**	**	**	**
169R	11/20/06	0.912	16.5	---	0.154J	0.0307J	---	---	**2,900T**	**	**	**	1.0	98	2.55	-142
169RDup (269R)	11/20/06	0.895	16.5	---	0.169J	0.0331J	---	---	**2,950T**	**	**	**	**	**	**	**
169R	2/26/07	1.87	**	**	**	**	**	**26.5JT**	**5,250T**	**	**	**	**	**	0.33	9.8
169RDup (269R)	2/26/07	2.46	**	**	**	**	**	**26.5JT**	**5,530T**	**	**	**	**	**	**	**
169R	5/29/07	**	**	---	---	**	**	**20.8TJ**	**4,320T**	---	---	3.6	0.32	**	0.3	222.5
169RDup (269R)	5/29/07	**	**	---	---	**	**	**19.9TJ**	**4,340T**	---	---	1.2	**	**	**	**
169R	11/27/07	**	**	---	---	**	**	**42.9JT**	**2,070T**	---	---	3.6	2.4	121	1.81	-281.1
169RDup (269R)	11/27/07	**	**	---	---	**	**	**50.9JT**	**2,090T**	---	---	3.0	**	**	**	**
169R	5/20/08	**	**	0.457J	<0.5	**	**	**31.8JT**	**2620T**	<0.0025	<0.0032	2.5	1.6	38	0.38	-179.3
169RDup (269R)	5/20/08	**	**	0.25J	0.22J	**	**	**30.1JT**	**2520T**	<0.0025	<0.0032	2.8	1.6	38	0.38	-179.3
169R	11/18/08	**	**	**	**	**	**	**<100T**	**2,690T**	**	**	**	1.6	83.8	1.4	-112.7
169RDup (269R)	11/18/08	**	**	**	**	**	**	**<100T**	**2,730T**	**	**	**	1.6	83.8	1.4	-112.7
201R	12/16/03	**	5.7B	<0.1	**	<0.05	43B	5.26T	2.11T	**	**	**	0	5	5.29	-19.8
201R	5/25/04	**	5.7	<0.5	**	<0.05	23.8B	6.15T	4.25T	**	**	**	0.0	2.0	0.98	53.4
201R	11/8/04	**	5.7	<0.5	**	<0.05	21.6	5.44T	20.2T	**	**	**	0.0	30	0.95	218.9
201R	6/1/05	**	5.8	<0.5	**	<0.05	19.1	9.31T	1.44JT	**	**	**	0.0	**	1.03	275.8
201R	11/10/05	**	6.53	0.026J	<0.5	<0.05	21.1	4.36JT	45.3T	**	**	**	0.2	58	0.28	-92.3
201R	7/5/05	0.12J	6	<0.5	<0.5	0.0246J	12	9.45T	193T	**	**	**	0.0	8.2	0.41	-299.1
201R	8/31/06	<0.5	**	**	**	**	**	8.8T	220T	**	**	**	**	**	0.61	-318.3
201R	11/21/06	0.319J	6.02	---	0.127J	1.12	3.66	---	82.6T	**	**	**	**	**	0.97	-140.6
201R	2/27/07	---	**	**	**	**	**	---	162T	**	**	**	**	**	0.83	-163.4
201R	5/30/07	**	**	0.031	---	**	**	---	265T	---	---	0.13	0	25	1.23	150.5
201R	11/27/07	**	**	---	0.063J	**	**	---	313T	---	---	0.24	0.5	93	1	-32.5
201R	5/22/08	**	**	0.177J	<0.5	**	**	**<100T**	430T	<0.0025	<0.0032	0.11	1.2	44	2.55	-159.6
201R	11/21/08	**	**	**	**	**	**	**<100T**	534T	**	**	**	1	62	1.22	-206.6
202R	12/17/03	**	5.7B	<0.1	**	<0.05	136B	7.74T	14.9T	**	**	**	0	**	4.54	22.6
202R	5/24/04	**	5.8	<0.5	**	<0.05	44.8B	**14.8T**	119T	**	**	**	0.0	0.0	1.27	39.1
202R	11/5/04	**	6.7	<0.5	**	<0.05	37.4	**16.7T**	96.6T	**	**	**	0.2	0.0	0.75	-72.3
202R	5/23/05	<0.5	7.3	0.042J	**	<0.05	25.5	**29.9T**	79.8T	**	**	**	0.2	**	0.56	18.5
202R	11/8/05	**	8.59	0.025J	<0.5	<0.05	34.3	**25.9T**	136T	**	**	**	0.0	50.0	0.4	227.8
202R	6/29/06	0.88J	11	<0.5	<0.5	.038J	20.9	**42.6T**	**2860T**	**	**	**			0.5	473
202R	8/29/06	3.79	**	**	**	**	**	**24.8T**	**1150T**	**	**	**	**	**	0.32	430.9
202R	11/20/06	4.44	16	---	0.16J	0.0284J	---	---	256T	**	**	**	0.0	16.0	0.32	-85.2
202R	2/27/07	3.09	**	**	**	**	**	**25.2JT**	461T	**	**	**	**	**	0.46	29.4
202R	5/29/07	**	**	---	---	**	**	---	694T	**	**	**	0.0	43.0	0.23	-36.1
202R	11/30/07	**	**	---	0.31J	**	**	**23.5JT**	146T	**	**	**	0.0	77.0	1.59	-209

Table 7. Summary of Natural Attenuation Analytical Results and Field Parameters, Tibbetts Road Site, Barrington, NH

			Laboratory Results										Field Results			
Well Designation	Sample Date	Bromide mg/L	Chloride mg/L	Nitrate mg/L	Nitrite mg/L	Sulfide mg/L	Sulfate mg/L	Dissolved As ug/L	Dissolved Mn ug/L	Ethane mg/L	Ethene mg/L	Methane mg/L	Ferrous Iron mg/L	Carbon Dioxide mg/L	DO mg/L	ORP mV
202R	5/19/08	**	**	1.30	<0.5	**	**	**42JT**	190T	<0.0025	<0.0032	0.0099	0.2	68.0	0.35	25.8
202R	11/20/08	**	**	**	**	**	**	**<100T**	1,840T	**	**	**	0.8	90.0	1.58	-164
203R	5/24/05	<500	75J	41.4J	**	<0.05	<1000	<5T	**139,000T**	**	**	**	**	**	4.08	590.4
203R	11/7/05	**	<500	19.3J	<250	<12.5	129J	<5T	**126,000T**	**	**	**	**	**	4.63	598.6
203R	6/28/06	<50	19J	<50	<50	0.0224J	**	3.98JT	**13,600T**	**	**	**	**	**	4.01	530.4
203R	8/30/06	10J	**	**	**	**	**	2.54JT	**119,000T**	**	**	**	**	**	1.59	611.3
203R	11/21/06	4.85J	20.5J	---	0.795J	0.0269J	13.7	---	**47,500T**	**	**	**	**	**	1.07	592.8
203R	2/27/07	---	**	**	**	**	**	**72.2JT**	**490,000T**	**	**	**	**	**	5.56	663.9
203R	5/30/07	**	**	---	---	**	**	**49.4JT**	**382,000T**	**	**	**	**	**	6.51	640.9
203R	11/28/07	**	**	0.461J	3.9J	**	**	**71.2J/50.8JT**	**289,000/356,000T**	**	**	**	**	**	7.56	396.1
203R	5/19/08	**	**	<250	<0.5	**	**	**<200T**	**293,000T**	**	**	**	**	**	5.87	615.9
203R	11/21/08	**	**	**	**	**	**	**<100/<100T**	**98,000/101,000T**	**	**	**	**	**	3.63	563.2
204R	12/17/03	**	2.6B	<0.1	**	<0.05	44.1B	8.13T	1.46T	**	**	**	0	1	2.31	120.0
204R	5/25/04	**	2.8	<0.5	**	<0.05	31.9B	**10.3T**	9.73T	**	**	**	0.0	0.0	2.63	88.1
204R	11/5/04	**	3.1	0.110J	**	<0.05		**13.7T**	2.84JT	**	**	**	0.3	4	2.19	-63
204R	5/23/05	**	3.2	0.051J	**	<0.05	13.1	**19.3T**	21.5T	**	**	**	**	**	0.61	36.3
204R	11/10/05	**	4.04	0.044J	<0.5	<0.05	36.8	**13.1T**	6.76T	**	**	**	0.1	**	1.28	-77.8
204R	6/29/06	.22J	3.2	<0.5	<0.5	.0491J	25.4	**14.1T**	5.83T	**	**	**	0	0.6	2.71	539.7
204R	8/31/06	**	**	**	**	**	**	**	**	**	**	**	**	**	1.34	-5.6
204R	11/20/06	0.329J	3.52	---	0.169J	0.0166J	---	---	4.68JT	**	**	**	0.8	28	0.79	-0.2
204R	5/29/07	**	**	---	---	**	**	---	4.33JT	**	**	**	0.4	94	4.43	26.3
204R	5/19/08	**	**	<0.5	<0.5	***	**	<100T	13.6T	**	**	**	0	24	3.67	56.3
205R	7/5/06	0.065J	15	<0.5	<0.5	0.0246J	<1	**29.8T**	**893T**	**	**	**	0.4	80	0.98	-154
205R	8/31/06	0.131J	**	**	**	**	**	**30.4T**	**941T**	**	**	**	**	**	0.43	-167.3
205R (Dup 305R)	8/31/06	0.122J	**	**	**	**	**	**32.2T**	**948T**	**	**	**	**	**	**	**
205R	11/20/06	0.144J	19.7	---	0.151J	0.104	---	---	**937T**	**	**	**	0.9	44	0.59	-181.1
205R	2/27/07	0.085J	**	**	**	**	**	**30.2JT**	**925T**	**	**	**	**	**	0.42	-167.7
205R (Dup 305R)	2/27/07	0.088J	**	**	**	**	**	**19.2JT**	**937T**	**	**	**	**	**	**	**
205R	5/31/07	**	**	---	---	**	**	---	**920T**	---	---	0.21	0.9	41	0.54	-170.5
205R	11/29/07	**	**	0.0596J	---	**	**	**66.3JT**	**928T**	---	---	0.26	0.6	85	1.51	-47.7
205R	5/21/08	**	**	<0.5	<0.5	**	**	**36.5JT**	**892T**	<0.0025	<0.0032	0.21	1.0	104	0.47	-238.4
205R	11/19/08	**	**	**	**	**	**	**<100T**	**916T**	**	**	**	0.8	40	0.81	-238
IW-1R	11/8/04	**	7.6	<0.5	**	<0.05	<1	5.02T	**8,620T**	**	**	**	**	**	2.00	136.9
IW-1R	5/23/05	**	8.3	0.354J	**	<0.05	<20	**43.3T**	**4,380T**	**	**	**	**	**	7.44	543.5
IW-1R	11/7/05	**	9.45	0.047J	<0.5	<0.05	<1	**38.1T**	**4,060T**	**	**	**	1.1	164	0.40	-94.3
IW-1R	6/30/06	69J	72J	<250	<250	0.616J	<1000	<5T	**4,060T**	**	**	**	**	**	1.31	596.3
IW-1R	8/29/06	1.61J	**	**	**	**	**	8.36T	**6,240T**	**	**	**	**	**	0.51	539.2
IW-1R	11/21/06	17.4J	149	---	0.256J	0.0435J	6.57	---	**6,510T**	**	**	**	**	**	0.85	542.6
IW-1R	2/26/07	---	**	**	**	**	**	---	**18,400T**	**	**	**	**	**	**	**
IW-1R	5/30/07	**	**	0.022J	---	**	**	---	**73,800T**	---	---	3.4	0	125	0.19	253.9
IW-1R	11/27/07	**	**	---	---	**	**	---	**5,350T**	---	---	2.7	0.8	174	1.36	-296.8
IW-1R	5/20/08	**	**	<0.5	<0.5	**	**	<100T	**6,330T**	<0.0025	<0.0032	1.7	0.8	64	0.5	-78.3
IW-1R	11/18/08	**	**	**	**	**	**	<100T	**5,990T**	**	**	**	1.6	120	0.66	-106.9

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			Laboratory Results										Field Results			
Well Designation	Sample Date	Bromide mg/L	Chloride mg/L	Nitrate mg/L	Nitrite mg/L	Sulfide mg/L	Sulfate mg/L	Dissolved As ug/L	Dissolved Mn ug/L	Ethane mg/L	Ethene mg/L	Methane mg/L	Ferrous Iron mg/L	Carbon Dioxide mg/L	DO mg/L	ORP mV
IW-2R	5/23/05	**	71J	<500	**	<0.05	<1000	3.63JT	**284,000T**	**	**	**	**	**	**	**
IW-2R	11/8/05	**	223J	<250	<250	<12.5	<500	<5T	**127,000T**	**	**	**	**	**	4.87	533.2
IW-2R	6/30/06	23J	70J	<250	<250	0.672J	<1000	<5T	**9340T**	**	**	**	**	**	2.45	625.5
IW-2R	8/30/06	15.3J	**	**	**	**	**	2.82JT	**206000T**	**	**	**	**	**	3.63	553.1
IW-2R	11/21/06	14.3J	33.4J	**	1.91J	0.134J	30.6	**64.7T**	**253,000T**	**	**	**	**	**	4.5	563.1
IW-2R	2/26/07	---	**	**	**	**	**	**86.1JT**	**707,000T**	**	**	**	**	**	7.12	652.1
IW-2R	6/1/07	**	**	---	---	**	**	**28.6JT**	**172,000T**	**	**	**	**	**	3.68	511.7
IW-2R	11/28/07	**	**	6.8J	8.12J	**	**	**36.3J/28.2JT**	**150,000/154,000T**	**	**	**	0	134	0.97	-294.3
IW-2R	5/20/08	**	**	<125	<125	**	**	**<200T**	**139,000T**	<0.0025	<0.0032	0.74	**	**	6.25	518.8
IW-2R	11/20/08	**	**	**	**	**	**	**<100/<100T**	**3690/7010T**	**	**	**	**	**	1.72	490.7
IW-3R	2/9/06	**	**	**	**	**	**	**	**	**	**	**	**	**	0.56	-92.1
IW-3R	8/30/06	1.38	**	**	**	**	**	**14.4T**	**3880T**	**	**	**	**	**	0.25	437.6
IW-3R	11/20/06	0.302J	19	---	0.168J	0.0449J	5.82	---	**4,900T**	**	**	**	0.2	**	0.48	-68.7
IW-3R	2/28/07	4.09	**	**	**	**	**	---	**924T**	**	**	**	**	**	0.37	-46.1
IW-3R	5/30/07	**	**	0.029J	---	**	**	---	**1,810T**	**	**	**	0	59	0.34	316.9
IW-3R	11/26/07	**	**	---	---	**	**	---	**3,670T**	**	**	**	0	134	0.97	-294.3
IW-3R	5/21/08	**	**	<0.5	0.37J	**	**	<100T	**6890T**	<0.0025	<0.0032	2.1	1	167	1.23	-175.2
IW-3R	11/18/08	**	**	**	**	**	**	<100T	**9370T**	**	**	**	0	120	1.96	-157.3
IW-4R	2/9/06	**	**	**	**	**	**	**	**	**	**	**	**	**	0.40	-125.1
IW-4R	6/28/06	**	**	**	**	**	**	**	**	**	**	**	**	**	0.28	375.4
IW-4R	8/29/06	0.491J	**	**	**	**	**	**96T**	708T	**	**	**	**	**	0.28	-67.1
IW-4R	11/20/06	0.104J	14.9	---	0.162	0.0307	3.79	---	504T	**	**	**	0	24	0.29	-152.6
IW-4R	2/27/07	2.29	**	**	**	**	**	**59.4JT**	**3,240T**	**	**	**	**	**	0.22	39.7
IW-4R	5/29/07	**	**	0.046J	---	**	**	**64.7JT**	770T	**	**	**	0	40	0.23	-302.7
IW-4R	11/28/07	**	**	---	---	**	**	**26.8JT**	578T	**	**	**	0.5	150	0.56	13.2
IW-4R	5/21/08	**	**	<0.5	<0.5	**	**	**<100T**	746T	<0.0025	<0.0032	0.054	**	85	1.40	-89.8
IW-4R	11/20/08	**	**	**	**	**	**	**<100T**	582T	**	**	**	0	100	2.01	-131
IW-5R	2/9/06	**	**	**	**	**	**	**	**	**	**	**	**	**	-39.22	-60.8
IW-5R	6/28/06	**	**	**	**	**	**	**	**	**	**	**	**	**	6.78	678.1
IW-5R	8/30/06	48.50	**	**	**	**	**	**21.4T**	**5,460T**	**	**	**	**	**	0.38	113.5
IW-5R	11/20/06	18.90	33.9	---	0.151J	0.0401J	81.3	---	**1,370T**	**	**	**	0	97	0.46	-168.6
IW-5R	2/27/07	---	**	**	**	**	**	**183JT**	**57,100T**	**	**	**	**	**	0.76	603.4
IW-5R	5/29/07	**	**	---	---	**	**	---	**6,540T**	**	**	**	0	10	2.72	335.0
IW-5R	11/29/07	**	**	0.0285J	---	**	**	---	**5,960T**	**	**	**	**	142	1.69	24.2
IW-5R	5/20/08	**	**	<0.5	<0.5	**	**	<100T	**9,410T**	<0.0025	<0.0032	0.14	0.4	86	0.82	-38.3
IW-5R	11/21/08	**	**	**	**	**	**	<100T	**10600T**	**	**	**	0.2	165	0.96	39.6
IW-6R	2/9/06	**	**	**	**	**	**	**	**	**	**	**	**	**	0.32	-23.5
IW-6R	6/28/06	**	**	**	**	**	**	**	**	**	**	**	**	**	0.75	660.2
IW-6R	8/30/06	0.28J	**	**	**	**	**	---	**4540T**	**	**	**	**	**	0.41	489.9
IW-6R	11/20/06	---	---	---	0.164	0.0307	2.29	---	**7,570T**	**	**	**	0.2	68	0.39	94.6
IW-6R	2/26/07	0.077J	**	**	**	**	**	---	**7,470T**	**	**	**	**	**	0.35	100.9

Table 7. Summary of Natural Attenuation Analytical Results and Field Parameters, Tibbetts Road Site, Barrington, NH

			Laboratory Results										Field Results			
Well Designation	**Sample Date**	**Bromide mg/L**	**Chloride mg/L**	**Nitrate mg/L**	**Nitrite mg/L**	**Sulfide mg/L**	**Sulfate mg/L**	**Dissolved As ug/L**	**Dissolved Mn ug/L**	**Ethane mg/L**	**Ethene mg/L**	**Methane mg/L**	**Ferrous Iron mg/L**	**Carbon Dioxide mg/L**	**DO mg/L**	**ORP mV**
IW-6R	5/31/07	**	**	---	---	**	**	---	**6,880T**	**	**	**	1.3	64	4.29	50
IW-6R	11/27/07	**	**	---	0.059J	**	**	---	**6,980T**	**	**	**	1.5	150	0.54	143
IW-6R	5/20/08	**	**	<0.5	<0.5	**	**	<100T	**5970T**	<0.0025	<0.0032	0.0073	5.1	127	1.29	4.7
IW-6R	11/20/08	**	**	**	**	**	**	<100T	**5770T**	**	**	**	2	154.4	0.44	-28

--- Below reporting limit.

** Data not available or not sampled.

B **Bold** values indicate exceedances of ICLs

J Estimated concentration.

B Constituent was detected in the associated method blank.

D Identifies all compounds identified in analysis at the secondary dillution factor.

E Identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.

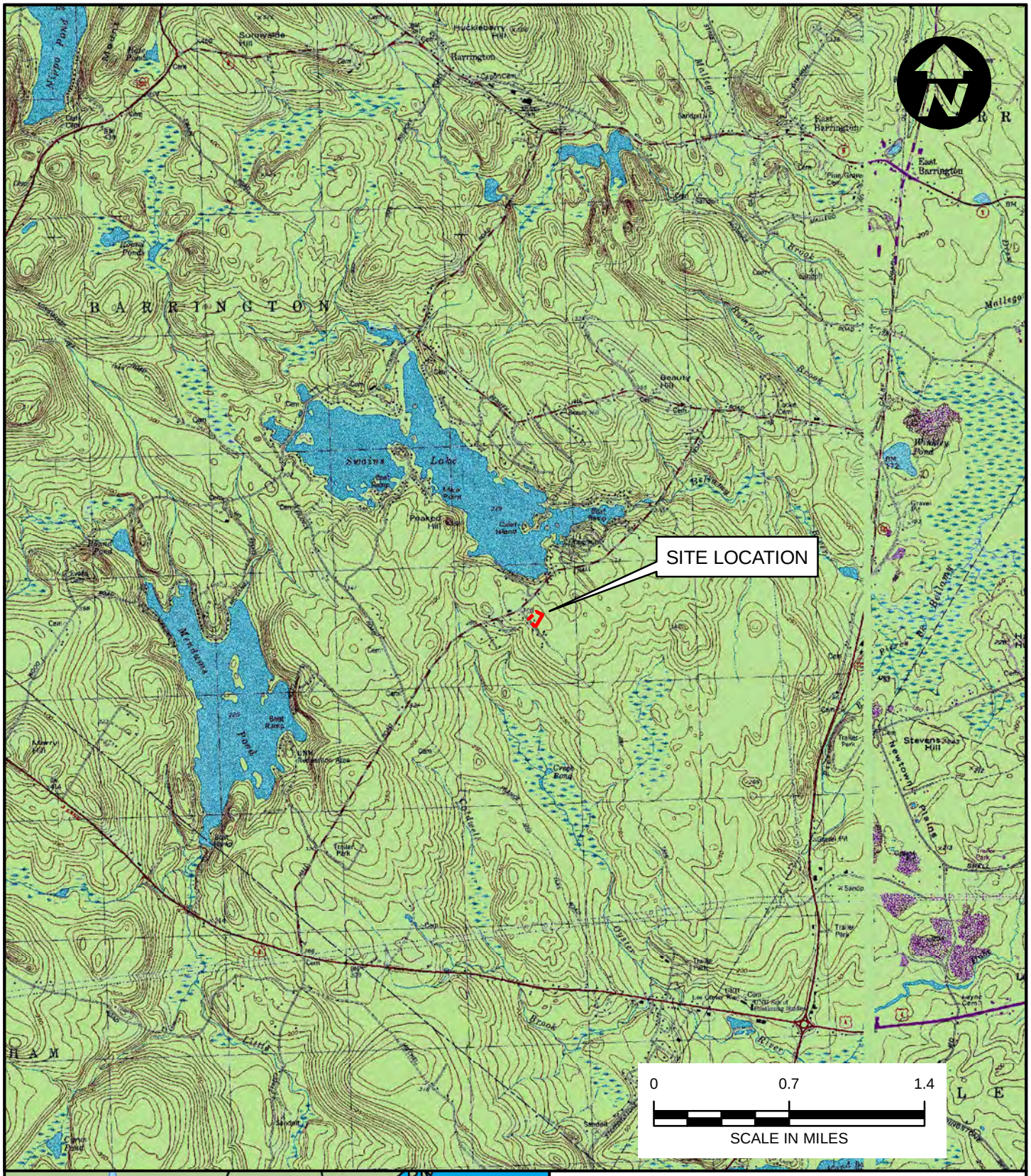
T Total (unfiltered) concentration

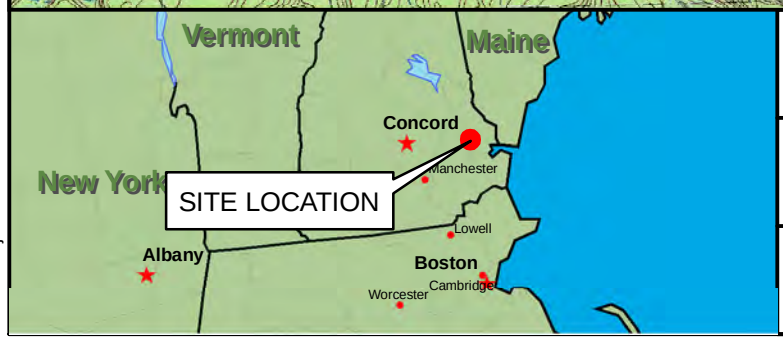
DO Dissolved Oxygen

Dup Duplicate Sample

NA Not Analyzed

* This value appears to be an erroneous reading due to greater than saturation value.





TIBBETTS ROAD SITE
BARRINGTON, NEW HAMPSHIRE

SITE LOCATION MAP

ARCADIS

FIGURE
1

CITY: NOVI DIV/GROUP: ENV DB: KW PIC: EC PM: DS TM: PJC
Project (Project #) MA000725
G:\GIS\Project Files\Ford\TibbetsRoad\Documents\SiteLocation.mxd

CITY: NOVI DIV/GROUP: ENV DB: KW PIC: EC PM: DS TM: PJC
Project (Project #) MA000725
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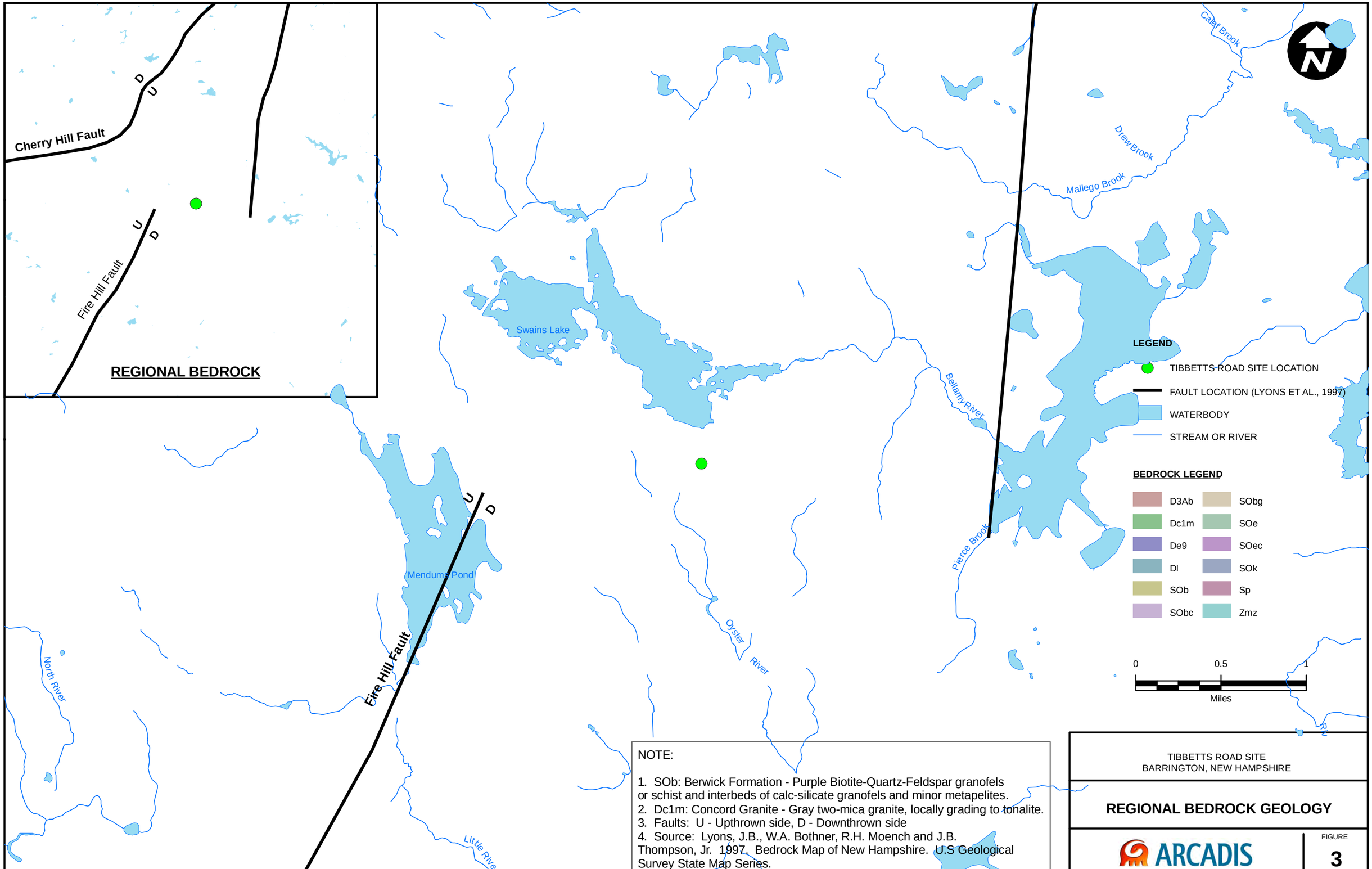


NOTE:

1. SOb: Berwick Formation - Purple Biotite-Quartz-Feldspar granofels or schist and interbeds of calc-silicate granofels and minor metapelites.
2. Dc1m: Concord Granite - Gray two-mica granite, locally grading to tonalite.
3. Faults: U - Upthrown side, D - Downthrown side
4. Source: Lyons, J.B., W.A. Bothner, R.H. Moench and J.B. Thompson, Jr. 1997. Bedrock Map of New Hampshire. U.S Geological Survey State Map Series.

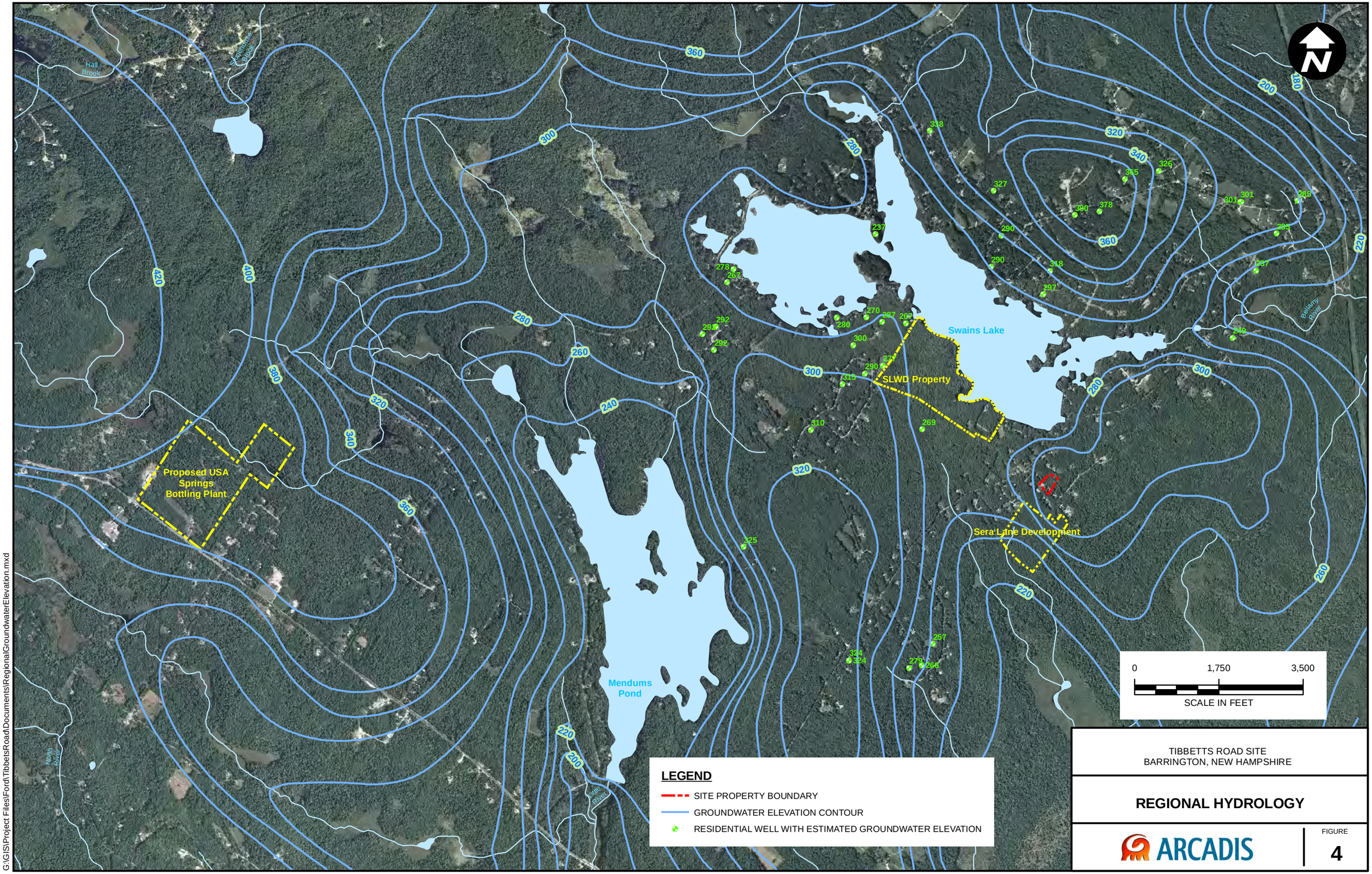
TIBBETTS ROAD SITE
BARRINGTON, NEW HAMPSHIRE

REGIONAL BEDROCK GEOLOGY

ARCADIS

FIGURE
3

CITY: NOVI DIV/GROUP: ENV DB: KW PIC: EC PM: DS TM: PJC
Project (Project #) MA000725



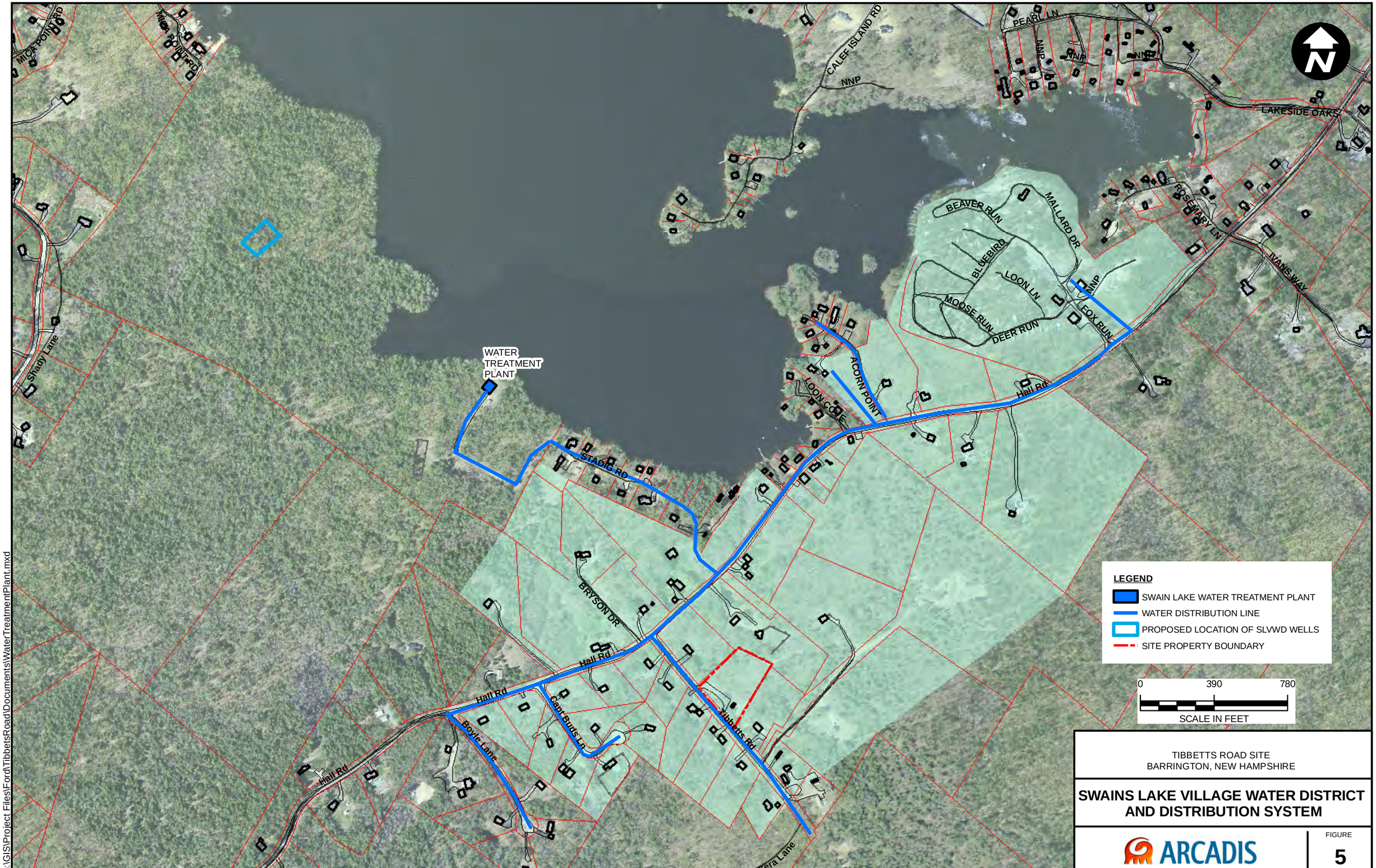
TIBBETTS ROAD SITE
BARRINGTON, NEW HAMPSHIRE

REGIONAL HYDROLOGY

ARCADIS

FIGURE
4

CITY: NOVI DIV/GROUP: ENV DB: KW PIC: EC PM: DS TM: PJC
Project (Project #) MA000725
G:\GIS\Project Files\FordTibbetsRoad\Documents\RegionalGroundwaterElevation.mxd



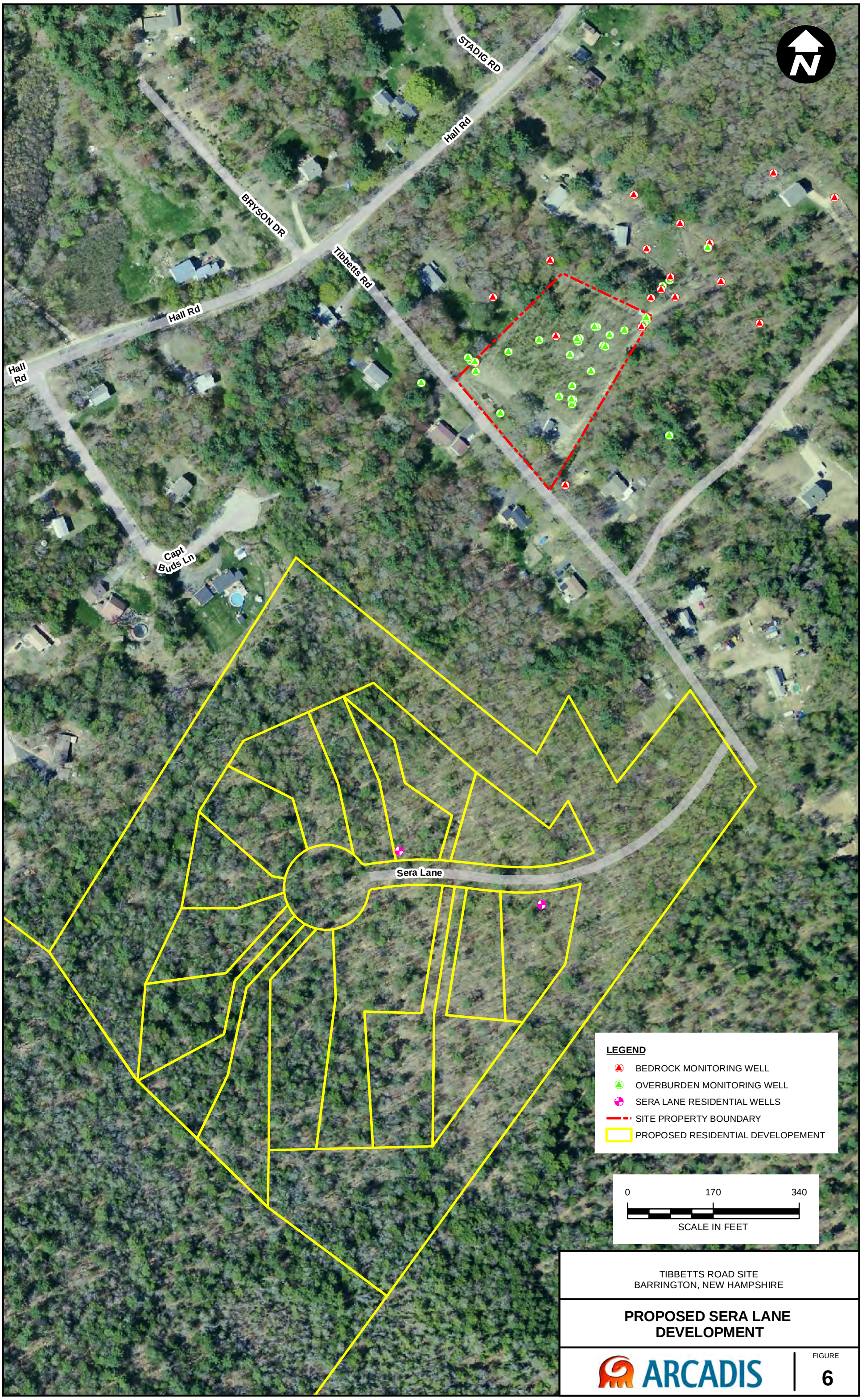
TIBBETTS ROAD SITE
BARRINGTON, NEW HAMPSHIRE

SWAINS LAKE VILLAGE WATER DISTRICT AND DISTRIBUTION SYSTEM

ARCADIS

FIGURE
5

CITY:NOVI DIV/GROUP:ENV DB: PIC: PM: TM: TR: PROJECT NUMBER:
G:\GIS\Project Files\Ford\TibbetsRoad\Documents\WaterTreatmentPlant.mxd



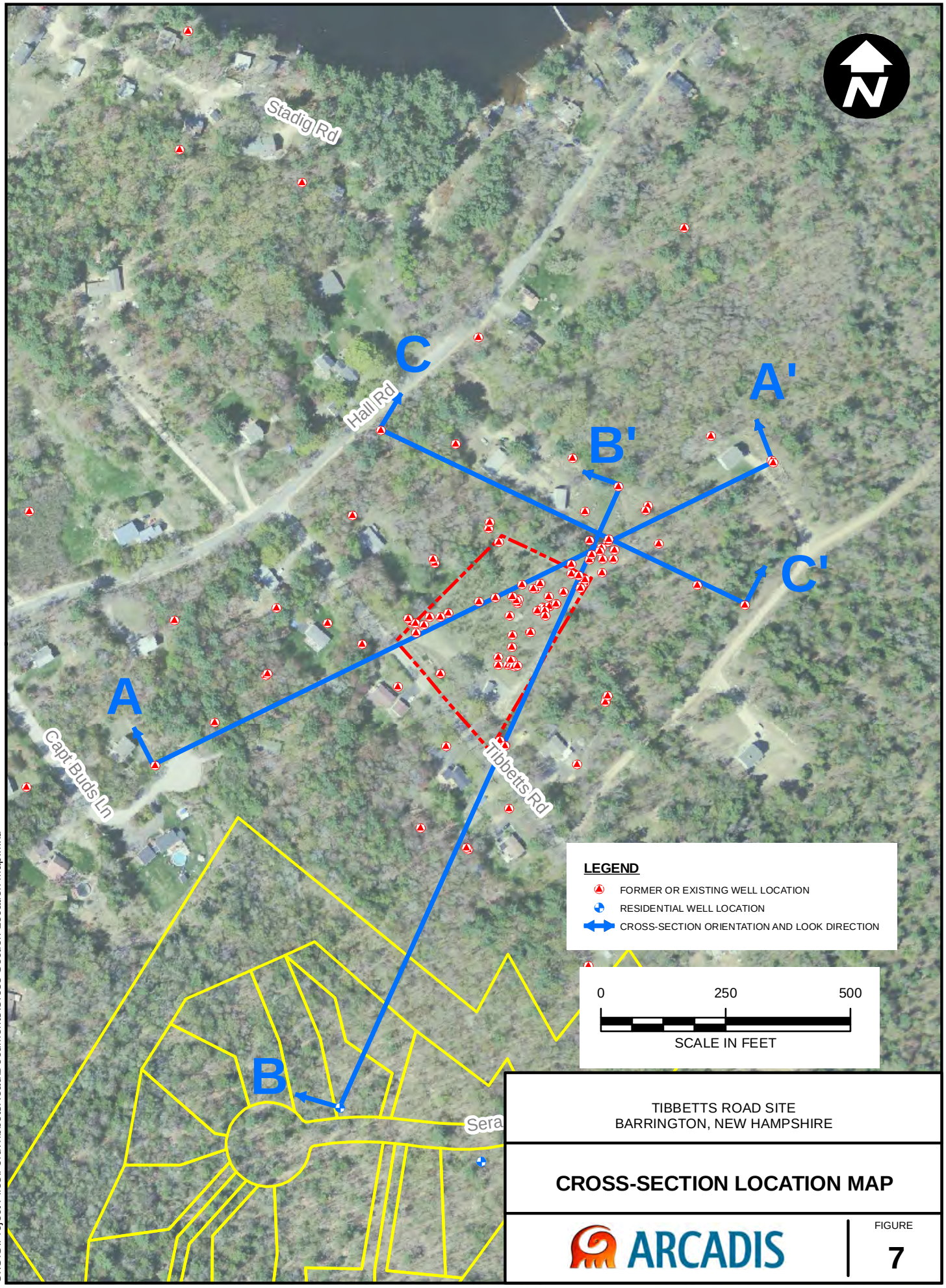
TIBBETTS ROAD SITE
BARRINGTON, NEW HAMPSHIRE

PROPOSED SERA LANE DEVELOPMENT

ARCADIS

FIGURE
6

CITY: NOVI DIV/GROUP: ENV DB: KW PIC: EC PM: DS TM: PJC
Project (Project #) MA000725
G:\GIS\Project Files\Ford\TibbetsRoad\Documents\SeraLaneDevelopement.mxd



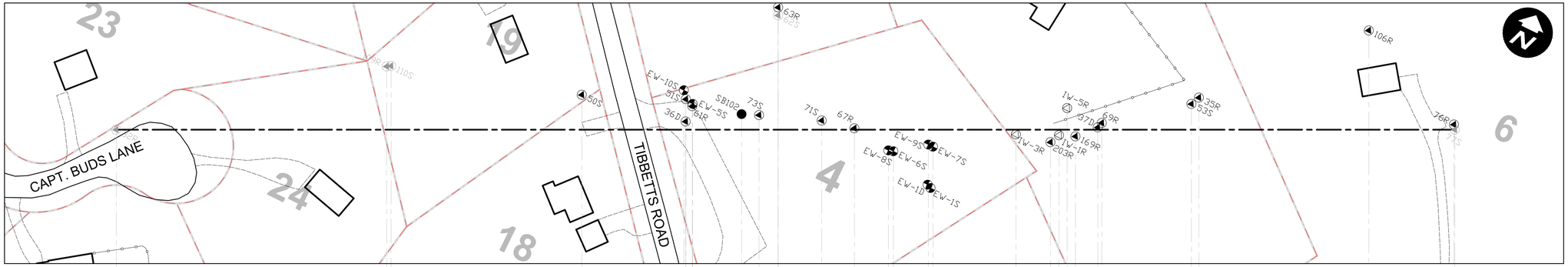
TIBBETTS ROAD SITE
BARRINGTON, NEW HAMPSHIRE

CROSS-SECTION LOCATION MAP

ARCADIS

FIGURE
7

CITY: NOVI DIV/GROUP: ENV DB: KW PIC: EC PM: DS TM: PJC
Project (Project #) MA000725
G:\GIS\Project Files\Ford\TibbetsRoad\Documents\Cross-Section Location Map.mxd

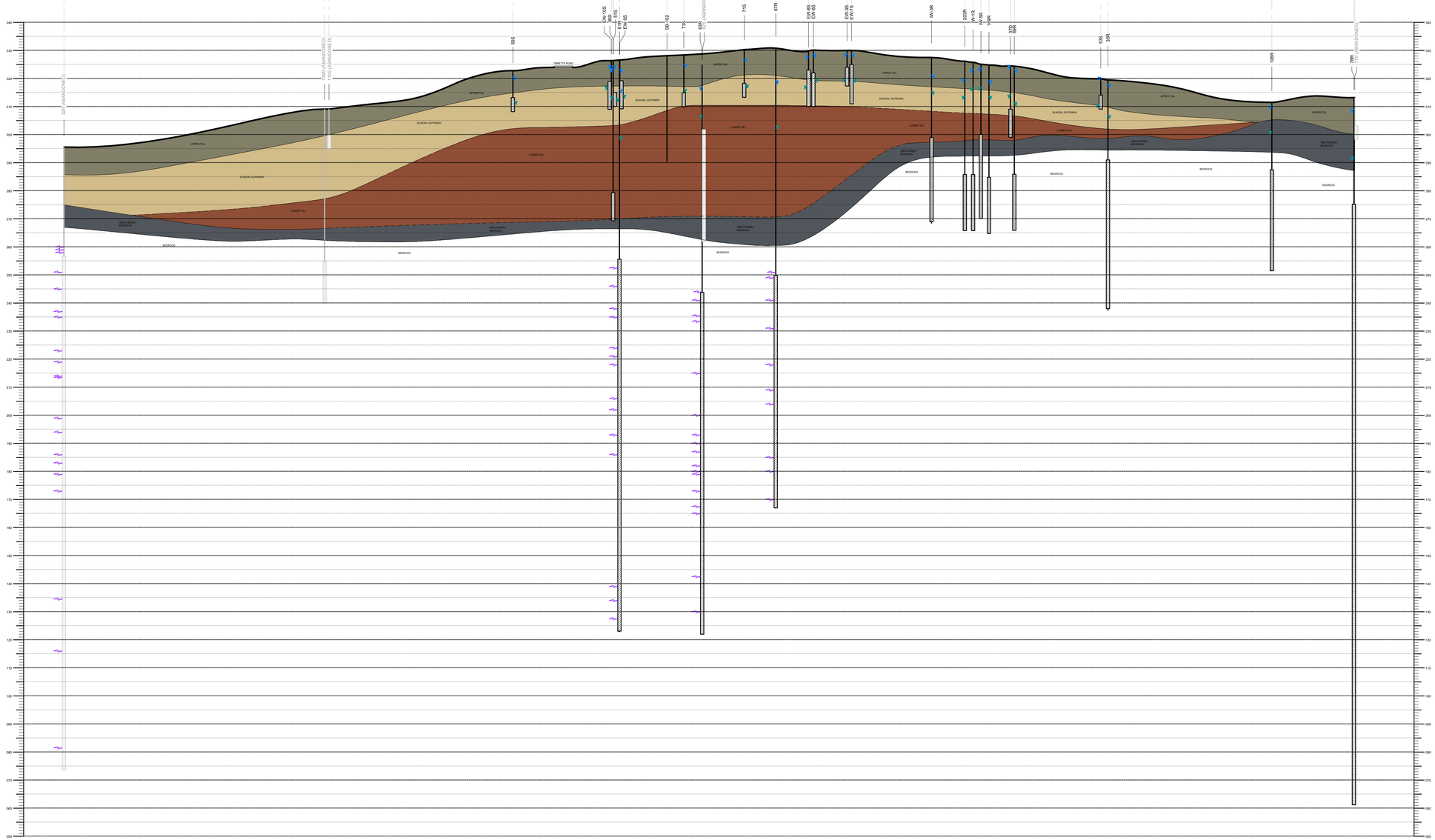


A

SOUTHWEST

A'

NORTHEAST



LEGEND

- SB102 SOIL BORING
- 69R MONITORING WELL
- IW-5R INJECTION WELL
- EW-8S EXTRACTION WELL
- FENCE LINE
- PARCEL BOUNDARY
- UPPER TILL
- LOWER TILL
- GLACIAL OUTWASH
- WEATHERED BEDROCK
- BEDROCK
- MAXIMUM GROUNDWATER ELEVATION
- SOIL BORING
- FRACTURE
- WELL SCREEN
- MINIMUM GROUNDWATER ELEVATION

HYDROSTRATIGRAPHIC UNITS

UPPER TILL: Glacial ablation till typically consisting of unsorted sand.

GLACIAL OUTWASH: These glacial outwash and melt water deposits described as stratified sands with little fines with minor lenses of gravel. Lenses of lacustrine-like sediments are found within this unit.

LOWER TILL: This unit consists of a very dense glacial "till" or other fine grained deposit typically described as silt and clay with a component of gravel and coarse sand. Often contains thin sand seams.

WEATHERED BEDROCK: The weathered rock consists of gravel to boulder size fragments within a dense, fine-grained matrix with identifiable minerals weathered from the bedrock. Redoximorphic features such as mottles and iron staining are identified within this unit.

BEDROCK: Berwick Formation - biotite-quartz-feldspar granofels or schist. Described as salt and pepper in appearance with identifiable minerals such as quartz, mica (muscovite and biotite), white feldspars, garnet, and amphibole. Pegmatite layers that are observed in both the boring logs and the downhole geophysical gamma logs

0 60 120

SCALE IN FEET
VERTICAL EXAGGERATION = 3X

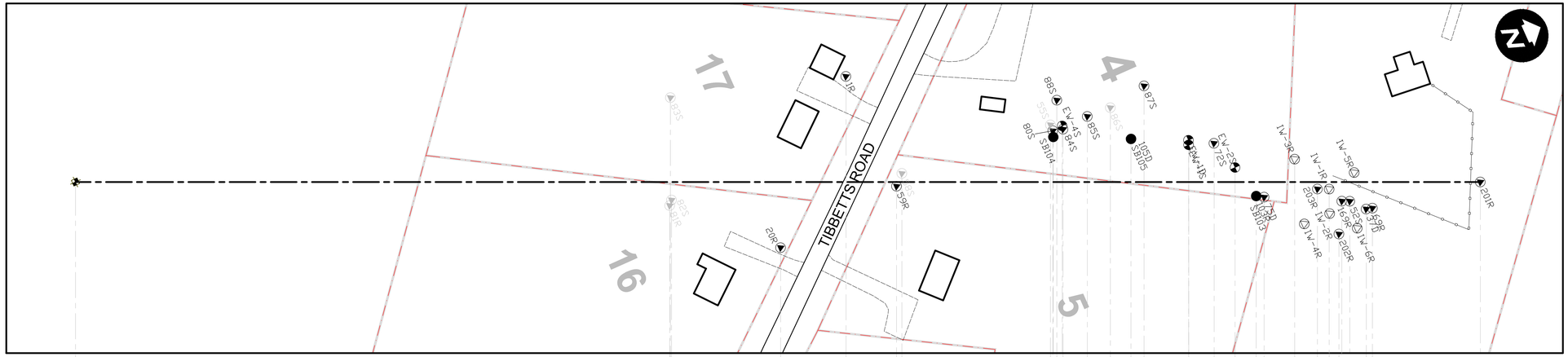
TIBBETTS ROAD SITE
BARRINGTON, NEW HAMPSHIRE

CROSS-SECTION A-A'

ARCADIS

FIGURE
8

CITNADA DIV/GROUP/ENV DB:A.BIRTH PIC: PM: TM: TR: PROJECT-NUMBER:
G:\Spotwood Fleet\pro\Barrington\CAD_Site\Cross-Section.dwg LAYOUT: SECTION A-A' SAVED: 11/17/2009 2:21AM ACADVER: 18.0S (LMS TECH) PAGESETUP: PLOTSTYLETABLE: ARCADIS.MOV.CTB PLOTTED: 11/23/2015 11:56 AM BY: BIRTH, ANTHONY

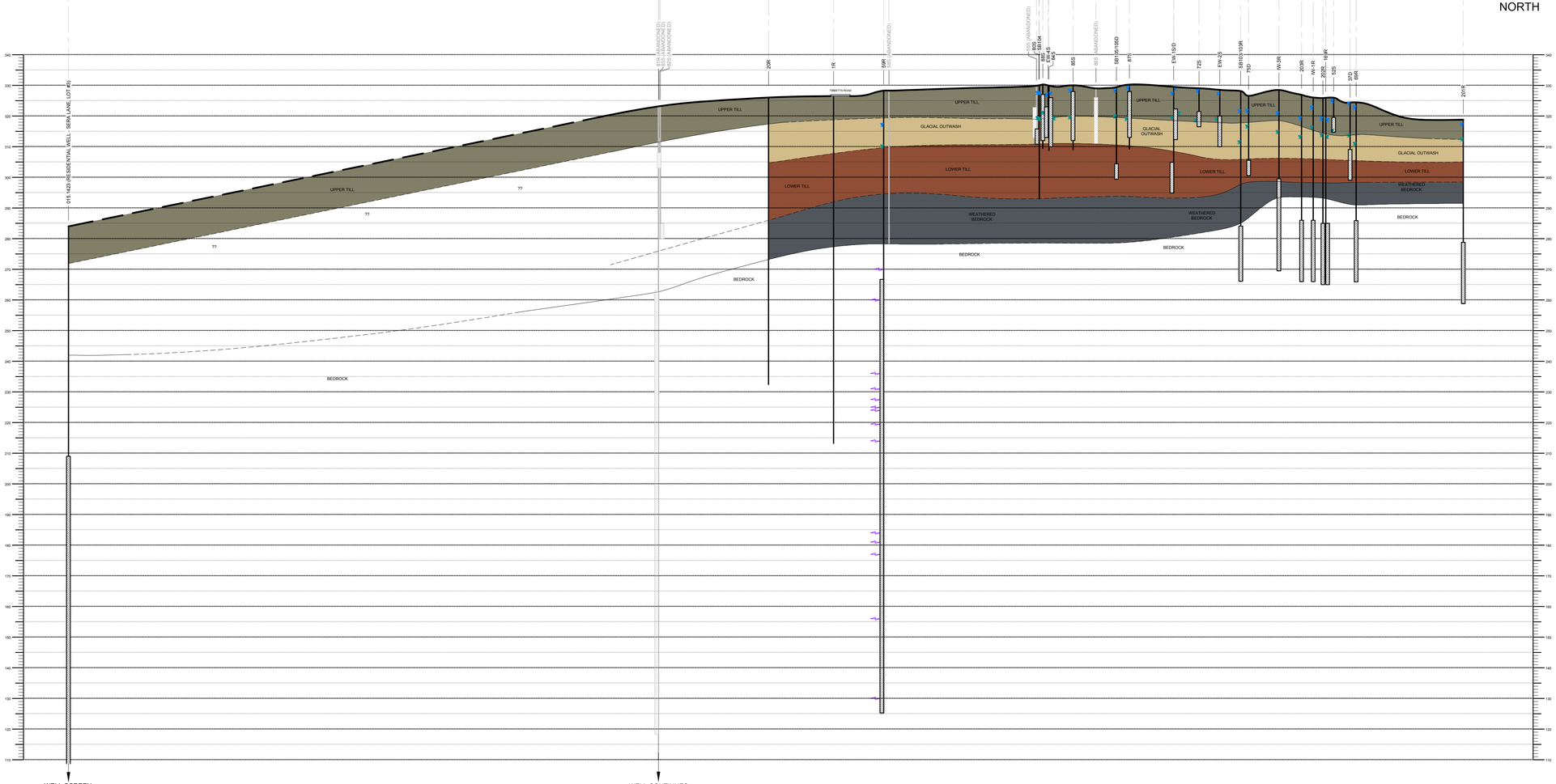


B

SOUTH

B'

NORTH



LEGEND

- SB103 — SOIL BORING
- 69R — MONITORING WELL
- 1W-5R — INJECTION WELL
- EW-8S — EXTRACTION WELL
- FENCE LINE
- PARCEL BOUNDARY
- UPPER TILL
- LOWER TILL
- GLACIAL OUTWASH
- WEATHERED BEDROCK
- BEDROCK
- MAXIMUM GROUNDWATER ELEVATION
- SOIL BORING
- FRACTURE
- WELL SCREEN
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0 60 120

SCALE IN FEET
VERTICAL EXAGGERATION = 3X

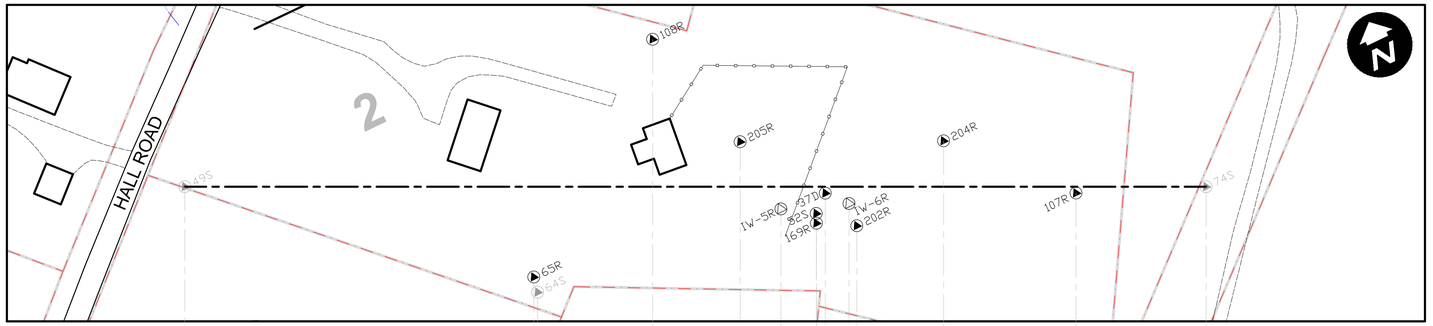
TIBBETTS ROAD SITE
BARRINGTON, NEW HAMPSHIRE

CROSS-SECTION B-B'

ARCADIS

FIGURE
9

CITY:NCOI DIV/GROUP:ENV DB:A.SMITH PIC: PM: TM: TR: PROJECT-NUMBER:
D:\Sharepoint Files\arcadis\ACI_Billerica\sections.dwg LAYOUT: SECTION-B-B' SAVED: 11/17/2008 9:21 AM ACADVER: 18.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ARCADIS.NOV.CTB PLOTTED: 5/28/2013 10:34 AM BY: SMITH, ANTHONY

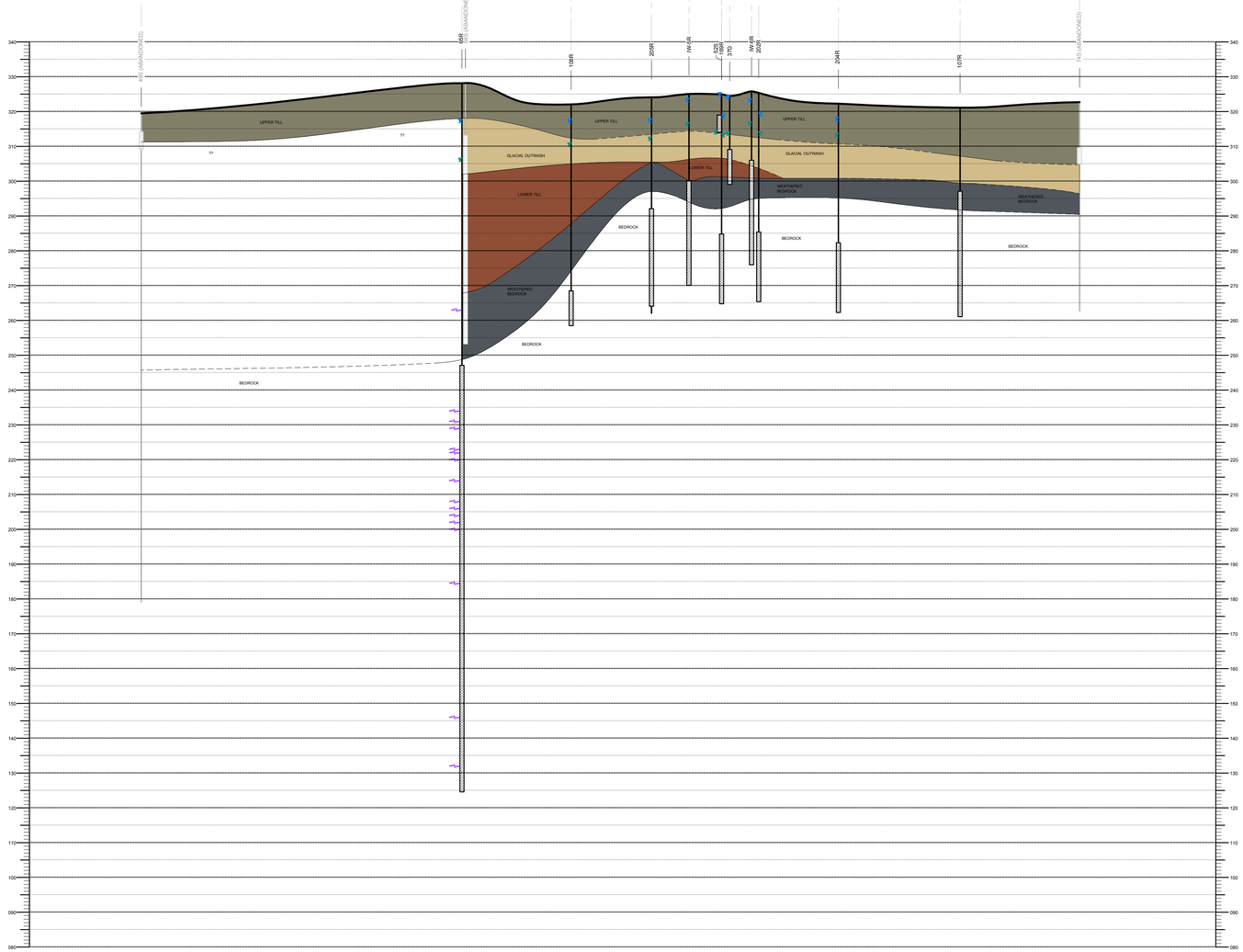


C

WEST

C'

EAST



LEGEND

- SB108 SOIL BORING
- 69R MONITORING WELL
- IW-5R INJECTION WELL
- EW-8S EXTRACTION WELL
- FENCE LINE
- PARCEL BOUNDARY
- UPPER TILL
- LOWER TILL
- GLACIAL OUTWASH
- WEATHERED BEDROCK
- BEDROCK
- MAXIMUM GROUNDWATER ELEVATION
- SOIL BORING
- FRACTURE
- WELL SCREEN
- MINIMUM GROUNDWATER ELEVATION

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0 60 120

SCALE IN FEET

VERTICAL EXAGGERATION = 3X

TIBBETTS ROAD SITE
BARRINGTON, NEW HAMPSHIRE

CROSS-SECTION C-C'

ARCADIS

FIGURE

10

CITY/NOV4 DIV/GROUP/ENV DB: A. SMITH PIC PM TM TR PROJECT NUMBER:
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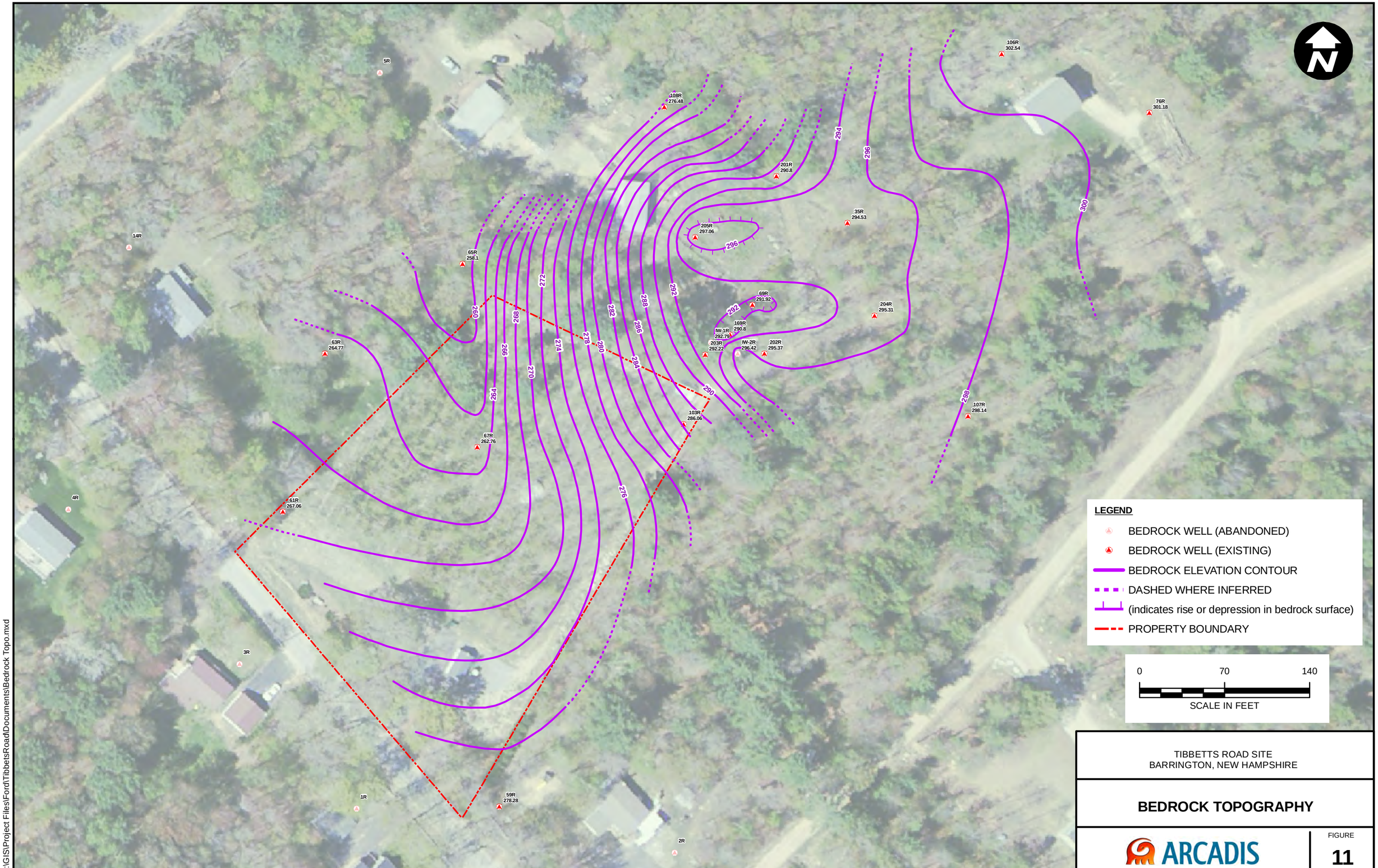


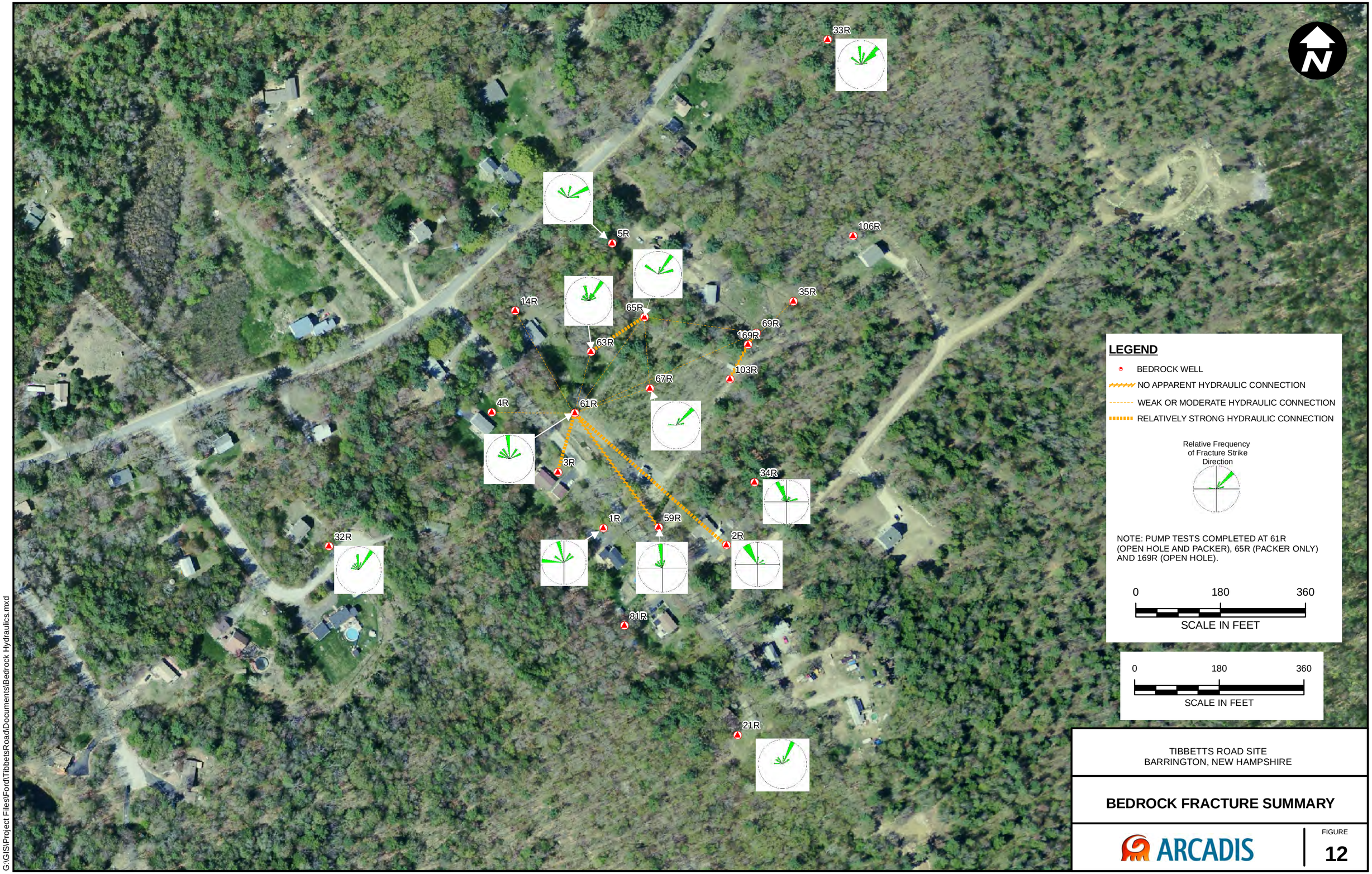
TIBBETTS ROAD SITE
BARRINGTON, NEW HAMPSHIRE

BEDROCK TOPOGRAPHY

ARCADIS

FIGURE
11

CITY: DIV/GROUP: DB: LD: PIC: PM: TM: TR:
Project (Project #)
G:\GIS\Project Files\Ford\TibbetsRoad\Documents\Bedrock Topo.mxd



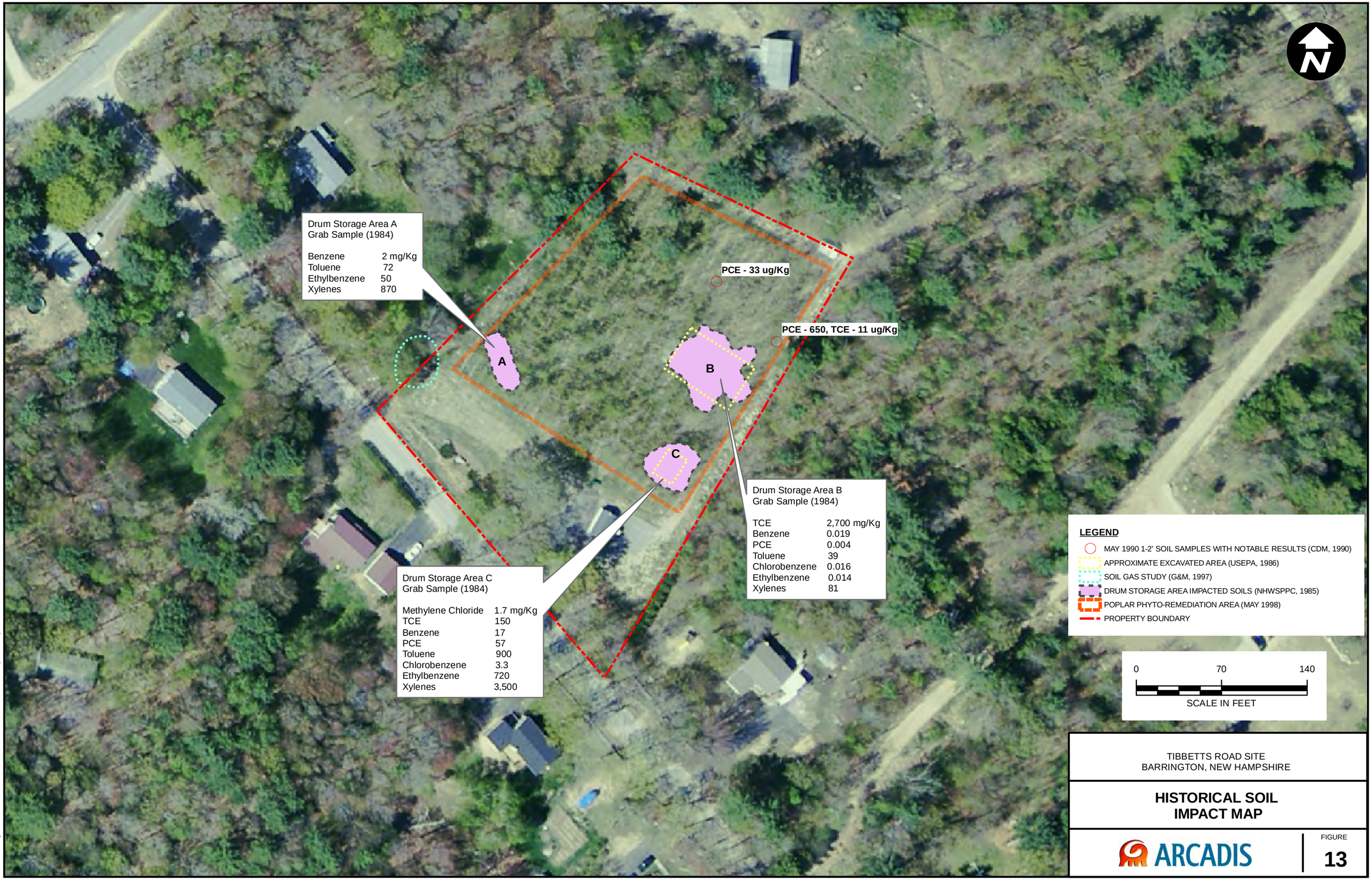
TIBBETTS ROAD SITE
BARRINGTON, NEW HAMPSHIRE

BEDROCK FRACTURE SUMMARY

ARCADIS

FIGURE
12

CITY: DIV/GROUP: DB: LD: PIC: PM: TM: TR:
Project (Project #)
G:\GIS\Project Files\Ford\TibbetsRoad\Documents\Bedrock Hydraulics.mxd



TIBBETTS ROAD SITE
BARRINGTON, NEW HAMPSHIRE

HISTORICAL SOIL IMPACT MAP

ARCADIS

FIGURE
13

CITY: NOVI DIV/GROUP: ENV DB: KW PIC: EC PM: DS TM: PJC
Project (Project #) MA000725
G:\GIS\Project Files\Ford\TibbetsRoad\Documents\Soil Impact Map.mxd

TIBBETTS ROAD SITE
BARRINGTON, NEW HAMPSHIRE

SHALLOW GROUNDWATER ELEVATION
NOVEMBER 17, 2008

ARCADIS

FIGURE
14

CITY: NOVI DIV/GROUP: ENV DB: KW PIC: EC PM: DS TM: PJC
Project (Project #) MA000725
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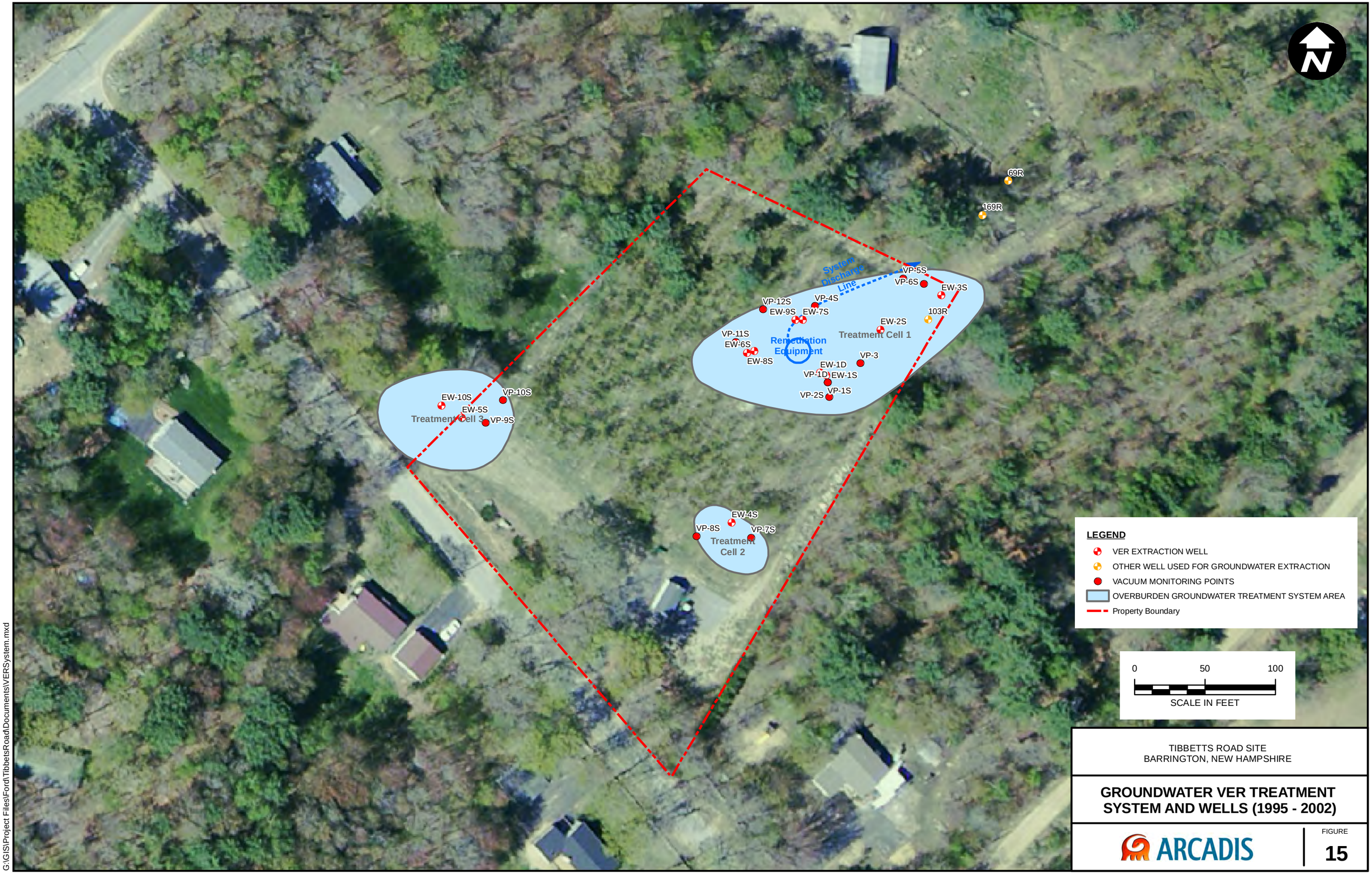


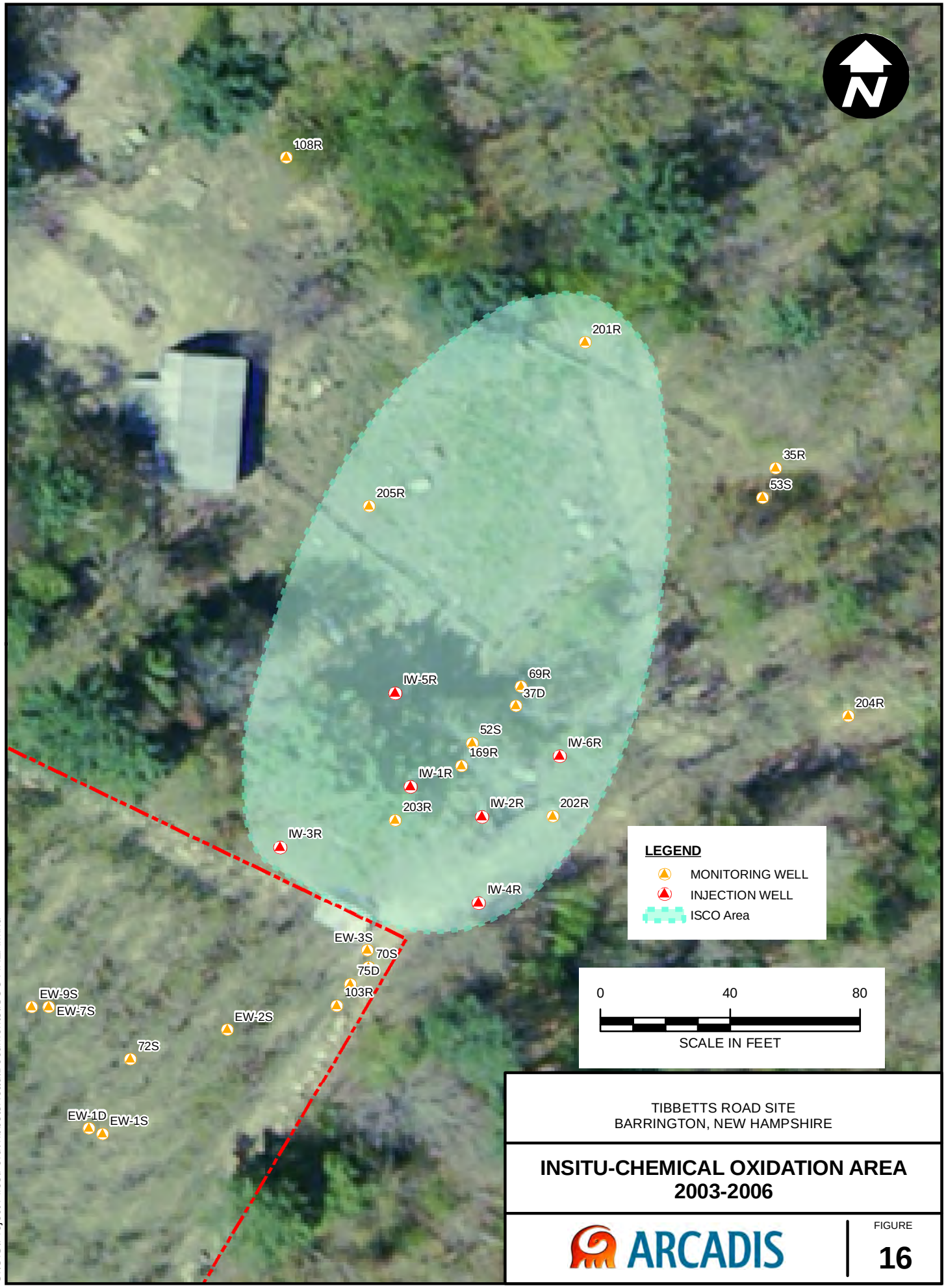
TIBBETTS ROAD SITE
BARRINGTON, NEW HAMPSHIRE

GROUNDWATER VER TREATMENT SYSTEM AND WELLS (1995 - 2002)

ARCADIS

FIGURE
15

CITY: NOVI DIV/GROUP: ENV DB: KW PIC: EC PM: DS TM: PJC
Project (Project #) MA000725
G:\GIS\Project Files\Ford\TibbetsRoad\Documents\VERSystem.mxd



TIBBETTS ROAD SITE
BARRINGTON, NEW HAMPSHIRE

INSITU-CHEMICAL OXIDATION AREA 2003-2006

ARCADIS

FIGURE
16

CITY: NOVI DIV/GROUP: ENV DB: KW PIC: EC PM: DS TM: PJC
Project (Project #) MA000725
G:\GIS\Project Files\Ford\TibbetsRoad\Documents\ISCO AREA.mxd

TIBBETTS ROAD SITE
BARRINGTON, NEW HAMPSHIRE

RESIDENTIAL WELLS HISTORICALLY IDENTIFIED AS IMPACTED

ARCADIS

FIGURE
17

CITY: DIV/GROUP: DB: LD: PIC: PM: TM: TR:
Project (Project #)
G:\GIS\Project Files\Ford\TibbetsRoad\Documents\Impacted RW.mxd

TIBBETTS ROAD SITE
BARRINGTON, NEW HAMPSHIRE

BENZENE CONCENTRATION
MAY 2008

ARCADIS

FIGURE
18

CITY: DIV/GROUP: DB: LD: PIC: PM: TM: TR:
Project (Project #)
G:\GIS\Project Files\Ford\TibbetsRoad\Documents\CHEM BLOBS\Benzene.mxd

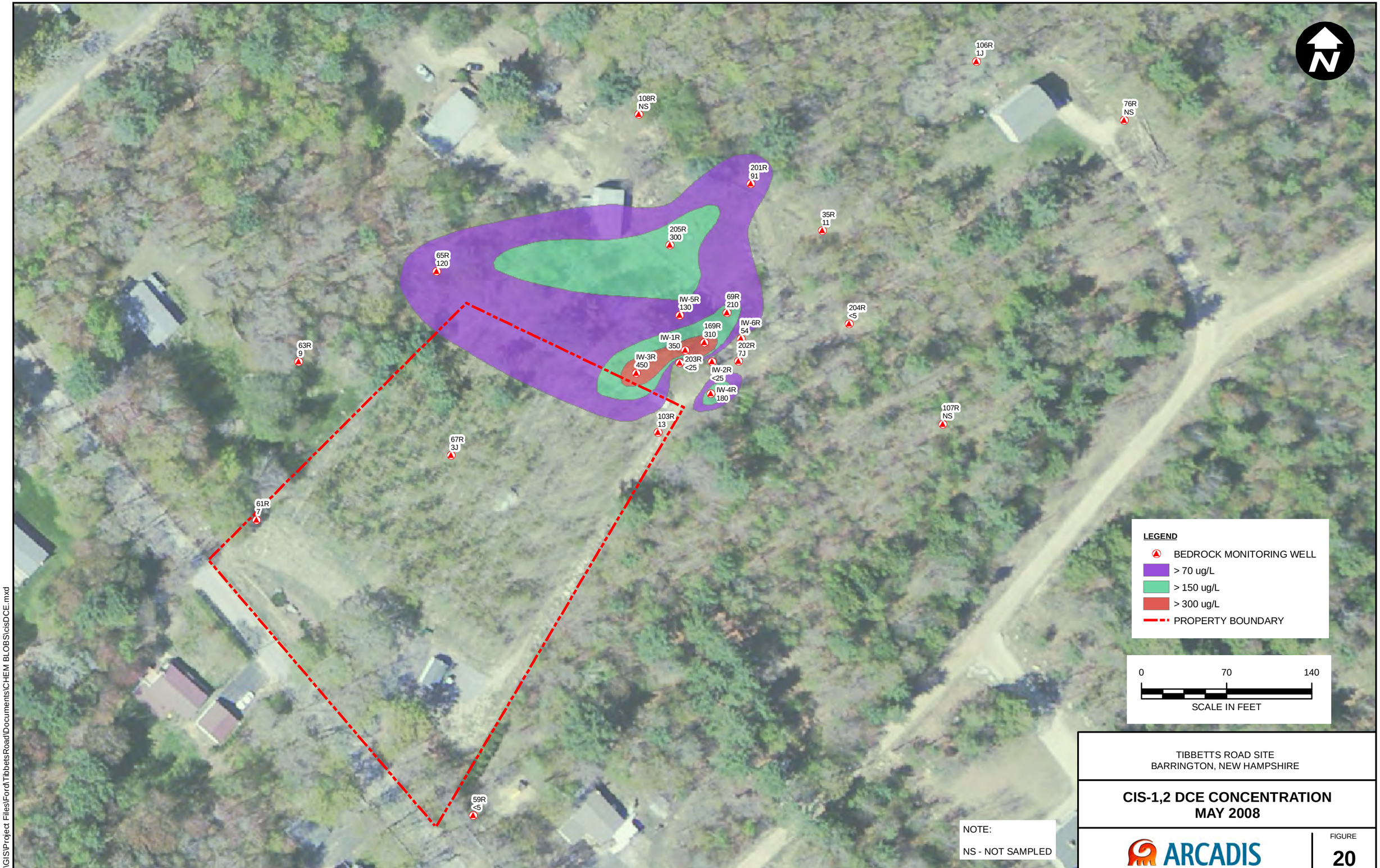
TIBBETTS ROAD SITE
BARRINGTON, NEW HAMPSHIRE

NORMALIZED TOTAL BTEX
MAY 2008

ARCADIS

FIGURE
19

CITY: DIV/GROUP: DB: LD: PIC: PM: TM: TR:
Project (Project #)
G:\GIS\Project Files\Ford\TibbetsRoad\Documents\CHEM BLOBS\BTEX.mxd



TIBBETTS ROAD SITE
BARRINGTON, NEW HAMPSHIRE

CIS-1,2 DCE CONCENTRATION
MAY 2008

ARCADIS

FIGURE
20

CITY: DIV/GROUP: DB: LD: PIC: PM: TM: TR:
Project (Project #)
G:\GIS\Project Files\Ford\TibbetsRoad\Documents\CHEM BLOBS\cisDCE.mxd

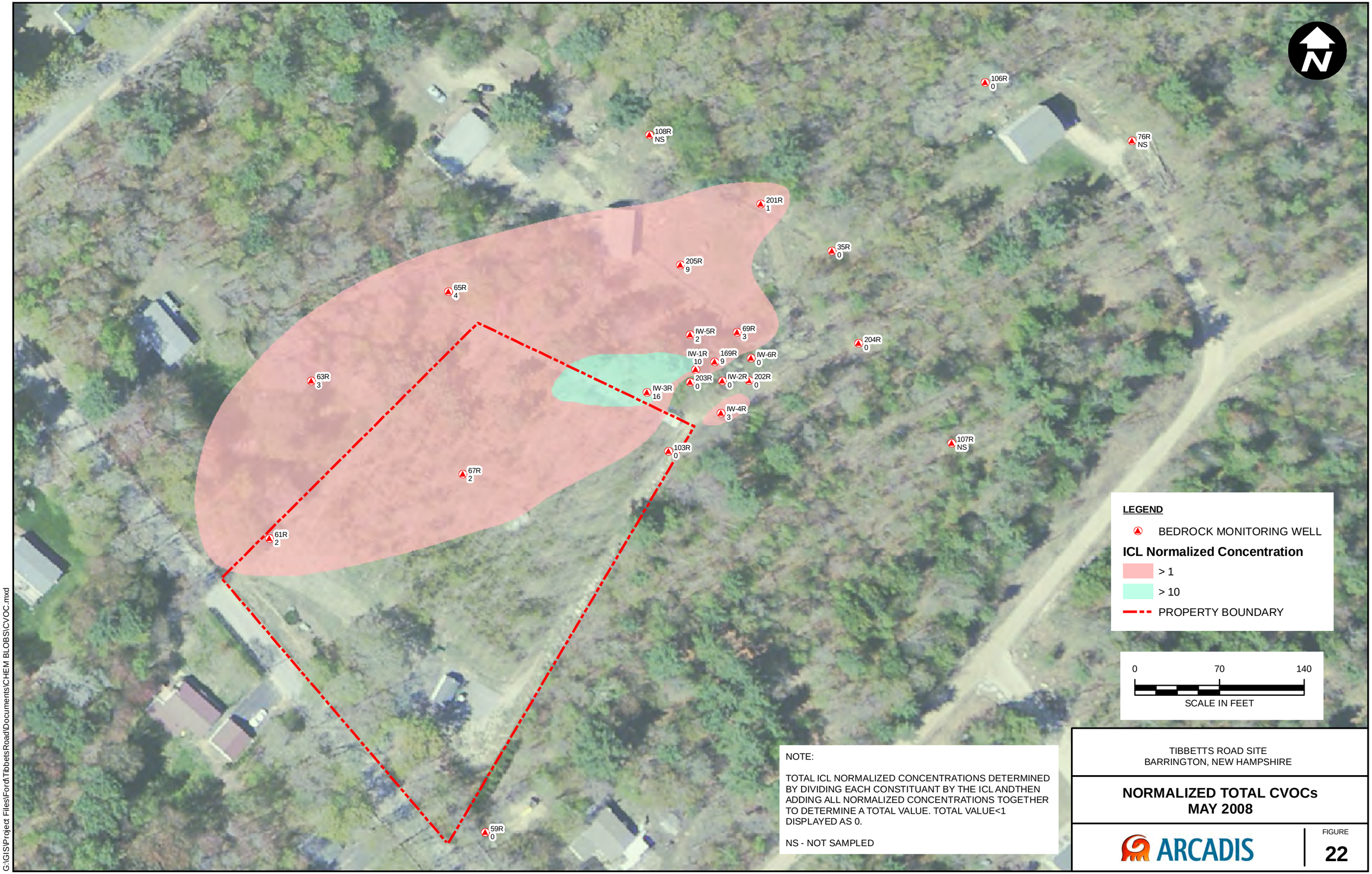
TIBBETTS ROAD SITE
BARRINGTON, NEW HAMPSHIRE

TCE CONCENTRATION
MAY 2008

ARCADIS

FIGURE
21

CITY: DIV/GROUP: DB: LD: PIC: PM: TM: TR:
Project (Project #)
G:\GIS\Project Files\Ford\TibbetsRoad\Documents\CHEM BLOBS\TCE.mxd



NOTE:

TOTAL ICL NORMALIZED CONCENTRATIONS DETERMINED BY DIVIDING EACH CONSTITUANT BY THE ICL ANDTHEN ADDING ALL NORMALIZED CONCENTRATIONS TOGETHER TO DETERMINE A TOTAL VALUE. TOTAL VALUE<1 DISPLAYED AS 0.

NS - NOT SAMPLED

TIBBETTS ROAD SITE
BARRINGTON, NEW HAMPSHIRE

NORMALIZED TOTAL CVOCs
MAY 2008

ARCADIS

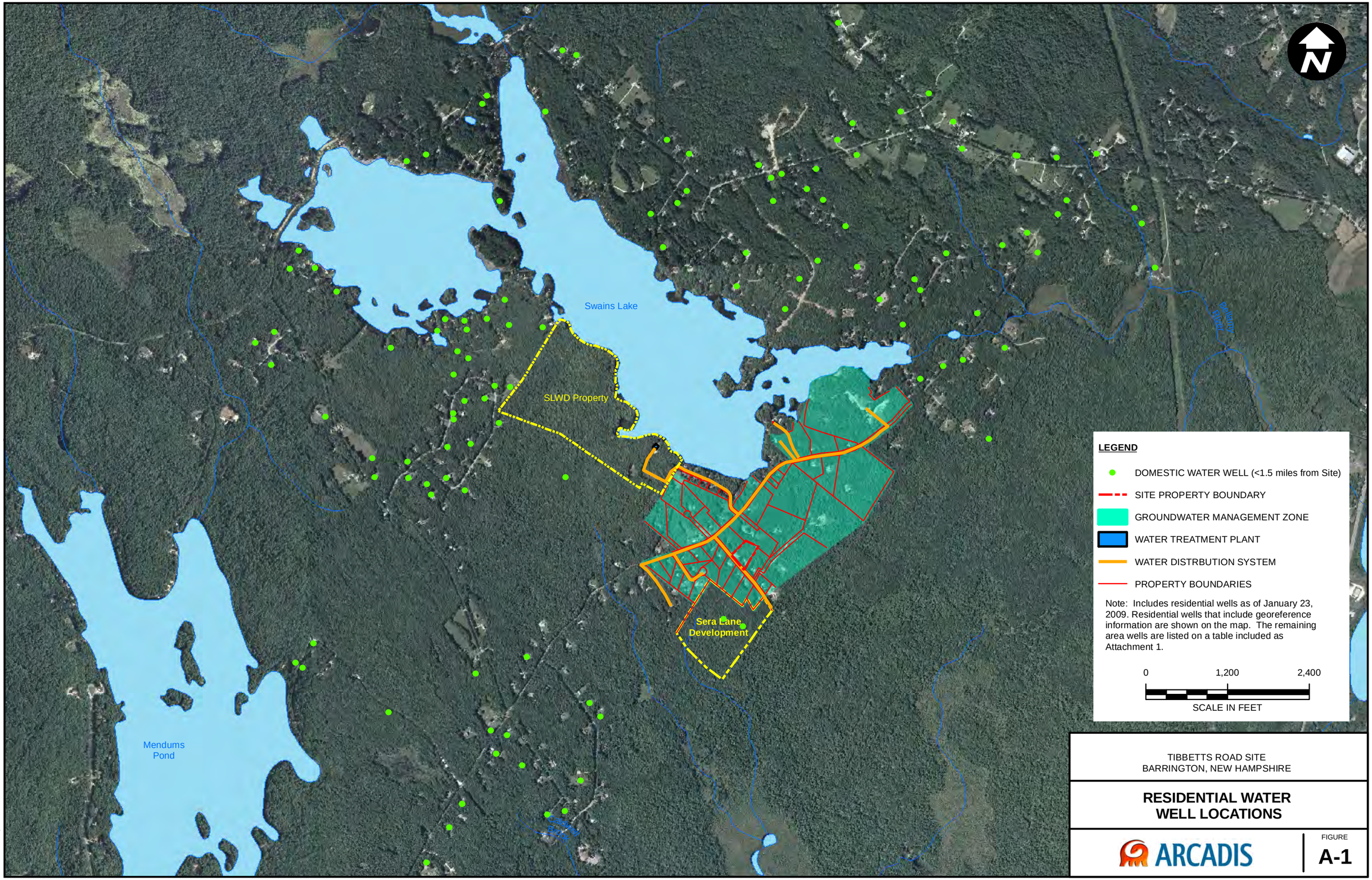
FIGURE
22

CITY: DIV/GROUP: DB: LD: PIC: PM: TM: TR:
Project (Project #)
G:\GIS\Project Files\FordTibbetsRoad\Documents\CHEM BLOBS\CVOC.mxd

ARCADIS

Appendix A

Summary of Water Wells Within 1.5 Miles of Site



TIBBETTS ROAD SITE
BARRINGTON, NEW HAMPSHIRE

RESIDENTIAL WATER WELL LOCATIONS

ARCADIS

FIGURE
A-1

CITY: NOVI DIV/GROUP: ENV DB: KW PIC: EC PM: DS TM: PJC
Project (Project #) MA000725
G:\GIS\Project Files\Ford\TibbetsRoad\Documents\DomesticWaterWells.mxd

N.H. GEOLOGICAL SURVEY WATER WELL DATA SUMMARY

LICENSE NUMBER	WELL NUMBER	WRB#	FIRST NAME	LAST NAME	ST#	ROAD	ROAD2	TOWN	MAP	PARCEL OR SUBDIVISION LOT	Well Completion Date	USE	REASON	TYPE	Total Depth	Depth to Bedrock	Casing Length	YTM	YTD	YIELD GPM	Static Water Level	DATE MEASURED	WATER QUALITY TEST	OVER BURDEN	Note	GROUTED	Hydro-Fracture	HF YIELD BEFOR
406	$NULL	015.1294	C.	WATSON	31	BAXTER LAKE	$NULL	BARRINGTON	$NULL	$NULL	30-SEP-2006	1	1	1	220	61	80	3	1	5	7	02-OCT-2006	$NULL	2	YL	$NULL	$NULL	$NULL
1422	$NULL	015.0982	T.	POLANSKI	$NULL	BAXTER LN EXT	$NULL	BARRINGTON	$NULL	$NULL	02-AUG-1999	1	1	1	380	40	50	3	.5	30	4	03-AUG-1999	$NULL	1	$NULL	$NULL	$NULL	$NULL
253	06082	015.1287	$NULL	DIAMOND POINT BUILDERS	175	BEAUTY HILL RD	$NULL	BARRINGTON	$NULL	$NULL	11-JUL-2006	1	1	1	205	38	63	3	1	20	21	11-JUL-2006	$NULL	3	$NULL	$NULL	$NULL	$NULL
253	06122	015.1307	$NULL	DIMOND POINT BUILDERS	177	BEAUTY HILL RD	$NULL	BARRINGTON	$NULL	$NULL	20-SEP-2006	1	1	1	605	46	120	3	1	2	42	20-SEP-2006	$NULL	3	HF	$NULL	Y	.25
3	20	015.0008	$NULL	SAULNIER	$NULL	BEAUTY HILL RD	$NULL	BARRINGTON	11	1	08-MAY-1984	1	1	1	425	30	61	3	1	4	0	08-MAY-1984	$NULL	1-3	YL	$NULL	$NULL	$NULL
204	231	015.0011	D.	COLE	$NULL	BEAUTY HILL RD	$NULL	BARRINGTON	11	29-1	29-MAY-1984	1	1	1	145	20	30	3	.25	5	3	29-MAY-1984	$NULL	3	$NULL	$NULL	$NULL	$NULL
406	611	015.0119	E.	HEATH	$NULL	BEAUTY HILL RD	$NULL	BARRINGTON	11	61-1B	20-OCT-1986	1	1	1	304	21	28	3	1	4	$NULL	01-JAN-0000	$NULL	1	$NULL	$NULL	$NULL	$NULL
406	1112	015.0218	D.	COOK	$NULL	BEAUTY HILL RD	$NULL	BARRINGTON	$NULL	$NULL	15-MAR-1988	1	1	1	562	68	80	3	1	4	$NULL	01-JAN-0000	$NULL	134	$NULL	$NULL	$NULL	$NULL
406	1918	015.0295	$NULL	SEACOAST MODULAR	$NULL	BEAUTY HILL RD	$NULL	BARRINGTON	$NULL	$NULL	09-JAN-1989	1	1	1	502	12	20	3	$NULL	.5	$NULL	01-JAN-0000	$NULL	3	$NULL	$NULL	$NULL	$NULL
204	1405	015.0354	J.	CALEF	$NULL	BEAUTY HILL RD	$NULL	BARRINGTON	$NULL	$NULL	27-DEC-1990	1	1	1	280	104	120	3	.5	20	50	28-DEC-1990	$NULL	2	$NULL	$NULL	$NULL	$NULL
3	01593	015.0409	J.	BODGE	$NULL	BEAUTY HILL RD	$NULL	BARRINGTON	$NULL	$NULL	01-MAY-1992	1	1	1	204	30	81	3	1	12	$NULL	01-JAN-0000	Y	3-6	:OB(6)=WEATHERED BEDROCK 30	$NULL	$NULL	$NULL
3	01672	015.0423	J.	BUNDZA	158	BEAUTY HILL RD	$NULL	BARRINGTON	249	6	27-OCT-1992	1	1	1	303	37	51	3	1	6	$NULL	01-JAN-0000	Y	3-4	$NULL	$NULL	$NULL	$NULL
141	875	015.0467	$NULL	COUNTRY HOMES NEW ENGL	$NULL	BEAUTY HILL RD	$NULL	BARRINGTON	$NULL	$NULL	04-OCT-1993	1	1	1	305	6	17	3	1	6	25	04-OCT-1993	$NULL	1	$NULL	$NULL	$NULL	$NULL
1659	$NULL	015.0469	J.	BEAL	136	BEAUTY HILL RD	$NULL	BARRINGTON	249	10	15-NOV-1993	1	2	1	70	9	20	1	.75	15	.33	16-NOV-1993	$NULL	3	$NULL	$NULL	$NULL	$NULL
1236	$NULL	015.0556	B.	HOLT	OFF	BEAUTY HILL RD	$NULL	BARRINGTON	$NULL	$NULL	21-AUG-1995	1	$NULL	1	360	32	40	3	1	1.5	$NULL	01-JAN-0000	$NULL	12	YL	$NULL	$NULL	$NULL
177	836	015.0579	R	NIENHOUSE	129	BEAUTY HILL RD	$NULL	BARRINGTON	249	37	10-JUL-1995	1	1	1	560	46	61	3	.5	2.5	$NULL	01-JAN-0000	Y	14	$NULL	$NULL	$NULL	$NULL
177	836	015.0589	R	NIENHOUSE	129	BEAUTY HILL RD	$NULL	BARRINGTON	$NULL	LOT 133	10-JUL-1995	1	1	1	560	46	61	3	.5	2.5	$NULL	01-JAN-0000	$NULL	14	$NULL	$NULL	$NULL	$NULL
406	$NULL	015.0714	$NULL	FERRANTE CONSTRUCTION	$NULL	BEAUTY HILL RD	$NULL	BARRINGTON	51	2-3	14-DEC-1998	1	1	1	500	17	40	2	2	2.25	11	20-DEC-1998	$NULL	3	YL	$NULL	$NULL	$NULL
225	99235	015.0728	$NULL	FERRANTE CONSTRUCTION	$NULL	BEAUTY HILL RD	$NULL	BARRINGTON	$NULL	$NULL	01-SEP-1999	1	1	1	400	34	51	3	1	.25	$NULL	01-JAN-0000	$NULL	12-4	YL	$NULL	$NULL	$NULL
225	99284	015.0740	D.	COOK	$NULL	BEAUTY HILL RD	$NULL	BARRINGTON	249	30	05-OCT-1999	1	1	1	400	66	80	3	1	.63	$NULL	01-JAN-0000	$NULL	3-4	YL	$NULL	$NULL	$NULL
1498	$NULL	015.0761	$NULL	GBF HOMES	$NULL	BEAUTY HILL RD	$NULL	BARRINGTON	1157	93	19-NOV-1999	1	1	1	550	5	20	$NULL	$NULL	$NULL	14	20-NOV-1999	$NULL	12	$NULL	$NULL	$NULL	$NULL
1498	$NULL	015.0762	$NULL	GBF HOMES	$NULL	BEAUTY HILL RD	$NULL	BARRINGTON	1157	91	22-NOV-1999	1	$NULL	1	305	8	20	3	.5	40	17	23-NOV-1999	$NULL	12	$NULL	$NULL	$NULL	$NULL
1	4510	015.0795	$NULL	GBS DEVELOPMENT	$NULL	BEAUTY HILL RD	$NULL	BARRINGTON	$NULL	LOT# 3	21-MAR-2000	1	1	1	500	10	41	3	1	20	20	01-JAN-0000	$NULL	12	$NULL	$NULL	$NULL	$NULL
644	$NULL	015.0801	C.	BASIL	10	BEAUTY HILL RD	$NULL	BARRINGTON	114	11	16-AUG-2000	1	2	1	145	8	40	3	$NULL	30	$NULL	01-JAN-0000	$NULL	2	YL	Y	N	$NULL
253	02016	015.0874	P.	STOLZENBURG	$NULL	BEAUTY HILL RD	$NULL	BARRINGTON	250	35	18-JAN-2002	1	2	1	845	15	42	3	1	3.88	45	18-JAN-2002	$NULL	3	$NULL	$NULL	Y	.05
253	02022	015.0876	M.	KOLOSKI	$NULL	BEAUTY HILL RD	$NULL	BARRINGTON	$NULL	248	25-JAN-2002	1	2	1	505	25	42	3	1	9	56	25-JAN-2002	$NULL	3	$NULL	$NULL	Y	.05
1236	$NULL	015.0888	B.	HIPPENSTEEL	$NULL	BEAUTY HILL RD	$NULL	BARRINGTON	249	7	08-NOV-2001	1	1	1	340	38	60	3	.5	12	$NULL	01-JAN-0000	$NULL	24	YL	$NULL	$NULL	$NULL
1236	$NULL	015.0893	D.	MARIOTY	$NULL	BEAUTY HILL RD	$NULL	BARRINGTON	250	39	11-OCT-2001	1	1	1	500	22	40	3	1	1	15	16-NOV-2001	Y	3	YL	$NULL	$NULL	$NULL
253	01218	015.0906	P.	STOLZENBURG	$NULL	BEAUTY HILL RD	$NULL	BARRINGTON	250	35	03-DEC-2001	1	2	1	505	28	53	3	1	.25	200	03-DEC-2001	$NULL	3	$NULL	$NULL	Y	.25
1236	$NULL	015.0917	D.	MORIOTY	$NULL	BEAUTY HILL RD	$NULL	BARRINGTON	$NULL	$NULL	11-OCT-2001	1	1	1	500	22	40	3	1	1	15	16-NOV-2001	Y	3	YL	$NULL	$NULL	$NULL
406	$NULL	015.0922	J.	MACTUER	$NULL	BEAUTY HILL RD	$NULL	BARRINGTON	249	1	27-NOV-2001	1	1	1	210	9	40	3	.5	35	11	27-NOV-2001	$NULL	3	YL	$NULL	$NULL	$NULL
1422	$NULL	015.0986	$NULL	D & D CONSTR	$NULL	BEAUTY HILL RD	$NULL	BARRINGTON	$NULL	$NULL	13-FEB-2002	1	1	1	400	32	40	3	.5	3	16	04-MAR-2002	$NULL	3	$NULL	$NULL	$NULL	$NULL
1236	$NULL	015.1011	J	LESSARD	167	BEAUTY HILL RD	$NULL	BARRINGTON	249	41	05-NOV-1999	1	1	1	240	47	60	3	1	10	$NULL	01-JAN-0000	$NULL	34	YL	$NULL	$NULL	$NULL
1236	$NULL	015.1021	H	HARDY	237	BEAUTY HILL RD	$NULL	BARRINGTON	113	9	21-SEP-2001	1	1	1	340	42	60	3	1	2	$NULL	01-JAN-0000	$NULL	23	YL	$NULL	$NULL	$NULL
406	$NULL	015.1071	R	UNDERWOOD	179	BEAUTY HILL RD	$NULL	BARRINGTON	249	42	12-OCT-2002	1	1	1	320	4	20	3	.5	5	6	12-OCT-2002	$NULL	3	YL	$NULL	$NULL	$NULL
253	03174	015.1080	$NULL	TONY FRANCIOSA	$NULL	BEAUTY HILL RD	$NULL	BARRINGTON	$NULL	LOT 4	20-AUG-2003	1	1	1	220	15	42	3	1	13	15	20-AUG-2003	$NULL	2	$NULL	$NULL	$NULL	$NULL
253	03172	015.1081	$NULL	TONY FRANCIOSA	$NULL	BEAUTY HILL RD	$NULL	BARRINGTON	$NULL	LOT 2	19-AUG-2003	1	1	1	340	20	60	3	1	40	20	19-AUG-2003	$NULL	2	$NULL	$NULL	$NULL	$NULL
253	03161	015.1082	$NULL	TONY FRANCIOSA	$NULL	BEAUTY HILL RD	$NULL	BARRINGTON	$NULL	LOT 7	08-AUG-2003	1	1	1	185	10	42	3	1	15	20	08-AUG-2003	$NULL	23	$NULL	$NULL	$NULL	$NULL
406	$NULL	015.1088	L.	RICHARD	185	BEAUTY HILL RD	$NULL	BARRINGTON	249	45	17-OCT-2003	1	1	1	220	26	60	3	.5	6	11	18-NOV-2003	$NULL	3	$NULL	$NULL	$NULL	$NULL
253	03241	015.1097	$NULL	TONY FRANCIOSA	$NULL	BEAUTY HILL RD	$NULL	BARRINGTON	$NULL	4	30-OCT-2003	1	1	1	225	48	63	3	1	30	30	30-OCT-2003	$NULL	4	$NULL	$NULL	$NULL	$NULL
1422	$NULL	015.1113	$NULL	D&D HOMES	$NULL	BEAUTY HILL RD	$NULL	BARRINGTON	$NULL	$NULL	13-NOV-2004	1	1	1	400	3	35	3	1	3	$NULL	01-JAN-0000	$NULL	$NULL	$NULL	$NULL	$NULL	$NULL
1236	$NULL	015.1168	J.	LEPAGE	$NULL	BEAUTY HILL RD	$NULL	BARRINGTON	11	1A	08-OCT-2004	1	1	1	500	15	40	3	1	9	$NULL	01-JAN-0000	$NULL	12	HF	$NULL	Y	.5
1	1-8819	015.1231	$NULL	SA BROWN BUILDER LLC	$NULL	BEAUTY HILL RD	$NULL	BARRINGTON	$NULL	2	11-AUG-2005	1	1	1	620	35	64	3	.5	4	$NULL	01-JAN-0000	$NULL	4	HF	$NULL	Y	.1
1236	$NULL	015.1263	B.	OCONNOR	79	BEAUTY HILL RD	$NULL	BARRINGTON	$NULL	$NULL	02-MAR-2006	1	1	1	340	10	30	3	.5	15	$NULL	01-JAN-0000	$NULL	12	YL	$NULL	$NULL	$NULL
1236	$NULL	015.1301	T.	FRENCH	250	BEAUTY HILL RD	$NULL	BARRINGTON	$NULL	$NULL	30-AUG-2006	1	2	1	400	76	100	3	.5	20	$NULL	01-JAN-0000	$NULL	3	YL	$NULL	$NULL	$NULL
644	$NULL	015.1358	P.	BIBEAU	35	BEAUTY HILL RD	$NULL	BARRINGTON	250	5-1	30-MAY-2007	1	1	1	405	32	60	3	.75	1	$NULL	01-JAN-0000	$NULL	3	$NULL	$NULL	$NULL	$NULL
238	2	015.0243	A.	RICE	7	BIRCH LN	$NULL	BARRINGTON	111	23	08-JUL-1988	1	2	1	300	20	30	3	.17	1	$NULL	01-JAN-0000	$NULL	4	$NULL	$NULL	$NULL	$NULL
243	125	015.0539	T.	HARTON	7	BIRCH LN	$NULL	BARRINGTON	117	4	03-NOV-1995	1	2	1	205	15	36	$NULL	3	6	2	03-NOV-1995	$NULL	3	YL	$NULL	$NULL	$NULL
644	$NULL	015.1163	S., & M.	SHEPARD	27	BIRCH LN	$NULL	BARRINGTON	117	12	12-OCT-2004	1	1	1	185	6	50	3	.75	6	$NULL	01-JAN-0000	$NULL	3	YL	$NULL	$NULL	$NULL
238	138	015.0114	J.	CANNON	20	BIRCH LN NORTH	$NULL	BARRINGTON	5	124	27-MAY-1986	1	2	1	160	22	30	3	.25	10	0	27-MAY-1986	$NULL	23	$NULL	$NULL	$NULL	$NULL
541	46	015.0027	$NULL	CARLSON	7	BIRCH LN SOUTH	$NULL	BARRINGTON	7	156	19-SEP-1984	1	2	1	105	5	21	1	$NULL	8	$NULL	01-JAN-0000	$NULL	1	$NULL	$NULL	$NULL	$NULL
1422	$NULL	015.1115	M.	LYCZAK	12	CALEF ISLAND RD	$NULL	BARRINGTON	11	18	01-JAN-0000	1	1	1	$NULL	2	20	3	.5	.5	$NULL	01-JAN-0000	$NULL	$NULL	CM:YTQ WELL TO BE FRACKED	$NULL	$NULL	$NULL
1422	$NULL	015.1156	$NULL	IMAGES	$NULL	CALEF ISLAND RD	$NULL	BARRINGTON	$NULL	$NULL	15-NOV-2004	1	1	1	180	10	20	3	.5	10	$NULL	01-JAN-0000	$NULL	$NULL	$NULL	$NULL	$NULL	$NULL
1422	$NULL	015.1159	$NULL	IMAGE HOUSING	$NULL	CALEF ISLAND RD	$NULL	BARRINGTON	$NULL	$NULL	24-NOV-2004	1	1	1	120	20	30	3	.5	20	$NULL	01-JAN-0000	$NULL	$NULL	$NULL	$NULL	$NULL	$NULL
1712	248	015.1171	D.	SMITH	$NULL	CALEF ISLAND RD	$NULL	BARRINGTON	11	LOT 4	11-SEP-2004	1	1	1	270	2	20	1	1	3	35	11-SEP-2004	$NULL	3	YL	$NULL	$NULL	$NULL
1712	249	015.1172	L.	MASSE	3	CALEF ISLAND RD	$NULL	BARRINGTON	11	LOT 18	18-SEP-2004	1	1	1	165	11	40	1	1	10	45	18-SEP-2004	$NULL	3	YL	$NULL	$NULL	$NULL
1818	S-18285	015.1240	B.	ACHMAKJIAN	$NULL	CALEF ISLAND RD	$NULL	BARRINGTON	$NULL	13	21-OCT-2005	1	1	1	600	8	40	3	.5	2	60	21-OCT-2005	Y	4	WQ=SEACOASR ANALYTICAL	$NULL	Y	1
1236	$NULL	015.1246	$NULL	ANDREW GAULT BUILDER	$NULL	CALEF ISLAND RD	$NULL	BARRINGTON	$NULL	$NULL	03-NOV-2005	1	1	1	160	10	30	3	.5	12	$NULL	01-JAN-0000	$NULL	3	YL	$NULL	$NULL	$NULL
644	$NULL	015.1304	T.	POLANSKI	$NULL	CALEF ISLAND RD	$NULL	BARRINGTON	120	69	24-AUG-2006	1	1	1	245	8	60	3	.75	30	$NULL	01-JAN-0000	$NULL	3	YL	$NULL	$NULL	$NULL
1339	306	015.1355	R.	MCKENNEY	6	CALEF ISLAND RD	$NULL	BARRINGTON	119	005	28-JAN-2006	1	1	1	120	3	20	1	$NULL	20	$NULL	01-JAN-0000	$NULL	3	$NULL	$NULL	$NULL	$NULL
253	01216	015.0908	E.	CORROW	$NULL	DAVIS LN	$NULL	BARRINGTON	$NULL	LOT 2	30-NOV-2001	1	2	1	325	60	84	3	1	5	29	30-NOV-2001	$NULL	3	$NULL	$NULL	$NULL	$NULL
406	322	015.0076	J.	APPLEBY	$NULL	FRANCE RD	$NULL	BARRINGTON	$NULL	$NULL	25-OCT-1985	1	1	1	230	32	42	3	1.75	15	$NULL	01-JAN-0000	$NULL	2	$NULL	$NULL	$NULL	$NULL
177	493	015.0115	C.	RANSON	OFF	FRANCE RD	$NULL	BARRINGTON	$NULL	$NULL	25-JUL-1986	1	1	1	100	10	10	3	$NULL	12	$NULL	01-JAN-0000	$NULL	2-4	$NULL	$NULL	$NULL	$NULL
143	81	015.0425	M.	GROOVER	$NULL	FRANCE RD	$NULL	BARRINGTON	$NULL	LOT 21	13-OCT-1992	1	1	1	420	4	20	3	1	40	$NULL	01-JAN-0000	$NULL	4	$NULL	$NULL	$NULL	$NULL
406	2725	015.0433	$NULL	DJD & DAUGHTERS	$NULL	FRANCE RD	$NULL	BARRINGTON	$NULL	LOT 3	23-MAR-1993	1	1	1	182	35	45	3	.42	60	$NULL	01-JAN-0000	$NULL	2	YL	$NULL	$NULL	$NULL
1	2557	015.0576	R.	MUTCH	159	FRANCE RD	$NULL	BARRINGTON	267	4	05-JUN-1996	1	1	1	60	12	26	3	$NULL	20	3	06-JUN-1996	$NULL	2	$NULL	$NULL	$NULL	$NULL
644	$NULL	015.0681	$NULL	ACCURATE BUILDERS	$NULL	FRANCE RD	$NULL	BARRINGTON	$NULL	$NULL	28-MAR-1998	1	1	1	125	12	42	3	.75	100	$NULL	01-JAN-0000	$NULL	3	YL	$NULL	$NULL	$NULL
406	4309	015.0697	$NULL	COUNTRY HOMES OF NE	$NULL	FRANCE RD	$NULL	BARRINGTON	$NULL	LOT 2	11-JUL-1998	1	1	1	420	19	40	3	1.5	2.5	9	13-JUL-1998	$NULL	3	YL	$NULL	$NULL	$NULL
406	$NULL	015.0790	F.	BOSSIER	157	FRANCE RD	$NULL	BARRINGTON	267	3	17-AUG-1999	1	1	1	361	61	80	3	.25	100	7	17-AUG-1999	$NULL	3	YL	$NULL	$NULL	$NULL
225	01068	015.0848	M.	MARILYN	$NULL	FRANCE RD	$NULL	BARRINGTON	261	10	12-MAR-2001	1	1	1	460	44	60	3	1	30	$NULL	01-JAN-0000	$NULL	3	YL	$NULL	$NULL	$NULL
225	01068	015.0850	$NULL	ROBERT LEACH BLDR	$NULL	FRANCE RD	$NULL	BARRINGTON	$NULL	$NULL	12-MAR-2001	1	1	1	460	44	60	3	1	30	$NULL	01-JAN-0000	$NULL	3	YL	$NULL	$NULL	$NULL
177	1277	015.0937	A.	KELLEY	$NULL	FRANCE RD	$NULL	BARRINGTON	256	4	17-DEC-2001	1	1	1	360	27	40	3	.5	3.5	$NULL	01-JAN-0000	$NULL	2	$NULL	$NULL	$NULL	$NULL
1085	45-2004	015.1128	$NULL	LAMPREY RIVER BUILDERS	203	FRANCE RD	$NULL	BARRINGTON	$NULL	$NULL	19-MAY-2004	1	1	1	520	5	80	3	.5	150	3	19-MAY-2004	$NULL	2	$NULL	$NULL	$NULL	$NULL
253	04286	015.1187	S.	LUCEY	99	FRANCE RD	$NULL	BARRINGTON	$NULL	LOT 3C	15-NOV-2004	1	1	1	185	51	117	3	1	15	18	15-NOV-2004	$NULL	123	ON-CONFORMING WELL LOCATIO	$NULL	$NULL	$NULL
1	1-8980	015.1250	$NULL	BR GOLDEN BUILDERS	285	FRANCE RD	$NULL	BARRINGTON	$NULL	$NULL	07-NOV-2005	1	1	1	280	14	40	3	.5	10	40	21-NOV-2005	$NULL	4	$NULL	$NULL	$NULL	$NULL
1236	$NULL	015.1386	$NULL	GROEN BUILDERS	238	FRANCE RD	$NULL	BARRINGTON	$NULL	$NULL	06-AUG-2007	1	1	1	195	20	30	3	.5	20	$NULL	01-JAN-0000	$NULL	2	YL	$NULL	$NULL	$NULL
1236	$NULL	015.1222	P.	RICCARDI	179	FRANCE RD EXT	$NULL	BARRINGTON	$NULL	$NULL	29-AUG-2005	1	1	1	180	29	40	3	.5	50	$NULL	01-JAN-0000	$NULL	12	YL	$NULL	$NULL	$NULL
457	110-87	015.0179	R.	LAMSON	$NULL	GRANITE DR	$NULL	BARRINGTON	250	11	29-JUL-1987	1	1	1	500	30	50	3	2	3	$NULL	01-JAN-0000	$NULL	12	YL	$NULL	$NULL	$NULL

N.H. GEOLOGICAL SURVEY WATER WELL DATA SUMMARY

LICENSE NUMBER	WELL NUMBER	WRB#	FIRST NAME	LAST NAME	ST#	ROAD	ROAD2	TOWN	MAP	PARCEL OR SUBDIVISION LOT	Well Completion Date	USE	REASON	TYPE	Total Depth	Depth to Bedrock	Casing Length	YTM	YTD	YIELD GPM	Static Water Level	DATE MEASURED	WATER QUALITY TEST	OVER BURDEN	Note	GROUTED	Hydro-Fracture	HF YIELD BEFOR
253	01185	015.0903	C.	CONSTANTINE	$NULL	GRANITE DR	$NULL	BARRINGTON	250	14	20-OCT-2001	1	1	1	225	10	42	3	1	6	56	20-OCT-2001	$NULL	3	$NULL	$NULL	$NULL	$NULL
457	86-176	015.0139	S.	PIRINI	15	GRANVILLE DR	$NULL	BARRINGTON	11	302	10-OCT-1986	1	1	1	175	23	41	3	1	20	$NULL	01-JAN-0000	$NULL	2	$NULL	$NULL	$NULL	$NULL
457	131-87	015.0176	T.	COMITA	$NULL	GRANVILLE DR	$NULL	BARRINGTON	$NULL	30	19-AUG-1987	1	1	1	250	30	41	3	1	12	$NULL	01-JAN-0000	$NULL	12	YL	$NULL	$NULL	$NULL
457	134-87	015.0177	J.	REEVES	$NULL	GRANVILLE DR	$NULL	BARRINGTON	$NULL	3	20-AUG-1987	1	1	1	300	40	40	3	1	16	$NULL	01-JAN-0000	$NULL	3	YL	$NULL	$NULL	$NULL
406	1128	015.0222	D.	BOWLES	16	GRANVILLE DR	$NULL	BARRINGTON	120	49	09-APR-1988	1	1	1	142	15	20	3	.5	5	$NULL	01-JAN-0000	$NULL	1	$NULL	$NULL	$NULL	$NULL
3	01365	015.0332	R.	JONES	10	GRANVILLE DR	$NULL	BARRINGTON	120	52	05-MAY-1990	1	1	1	422	7	121	3	1	6	$NULL	01-JAN-0000	Y	3	$NULL	$NULL	$NULL	$NULL
1236	9703	015.0639	$NULL	TONY SERRA CONST	$NULL	GRANVILLE DR	$NULL	BARRINGTON	$NULL	$NULL	01-NOV-1996	1	1	1	300	7	20	3	1	9	$NULL	01-JAN-0000	$NULL	2	YL	$NULL	$NULL	$NULL
406	$NULL	015.0818	$NULL	COUNTRY HOMES OF NE	$NULL	GRANVILLE DR	CORNER OF GRANDVILLE AND	BARRINGTON	$NULL	$NULL	06-JUN-2000	1	1	1	220	31	48	3	.5	12	33	06-JUN-2000	$NULL	3	$NULL	$NULL	$NULL	$NULL
644	$NULL	015.1303	M.	BERUBE	$NULL	GRANVILLE DR	$NULL	BARRINGTON	$NULL	11	02-NOV-2005	1	1	1	185	6	40	3	.75	8	$NULL	01-JAN-0000	$NULL	3	$NULL	$NULL	$NULL	$NULL
3	2	015.0001	$NULL	BYTHIOW	$NULL	HALL RD	$NULL	BARRINGTON	11	287	23-FEB-1984	1	1	1	265	12	38	3	$NULL	3	$NULL	01-JAN-0000	$NULL	3	$NULL	$NULL	$NULL	$NULL
3	$NULL	015.0002	$NULL	SAULNIER	$NULL	HALL RD	$NULL	BARRINGTON	$NULL	$NULL	24-FEB-1984	1	1	1	186	8	33	3	$NULL	15	$NULL	01-JAN-0000	$NULL	3	$NULL	$NULL	$NULL	$NULL
238	21	015.0018	$NULL	TONER	$NULL	HALL RD	$NULL	BARRINGTON	10	13-9	11-JUL-1984	1	1	1	415	4	16	3	$NULL	1	6	01-JAN-0000	$NULL	2	YL	$NULL	$NULL	$NULL
5	11	015.0029	$NULL	BILODEAU	$NULL	HALL RD	$NULL	BARRINGTON	11	133F	07-MAY-1984	1	1	1	245	20	30	3	.5	50	$NULL	01-JAN-0000	$NULL	13	$NULL	$NULL	$NULL	$NULL
406	204	015.0043	$NULL	CONSERVE ASSN	$NULL	HALL RD	$NULL	BARRINGTON	$NULL	$NULL	17-MAY-1985	9	1	1	242	38	44	3	1.25	2	$NULL	01-JAN-0000	$NULL	2	$NULL	$NULL	$NULL	$NULL
3	209	015.0054	$NULL	LEN-KAY CAMPING RD	$NULL	HALL RD	$NULL	BARRINGTON	11	137	11-AUG-1987	2	3	1	265	10	31	3	2	150	$NULL	01-JAN-0000	$NULL	3	YL	$NULL	$NULL	$NULL
238	88	015.0058	D.	TONER	$NULL	HALL RD	$NULL	BARRINGTON	10	13-9	26-JUN-1985	1	$NULL	1	590	4	20	3	$NULL	$NULL	$NULL	26-JUN-1985	$NULL	$NULL	$NULL	$NULL	$NULL	$NULL
3	303	015.0091	D.	SAULNIER	$NULL	HALL RD	$NULL	BARRINGTON	$NULL	$NULL	04-SEP-1985	1	2	1	402	15	40	3	1	20	20	05-SEP-1985	$NULL	3	$NULL	$NULL	$NULL	$NULL
406	444	015.0110	$NULL	CONSERVE ASSOC	$NULL	HALL RD	$NULL	BARRINGTON	$NULL	$NULL	05-JUN-1986	1	1	1	450	53	63	3	2	100	$NULL	01-JAN-0000	$NULL	2	$NULL	$NULL	$NULL	$NULL
457	86-197	015.0146	M.	CHARLOTTE	$NULL	HALL RD	$NULL	BARRINGTON	11	55	10-NOV-1986	1	1	1	200	45	61	3	1	25	$NULL	01-JAN-0000	$NULL	12	YL	$NULL	$NULL	$NULL
6	49	015.0158	$NULL	INHOFF	$NULL	HALL RD	$NULL	BARRINGTON	$NULL	$NULL	04-APR-1986	1	1	1	200	5	20	1	1	7	15	01-JAN-0000	$NULL	2	$NULL	$NULL	$NULL	$NULL
406	1036	015.0192	J.	HBER	$NULL	HALL RD	$NULL	BARRINGTON	$NULL	$NULL	09-NOV-1987	1	2	1	302	8	20	3	1.75	1.5	$NULL	01-JAN-0000	$NULL	3	$NULL	$NULL	$NULL	$NULL
3	01037	015.0235	C.	MCEWAN	$NULL	HALL RD	$NULL	BARRINGTON	120	2	24-JUN-1988	1	1	1	243	10	61	3	1	100	$NULL	01-JAN-0000	$NULL	3	$NULL	$NULL	$NULL	$NULL
64	$NULL	015.0356	A.	PALMER	$NULL	HALL RD	$NULL	BARRINGTON	254	16	27-NOV-1990	1	1	1	200	10	20	1	2	12	34	27-NOV-1990	$NULL	3	$NULL	$NULL	$NULL	$NULL
406	2118	015.0372	K.	JONES	$NULL	HALL RD	$NULL	BARRINGTON	261	80	14-MAY-1991	1	3	1	302	8.5	20	3	.5	5	$NULL	01-JAN-0000	$NULL	1	YTQ AFTER DEEPENING = 7 GPM	$NULL	$NULL	$NULL
406	2118	015.0388	K.	JONES	$NULL	HALL RD	$NULL	BARRINGTON	$NULL	$NULL	16-AUG-1991	1	3	1	442	8.5	20	3	1.25	7	$NULL	01-JAN-0000	$NULL	1	$NULL	$NULL	$NULL	$NULL
143	57	015.0428	I.	FOGARTY	$NULL	HALL RD	$NULL	BARRINGTON	$NULL	$NULL	28-JUL-1992	1	2	1	740	10	20	3	1	2	$NULL	01-JAN-0000	$NULL	4	$NULL	$NULL	$NULL	$NULL
177	573	015.0501	V.	CRISP	$NULL	HALL RD	$NULL	BARRINGTON	$NULL	LOT 8	27-JUL-1994	1	1	1	420	12	34	3	.5	1.5	$NULL	01-JAN-0000	$NULL	12	$NULL	$NULL	$NULL	$NULL
3	02054	015.0533	G.	WICKERS	$NULL	HALL RD	$NULL	BARRINGTON	120	33	17-JUN-1995	1	2	1	602	$NULL	$NULL	3	8	2.5	$NULL	01-JAN-0000	$NULL	$NULL	$NULL	$NULL	$NULL	$NULL
3	02034	015.0536	D.	ROGER	$NULL	HALL RD	$NULL	BARRINGTON	$NULL	$NULL	11-MAY-1995	1	1	1	526	10	41	3	1	15	$NULL	01-JAN-0000	$NULL	3	$NULL	$NULL	$NULL	$NULL
3	02108	015.0551	A.	NEWCOMB	223	HALL RD	$NULL	BARRINGTON	267	9	07-SEP-1995	1	3	1	840	$NULL	$NULL	3	1	3	$NULL	01-JAN-0000	Y	$NULL	CM:HYDROFRACKED	$NULL	$NULL	$NULL
3	2480	015.0654	$NULL	KENNETH HODKINSON TRUST	190	HALL RD	$NULL	BARRINGTON	10	0017	14-NOV-1997	1	1	1	523	35	61	3	1	5	60	15-NOV-1997	Y	3	$NULL	$NULL	$NULL	$NULL
406	4348	015.0676	$NULL	COUNTRY HOMES OF NE	$NULL	HALL RD	$NULL	BARRINGTON	10	6	28-AUG-1998	1	1	1	120	2	20	3	.5	75	25	28-AUG-1998	$NULL	3	YL	$NULL	$NULL	$NULL
644	$NULL	015.0682	L.	SMITH	$NULL	HALL RD	$NULL	BARRINGTON	10	0017-0001	02-JAN-1998	1	1	1	310	28	63	3	.75	15	$NULL	01-JAN-0000	$NULL	3	YL	$NULL	$NULL	$NULL
253	98134	015.0707	D.	WHITCHER	$NULL	HALL RD	$NULL	BARRINGTON	$NULL	LOT 69A	04-OCT-1998	1	1	1	565	30	55	3	1	35	20	04-OCT-1998	Y	2	$NULL	$NULL	$NULL	$NULL
253	99006	015.0711	$NULL	TIBBETTS HOMES INC	$NULL	HALL RD	$NULL	BARRINGTON	$NULL	LOT 21	21-JAN-1999	1	1	1	125	18	42	3	1	18	20	21-JAN-1999	Y	2	$NULL	$NULL	$NULL	$NULL
406	$NULL	015.0792	$NULL	QUAIL RIDGE BUILDERS	$NULL	HALL RD	$NULL	BARRINGTON	$NULL	$NULL	10-APR-2000	1	1	1	380	13	40	3	.5	30	7	11-APR-2000	$NULL	3	YL	$NULL	$NULL	$NULL
1424	99-48	015.0833	R.	TOWNSEND	$NULL	HALL RD	$NULL	BARRINGTON	254	25	05-AUG-1999	1	1	1	731	22	41	3	.5	15	10	06-AUG-1999	$NULL	4	YL	$NULL	$NULL	$NULL
1	1-5082	015.0861	$NULL	GBS DEVELOPMENT	$NULL	HALL RD	$NULL	BARRINGTON	$NULL	$NULL	20-APR-2001	1	1	1	320	12	41	3	1	6.5	$NULL	01-JAN-0000	$NULL	12	$NULL	$NULL	$NULL	$NULL
1422	$NULL	015.0997	$NULL	RB HOME BUILDER	$NULL	HALL RD	$NULL	BARRINGTON	11	LOT 151	26-AUG-2002	1	1	1	300	4	40	3	$NULL	10	12	28-AUG-2002	$NULL	2	$NULL	$NULL	$NULL	$NULL
22	22-1816-A #2	015.1076	$NULL	PEPPERIDGE WOODS	$NULL	HALL RD	$NULL	BARRINGTON	$NULL	$NULL	09-APR-2003	2	1	1	652	15	65	3	1	51	5	09-APR-2003	$NULL	234	CM: SHALE PACKER @ 315' 4" DRI	$NULL	$NULL	$NULL
22	22-1815-A #1	015.1077	$NULL	PEPPERIDGE WOODS	$NULL	HALL RD	$NULL	BARRINGTON	$NULL	$NULL	07-APR-2003	2	1	1	637	15	60	3	.5	50	0	07-APR-2003	$NULL	234	YL CM:JASWELL SEAL @ 300'	$NULL	$NULL	$NULL
1	1-8549	015.1192	$NULL	LAWRENCE DOUGLAS CONST	217	HALL RD	$NULL	BARRINGTON	$NULL	$NULL	18-FEB-2005	1	2	1	620	6	40	3	.5	3	0	18-FEB-2005	$NULL	4	HF	$NULL	Y	.1
644	$NULL	015.1351	K.	SHOEN	168	HALL RD	$NULL	BARRINGTON	261	82	22-MAR-2007	1	1	1	265	8	60	3	.75	100	$NULL	01-JAN-0000	$NULL	3	$NULL	Y	$NULL	$NULL
644	$NULL	015.1352	K.	SHOEN	168	HALL RD	$NULL	BARRINGTON	261	82	11-APR-2007	0	1	1	260	8	32	3	.75	100	$NULL	01-JAN-0000	$NULL	3	CM:USE(0)=GEOTHERMAL	$NULL	$NULL	$NULL
253	07025	015.1365	$NULL	FOUR STAR	$NULL	HALL RD	$NULL	BARRINGTON	$NULL	LOT 14-2	26-MAR-2007	1	1	1	165	10	30	3	1	50	10	26-MAR-2007	$NULL	3	$NULL	$NULL	$NULL	$NULL
253	07021	015.1366	$NULL	FOUR STAR	$NULL	HALL RD	$NULL	BARRINGTON	$NULL	LOT 14-1	13-MAR-2007	1	1	1	285	6	60	3	1	12	75	13-MAR-2007	$NULL	3	FRACTURED BEDROCK 6-18'	$NULL	$NULL	$NULL
406	760	015.0151	D.	KOST	$NULL	HALL RD	$NULL	BARRINGTON	10	8D	23-FEB-1987	1	1	1	142	12	21	3	.5	7.5	$NULL	01-JAN-0000	$NULL	1	YL	$NULL	$NULL	$NULL
406	992	015.0183	D.	CALEF	$NULL	HOLIDAY LAKE SHORE	$NULL	BARRINGTON	$NULL	$NULL	03-OCT-1987	1	1	1	262	10	20	3	.5	40	$NULL	01-JAN-0000	$NULL	12	$NULL	$NULL	$NULL	$NULL
644	$NULL	015.0999	H.	KLEIN	80	HOLIDAY LAKE SHORE	$NULL	BARRINGTON	261	51	21-MAR-2003	1	1	1	240	14	108	3	1	50	$NULL	01-JAN-0000	$NULL	3	$NULL	$NULL	$NULL	$NULL
1236	$NULL	015.1202	M.	WALLACE	$NULL	HOLIDAY LAKE SHORE	$NULL	BARRINGTON	$NULL	$NULL	28-FEB-2005	1	1	1	340	23	33	3	1	5	$NULL	01-JAN-0000	$NULL	12	YL	$NULL	$NULL	$NULL
1422	32	015.1276	C.	LINDSAY	$NULL	HOLIDAY LAKE SHORE	$NULL	BARRINGTON	$NULL	$NULL	06-MAR-2006	$NULL	1	1	140	40	50	3	.5	20	$NULL	01-JAN-0000	$NULL	2-4	$NULL	$NULL	$NULL	$NULL
1712	222	015.1108	S.	CLIFF	$NULL	HOLIDAY LAKE SHORE	$NULL	BARRINGTON	261	31	28-OCT-2003	1	1	1	110	20	40	1	1	10	8	28-OCT-2003	$NULL	1	$NULL	$NULL	$NULL	$NULL
1422	$NULL	015.0987	A.	CLEANER	$NULL	IVAN WAY	$NULL	BARRINGTON	11	LOT 11/PL.	07-JAN-2002	1	1	1	400	8	20	3	.5	3	15	21-JAN-2002	$NULL	2	$NULL	$NULL	$NULL	$NULL
541	85	015.0171	$NULL	RC GRIFFIN INC	2	LAKE SHORE DR	$NULL	BARRINGTON	$NULL	$NULL	30-APR-1987	1	1	1	150	50	62	1	$NULL	5	$NULL	01-JAN-0000	$NULL	1-4	$NULL	$NULL	$NULL	$NULL
534	28	015.0432	$NULL	SMITHFIELD CONST CO INC	$NULL	LAKE SHORE DR	$NULL	BARRINGTON	119	29	12-MAR-1993	1	1	1	196	20	27	1	1	15	2	15-MAR-1993	$NULL	4	$NULL	$NULL	$NULL	$NULL
1712	60	015.0674	R.	MECABE	$NULL	LAKE SHORE DR	$NULL	BARRINGTON	119	11	24-JUL-1998	1	1	1	160	20	30	1	$NULL	10	12	24-JUL-1998	$NULL	2	YL	$NULL	$NULL	$NULL
1712	80	015.0735	C.	JACKSON	$NULL	LAKE SHORE DR	$NULL	BARRINGTON	119	18	26-MAR-1999	1	1	1	150	10	30	1	$NULL	10	18	26-MAR-1999	$NULL	4	YL	$NULL	$NULL	$NULL
1236	$NULL	015.0854	$NULL	KALWAY CONSTRUCTION	$NULL	LAKE SHORE DR	$NULL	BARRINGTON	114	25	03-AUG-2000	1	1	1	140	8	20	3	1	10	20	19-SEP-2000	$NULL	12	YL	$NULL	$NULL	$NULL
644	$NULL	015.1282	C.	BOUSQUIN	40	LAKE SHORE DR	$NULL	BARRINGTON	$NULL	$NULL	15-AUG-2006	1	1	1	265	10	60	3	.75	5	$NULL	01-JAN-0000	$NULL	3	$NULL	Y	$NULL	$NULL
1422	$NULL	015.1197	B.	PEABODY	$NULL	LAKESIDE OAKS DR	$NULL	BARRINGTON	$NULL	$NULL	10-AUG-2001	1	1	1	200	5	40	3	.5	40	10	11-AUG-2001	$NULL	$NULL	YL	$NULL	$NULL	$NULL
1422	$NULL	015.1193	$NULL	BRADLEY PEABODY	5	LAKESIDE OAKS DR	$NULL	BARRINGTON	$NULL	$NULL	01-JAN-0000	1	1	1	260	4	40	3	.5	6	14	01-JAN-0000	$NULL	1	RILLED IN NOV 2000 DAY NOT GIVE	$NULL	$NULL	$NULL
1422	$NULL	015.1194	$NULL	BRADLEY PEABODY	7	LAKESIDE OAKS DR	$NULL	BARRINGTON	$NULL	$NULL	01-JAN-0000	1	2	1	180	11	100	3	.5	50	16	01-JAN-0000	$NULL	1	RILLED IN SEP 2000 DAY NOT GIVE	$NULL	$NULL	$NULL
177	943	015.0254	L.	HASKELL	$NULL	LAKESIDE OAKS DR	$NULL	BARRINGTON	$NULL	LOT 6A	01-NOV-1988	1	1	1	140	3	21	3	$NULL	15	$NULL	01-JAN-0000	$NULL	1	$NULL	$NULL	$NULL	$NULL
225	00325	015.0821	E.	GAW	$NULL	LAKESIDE OAKS DR	$NULL	BARRINGTON	$NULL	9	02-NOV-2000	1	1	1	280	7	41	3	1	75	$NULL	01-JAN-0000	$NULL	12	$NULL	$NULL	$NULL	$NULL
406	$NULL	015.0846	$NULL	COUNTRY HOMES OF NE	$NULL	LAKESIDE OAKS DR	OFF HALL RD	BARRINGTON	$NULL	$NULL	27-OCT-2000	1	1	1	150	5	21	3	.5	18	13	27-OCT-2000	$NULL	3	$NULL	$NULL	$NULL	$NULL
406	$NULL	015.0925	L.	DYSON	$NULL	LAKESIDE OAKS DR	$NULL	BARRINGTON	$NULL	$NULL	24-AUG-2001	1	1	1	140	6	20	3	$NULL	50	37	24-AUG-2001	$NULL	3	YL	$NULL	$NULL	$NULL
1422	$NULL	015.0989	B.	PEABODY	$NULL	LAKESIDE OAKS DR	$NULL	BARRINGTON	$NULL	$NULL	17-JUL-2003	1	1	1	220	12	40	3	.5	60	$NULL	01-JAN-0000	$NULL	$NULL	$NULL	$NULL	$NULL	$NULL
1422	$NULL	015.0993	B.	PEABODY	$NULL	LAKESIDE OAKS DR	$NULL	BARRINGTON	$NULL	LOT 5A	09-AUG-2002	1	1	1	440	6	30	3	1	4	12	12-AUG-2002	$NULL	1	$NULL	$NULL	Y	1.5
406	$NULL	015.0745	F.	PALMER	6	LENZI POINT RD	$NULL	BARRINGTON	115	29	08-NOV-1999	1	1	1	220	8	22	3	1	3	13	08-NOV-1999	$NULL	3	$NULL	$NULL	$NULL	$NULL
177	279	015.0065	N.	LABRIE	1	MAYFLOWER DR	$NULL	BARRINGTON	11	255	01-AUG-1985	1	1	1	120	19	42	3	$NULL	20	$NULL	01-JAN-0000	$NULL	3	$NULL	$NULL	$NULL	$NULL
406	1143	015.0234	M. & R.	BARNEY	$NULL	MAYFLOWER DR	$NULL	BARRINGTON	249	47	17-MAY-1988	1	2	1	422	26	40	3	.5	1	$NULL	01-JAN-0000	$NULL	124	$NULL	$NULL	$NULL	$NULL
457	195-88	015.0253	A. & P.	POWELL	10	MAYFLOWER DR	$NULL	BARRINGTON	249	49	19-SEP-1988	1	1	1	700	92	107	3	1	.25	$NULL	01-JAN-0000	$NULL	124	YL	$NULL	$NULL	$NULL
1236	$NULL	015.0915	R.	SHERRILL	$NULL	MAYFLOWER DR	$NULL	BARRINGTON	249	51	09-JAN-2002	1	2	1	640	3	20	3	.5	2	515	12-JAN-2002	$NULL	1	$NULL	$NULL	Y	.25
177	135	015.0061	G.	CRISP	$NULL	MICA POINT RD	$NULL	BARRINGTON	10	26L-11	19-NOV-1984	1	1	1	80	9	21	3	$NULL	15	$NULL	01-JAN-0000	$NULL	1	$NULL	$NULL	$NULL	$NULL
644	523-85A	015.0080	$NULL	CONVERTER CONTRACTORS	$NULL	MICA POINT RD	$NULL	BARRINGTON	26C	$NULL	23-MAY-1985	1	1	1	162	10	20	3	.5	40	$NULL	01-JAN-0000	$NULL	3	$NULL	$NULL	$NULL	$NULL
3	289	015.0089	D.	STAPLY	$NULL	MICA POINT RD	$NULL	BARRINGTON	10	26II	22-AUG-1985	1	1	1	284	10	106	3	1	10	$NULL	01-JAN-0000	$NULL	3	$NULL	$NULL	$NULL	$NULL
3	546	015.0121	D.	SHANNON	$NULL	MICA POINT RD	$NULL	BARRINGTON	10	26GG	23-AUG-1986	1	1	1	323	40	60	3	1	15	30	23-AUG-1986	$NULL	3	$NULL	$NULL	$NULL	$NULL
3	547	015.0125	Z.	BRANTLEY	$NULL	MICA POINT RD	$NULL	BARRINGTON	10	26HH	25-AUG-1986	1	1	1	243	20	57	3	1	7	$NULL	01-JAN-0000	$NULL	3	$NULL	$NULL	$NULL	$NULL

N.H. GEOLOGICAL SURVEY WATER WELL DATA SUMMARY

LICENSE NUMBER	WELL NUMBER	WRB#	FIRST NAME	LAST NAME	ST#	ROAD	ROAD2	TOWN	MAP	PARCEL OR SUBDIVISION LOT	Well Completion Date	USE	REASON	TYPE	Total Depth	Depth to Bedrock	Casing Length	YTM	YTD	YIELD GPM	Static Water Level	DATE MEASURED	WATER QUALITY TEST	OVER BURDEN	Note	GROUTED	Hydro-Fracture	HF YIELD BEFOR
406	796	015.0162	B.	EARLEY	$NULL	MICA POINT RD	$NULL	BARRINGTON	10	93	04-APR-1987	1	2	1	222	6	21	3	1	2.5	$NULL	01-JAN-0000	$NULL	12	$NULL	$NULL	$NULL	$NULL
457	146-87	015.0178	J.	COX	$NULL	MICA POINT RD	$NULL	BARRINGTON	$NULL	6	03-SEP-1987	1	1	1	275	20	41	3	1	15	$NULL	01-JAN-0000	$NULL	6	YL CM:OB(6)=UNKNOWN	$NULL	$NULL	$NULL
457	137-87	015.0180	N.	TREMBLAY	OFF	MICA POINT RD	$NULL	BARRINGTON	256	15 & 16	24-AUG-1987	1	1	1	300	20	41	3	1	4	$NULL	01-JAN-0000	$NULL	12	YL	$NULL	$NULL	$NULL
204	989	015.0214	$NULL	FULL SWING BLDRS	$NULL	MICA POINT RD	$NULL	BARRINGTON	$NULL	$NULL	02-SEP-1987	1	1	1	365	45	60	3	.75	20	6	03-SEP-1987	$NULL	2	$NULL	$NULL	$NULL	$NULL
204	1018	015.0216	$NULL	GARY GARDNER	$NULL	MICA POINT RD	$NULL	BARRINGTON	$NULL	$NULL	14-OCT-1987	1	2	1	365	7	20	3	.75	2	30	16-OCT-1987	$NULL	3	$NULL	$NULL	$NULL	$NULL
406	1279	015.0250	$NULL	FATHER & SON CONST	$NULL	MICA POINT RD	$NULL	BARRINGTON	$NULL	$NULL	20-OCT-1988	1	1	1	362	50	61	3	1	2	$NULL	01-JAN-0000	$NULL	12	$NULL	$NULL	$NULL	$NULL
406	2049	015.0358	B.	FISH	8	MICA POINT RD	$NULL	BARRINGTON	256	38	26-OCT-1990	1	1	1	80	9	20	3	.25	22	$NULL	01-JAN-0000	$NULL	13	$NULL	$NULL	$NULL	$NULL
1527	19	015.0375	R.	CUSSINS	15	MICA POINT RD	$NULL	BARRINGTON	10	26-I	20-SEP-1990	1	1	1	300	85	85	$NULL	$NULL	8	10	01-JAN-0000	$NULL	$NULL	$NULL	$NULL	$NULL	$NULL
64	3	015.0384	$NULL	NE POST & BEAM	$NULL	MICA POINT RD	$NULL	BARRINGTON	$NULL	$NULL	20-JAN-1991	1	1	1	139	6	18	1	2	15	12	20-JAN-1991	$NULL	3	$NULL	$NULL	$NULL	$NULL
302	20	015.0463	M.	SIPPLE	$NULL	MICA POINT RD	$NULL	BARRINGTON	118	29	29-DEC-1992	1	1	1	145	10	21	3	.5	4	12	29-DEC-1992	$NULL	3	$NULL	$NULL	$NULL	$NULL
253	$NULL	015.0649	$NULL	ELIMIATOR CORP	$NULL	MICA POINT RD	$NULL	BARRINGTON	$NULL	LOT 26	05-AUG-1997	1	1	1	305	8	21	3	1	8	20	06-AUG-1997	$NULL	3	$NULL	$NULL	$NULL	$NULL
406	4259	015.0661	$NULL	QUAIL RIDGE BUILDERS	18	MICA POINT RD	$NULL	BARRINGTON	118	96, 97	08-MAY-1998	1	1	1	220	7	20	3	1	7	9	08-MAY-1998	$NULL	3	YL	$NULL	$NULL	$NULL
3	02544	015.0667	B.	STEFFEN	23	MICA POINT RD	$NULL	BARRINGTON	$NULL	$NULL	28-MAY-1998	1	1	1	523	8	71	3	1	15	10	29-MAY-1998	Y	3	YL HF(2 GPM)	$NULL	$NULL	$NULL
253	98005	015.0677	S.	MILLER	$NULL	MICA POINT RD	$NULL	BARRINGTON	$NULL	LOT 8	14-JAN-1998	1	1	1	305	4	42	3	1	6	20	05-FEB-1998	Y	$NULL	$NULL	$NULL	$NULL	$NULL
364	364-991222RT1	015.0927	R.	DONAHUE	$NULL	MICA POINT RD	$NULL	BARRINGTON	256	40	17-DEC-1999	1	2	1	400	26	40	1	$NULL	5	25	17-DEC-2001	$NULL	4	CM: DEVELOPED BY SURGING	$NULL	$NULL	$NULL
406	$NULL	015.0954	L.	BENNETT	58	MICA POINT RD	$NULL	BARRINGTON	118	75 & 80	07-JUN-2002	1	1	1	140	5	20	3	.5	15	20	10-JUN-2002	$NULL	3	YL	$NULL	$NULL	$NULL
1712	195	015.1047	J	SHAW	$NULL	MICA POINT RD	$NULL	BARRINGTON	118	98	26-NOV-2002	1	1	1	190	8	20	1	1	6	12	26-NOV-2002	$NULL	1	YL	$NULL	$NULL	$NULL
406	406	015.1267	K.	MAGEE	17	MICA POINT RD	$NULL	BARRINGTON	$NULL	$NULL	27-JAN-2006	1	1	1	230	11	30	3	.5	10	6	27-JAN-2006	$NULL	3	YL	$NULL	$NULL	$NULL
1236	$NULL	015.0963	B.	ALLEN	1	PEPPER LN	$NULL	BARRINGTON	115	37	11-OCT-2002	1	2	1	340	19	30	3	1	8	$NULL	01-JAN-0000	$NULL	12	YL	$NULL	$NULL	$NULL
406	1884	015.0299	R.	PLANTE	$NULL	POWERS DR	$NULL	BARRINGTON	$NULL	$NULL	15-OCT-1989	1	1	1	422	35	45	3	1	.4	$NULL	01-JAN-0000	$NULL	3	$NULL	$NULL	$NULL	$NULL
204	1301	015.0353	$NULL	R J CONST	$NULL	POWERS DR	$NULL	BARRINGTON	$NULL	$NULL	09-MAR-1990	1	1	1	120	26	40	3	.25	10	30	09-MAR-1990	$NULL	2	$NULL	$NULL	$NULL	$NULL
1049	$NULL	015.0545	$NULL	TIM WADE BLDG CONTR	$NULL	POWERS DR	$NULL	BARRINGTON	117	30	28-AUG-1995	1	1	1	158	33	38	1	$NULL	5.5	11	28-AUG-1995	$NULL	24	$NULL	$NULL	$NULL	$NULL
1049	$NULL	015.0555	$NULL	TIM WADE BLDG CONTR	$NULL	POWERS DR	$NULL	BARRINGTON	117	34	20-AUG-1995	1	1	1	95	8	15	1	$NULL	7	9	20-AUG-1995	$NULL	24	$NULL	$NULL	$NULL	$NULL
1236	$NULL	015.0562	$NULL	CHINBURG BLDG CONTR	$NULL	POWERS DR	$NULL	BARRINGTON	$NULL	$NULL	16-FEB-1996	1	1	1	500	21	45	3	1	3	$NULL	01-JAN-0000	$NULL	12	YL	$NULL	$NULL	$NULL
406	62	015.0570	$NULL	ROCKY MTN LOG HOMES	$NULL	POWERS DR	$NULL	BARRINGTON	117	31	28-NOV-1995	1	1	1	502	18	40	3	1	9	2	28-NOV-1995	$NULL	4	YL	$NULL	$NULL	$NULL
1049	$NULL	015.0587	$NULL	TIM WADE BLDG CONTR	$NULL	POWERS DR	$NULL	BARRINGTON	117	33	28-SEP-1995	1	1	1	118	18	24	1	$NULL	5.5	6	28-SEP-1995	$NULL	124	$NULL	$NULL	$NULL	$NULL
143	78	015.0524	D.	RULEDGE	4	ROCKY POINT RD	$NULL	BARRINGTON	118	24	08-SEP-1994	1	1	1	160	13	40	3	1	20	$NULL	01-JAN-0000	$NULL	4	$NULL	$NULL	$NULL	$NULL
1713	97016	015.0613	J.	SHAW	$NULL	ROCKY POINT RD	$NULL	BARRINGTON	$NULL	LOT 11	28-APR-1997	1	1	1	120	50	70	3	1	20	$NULL	01-JAN-0000	$NULL	3	$NULL	$NULL	$NULL	$NULL
3	2482	015.0653	F. & P.	POTTER	116	ROCKY POINT RD	$NULL	BARRINGTON	10	116	14-NOV-1997	1	1	1	363	20	92	3	1	15	6	15-NOV-1997	$NULL	3-6	CM:OB(6)=ROTTEN ROCK 20-70'	$NULL	$NULL	$NULL
1712	64	015.0715	F.	KUNECK	$NULL	ROCKY POINT RD	$NULL	BARRINGTON	118	20	29-AUG-1998	1	1	1	150	5	20	1	$NULL	10	3	29-AUG-1998	$NULL	1	$NULL	$NULL	$NULL	$NULL
1085	1	015.1106	C.	OBY	2	ROCKY POINT RD	$NULL	BARRINGTON	$NULL	$NULL	14-NOV-2003	1	1	1	340	14	60	3	.5	5	$NULL	01-JAN-0000	$NULL	1	NON CONFORMING LOCATION	$NULL	$NULL	$NULL
253	81456	015.1422	$NULL	KING OAKS TONY FRANCIOSA	11	ROCKY POINT RD	$NULL	BARRINGTON	118	15	07-MAY-2008	1	1	1	165	2	40	3	1	12	9	07-MAY-2008	$NULL	2	$NULL	$NULL	$NULL	$NULL
253	07038	015.1363	D.	DAMHOUSSE	27	ROCKY POINT RD	$NULL	BARRINGTON	$NULL	$NULL	04-MAY-2007	1	1	1	305	8	40	3	1	6	17	04-MAY-2007	$NULL	4	$NULL	Y	$NULL	$NULL
406	794	015.0157	K.	SARGENT	$NULL	ROSEMARY LN	$NULL	BARRINGTON	11	149	30-MAR-1987	1	1	1	202	20	40	3	1	4	$NULL	01-JAN-0000	$NULL	1	$NULL	$NULL	$NULL	$NULL
644	555	015.0482	H.	MEATTEY	$NULL	ROSS RD	$NULL	BARRINGTON	249	15	25-JUN-1986	1	1	1	100	28	38	3	.5	30	$NULL	01-JAN-0000	$NULL	3	$NULL	$NULL	$NULL	$NULL
406	33-53	015.0521	J.	VAN DEN BOSCH	4	ROSS RD	$NULL	BARRINGTON	249	24	09-NOV-1994	1	1	1	315	30	40	3	1	3	$NULL	01-JAN-0000	$NULL	3	YL	$NULL	$NULL	$NULL
1712	41	015.0647	P.	PARISH	$NULL	ROSS RD	$NULL	BARRINGTON	249	19	28-NOV-1997	1	1	1	190	8	23	1	$NULL	8	15	28-NOV-1997	$NULL	2	YL	$NULL	$NULL	$NULL
1339	$NULL	015.1041	J	HASHEM	$NULL	ROSS RD	$NULL	BARRINGTON	011	0015	16-AUG-2000	1	1	1	120	30	40	1	$NULL	$NULL	$NULL	01-JAN-0000	$NULL	2-4	$NULL	$NULL	$NULL	$NULL
367	17	015.0051	R.	KEARSEY	$NULL	SHADY LN	$NULL	BARRINGTON	10	19	29-MAR-1988	1	1	1	400	4	20	3	.33	2	$NULL	01-JAN-0000	$NULL	1	$NULL	$NULL	$NULL	$NULL
177	129	015.0062	G.	GLODEN	$NULL	SHADY LN	$NULL	BARRINGTON	10	26AA	19-NOV-1984	1	1	1	120	8	21	3	$NULL	6	$NULL	01-JAN-0000	$NULL	1	$NULL	$NULL	$NULL	$NULL
177	362	015.0096	M.	STEVENS	$NULL	SHADY LN	$NULL	BARRINGTON	10	26 66	14-NOV-1985	1	1	1	305	12	21	3	$NULL	75	$NULL	01-JAN-0000	$NULL	6	CM:OB(6)=BOULDERS	$NULL	$NULL	$NULL
204	685	015.0128	R.	LEHOULLER	$NULL	SHADY LN	$NULL	BARRINGTON	10	26Z	15-MAY-1986	1	1	1	240	46	60	3	.5	10	4	15-MAY-1986	$NULL	34	$NULL	$NULL	$NULL	$NULL
177	587	015.0134	D.	LAWLER	$NULL	SHADY LN	$NULL	BARRINGTON	10	26-T	10-DEC-1986	1	1	1	420	15	30	3	$NULL	4	$NULL	01-JAN-0000	$NULL	12	$NULL	$NULL	$NULL	$NULL
204	994	015.0215	$NULL	DAVID WHITCHER BLDRS	$NULL	SHADY LN	$NULL	BARRINGTON	$NULL	26EE	01-JAN-0000	1	1	1	325	4	20	3	.75	4	10	11-SEP-1987	$NULL	12	$NULL	$NULL	$NULL	$NULL
1236	$NULL	015.0221	$NULL	FATHER & SON CONST	$NULL	SHADY LN	$NULL	BARRINGTON	$NULL	LOT 27	25-APR-1988	1	1	1	225	4	18	3	1	5	6	26-APR-1988	$NULL	2	$NULL	$NULL	$NULL	$NULL
406	1989	015.0334	S.	FOLES	$NULL	SHADY LN	$NULL	BARRINGTON	256	20	10-JUL-1990	1	1	1	302	12	20	3	.67	3	$NULL	01-JAN-0000	$NULL	1	$NULL	$NULL	$NULL	$NULL
302	24	015.0459	K.	DUDZIK	$NULL	SHADY LN	$NULL	BARRINGTON	256	24	05-OCT-1993	1	1	1	400	5	15	3	.5	1.5	30	05-OCT-1993	$NULL	3	$NULL	$NULL	$NULL	$NULL
253	98140	015.0708	$NULL	STEVE MILLER BUILDERS	$NULL	SHADY LN	$NULL	BARRINGTON	$NULL	LOT 25A	07-OCT-1998	1	1	1	185	19	42	3	1	8	20	07-OCT-1998	Y	2	$NULL	$NULL	$NULL	$NULL
225	00200	015.0808	$NULL	ROGER CUSSINS BLDG CONT	$NULL	SHADY LN	$NULL	BARRINGTON	256	19	28-JUL-2000	1	1	1	300	4	41	3	1	75	40	28-JUL-2000	$NULL	23	YL	$NULL	$NULL	$NULL
225	00200	015.0812	M.	MAHOKIN	$NULL	SHADY LN	$NULL	BARRINGTON	010	13	28-JUL-2000	1	1	1	300	4	41	3	1	75	40	28-JUL-2000	$NULL	23	YL	$NULL	$NULL	$NULL
225	01111	015.0853	$NULL	ROBERT LEACH BUILDER LLC	$NULL	SHADY LN	$NULL	BARRINGTON	256	32	09-MAY-2001	1	3	1	540	$NULL	$NULL	3	1	4.5	$NULL	01-JAN-0000	$NULL	6	YL	$NULL	$NULL	$NULL
253	71561	015.1400	R.	LEACH	7	SHADY LN	$NULL	BARRINGTON	$NULL	$NULL	04-OCT-2007	1	1	1	225	5	140	3	1	30	21	04-OCT-2007	$NULL	23	$NULL	$NULL	$NULL	$NULL
457	73-88	015.0226	T.	BELMONT	$NULL	SHERBORNE RD	$NULL	BARRINGTON	262	39	25-APR-1988	1	1	1	425	5	20	3	1	1.5	$NULL	01-JAN-0000	$NULL	24	YL	$NULL	$NULL	$NULL
457	261-88	015.0263	T. & A.	KOVALCIK	$NULL	SHERBORNE RD	$NULL	BARRINGTON	262	40	28-NOV-1988	1	1	1	300	7	22	3	1	4	$NULL	01-JAN-0000	$NULL	14	YL	$NULL	$NULL	$NULL
1236	$NULL	015.0272	C.	ZANELLIS	$NULL	SHERBORNE RD	$NULL	BARRINGTON	262	44	01-MAY-1989	1	1	1	285	6	16	3	1	5	9	02-MAY-1989	$NULL	1	$NULL	$NULL	$NULL	$NULL
177	85	015.0301	J.	PEEL	$NULL	SHERBORNE RD	$NULL	BARRINGTON	$NULL	LOT 8	21-SEP-1989	1	1	1	300	8	34	3	$NULL	3	$NULL	01-JAN-0000	$NULL	2	$NULL	$NULL	$NULL	$NULL
225	00167	015.0807	$NULL	TIOGA HOMES	$NULL	SHERBORNE RD	$NULL	BARRINGTON	$NULL	$NULL	06-JUL-2000	1	1	1	260	23	42	3	1	9	$NULL	01-JAN-0000	$NULL	12	YL	$NULL	$NULL	$NULL
406	126	015.0039	B.	TREFETHEN	$NULL	STADIG RD	$NULL	BARRINGTON	10	$NULL	05-NOV-1984	1	1	1	170	52	61	3	.5	5	$NULL	01-JAN-0000	$NULL	4	YL	$NULL	$NULL	$NULL
3	6	015.0004	$NULL	BRITTON	$NULL	VALENTINE DR	$NULL	BARRINGTON	$NULL	$NULL	28-MAR-1984	1	1	1	225	15	32	3	.5	2.5	$NULL	01-JAN-0000	$NULL	3	$NULL	$NULL	$NULL	$NULL
406	2276	015.0402	T.	EATON	$NULL	WOODHAVEN DR	$NULL	BARRINGTON	117	38	18-DEC-1991	1	2	1	120	8.5	20	3	.5	60	$NULL	01-JAN-0000	$NULL	1	$NULL	$NULL	$NULL	$NULL
1	1-9320	015.1286	$NULL	GRAYSTONE BUILDERS	$NULL	WOODHAVEN DR	$NULL	BARRINGTON	114	0018	07-AUG-2006	1	1	1	200	18	40	3	.5	11	12	16-AUG-2006	$NULL	4	$NULL	$NULL	$NULL	$NULL
1	1-9389	015.1290	$NULL	GRAYSTONE BUILDERS	$NULL	WOODHAVEN DR	$NULL	BARRINGTON	$NULL	0019	25-SEP-2006	1	1	1	300	15	40	3	.5	4	10	27-SEP-2006	$NULL	4	$NULL	$NULL	$NULL	$NULL
406	287	015.0070	J.	LECLAIR	$NULL	YOUNG RD	$NULL	BARRINGTON	8	170	04-SEP-1985	1	1	1	102	13	21	3	.75	9	$NULL	01-JAN-0000	$NULL	2	$NULL	$NULL	$NULL	$NULL
644	4985	015.0081	M.	PAGE	$NULL	YOUNG RD	$NULL	BARRINGTON	7	188-4	09-APR-1985	1	1	1	305	32	40	3	2	1.5	0	01-JAN-0000	$NULL	3	YL	$NULL	$NULL	$NULL
1236	$NULL	015.0102	E.	ELLIOT	$NULL	YOUNG RD	$NULL	BARRINGTON	8	47	10-APR-1986	1	2	1	185	4	12	3	1	5	10	11-APR-1986	$NULL	1	$NULL	$NULL	$NULL	$NULL
406	756	015.0155	R.	CLEMENT	$NULL	YOUNG RD	$NULL	BARRINGTON	8	59	22-FEB-1987	1	$NULL	1	302	20	42	3	.75	50	$NULL	01-JAN-0000	$NULL	1	YL	$NULL	$NULL	$NULL
5	140	015.0271	S.	O'CONNOR	$NULL	YOUNG RD	$NULL	BARRINGTON	$NULL	$NULL	10-MAY-1989	1	2	1	365	30	80	3	2.5	15	10	11-MAY-1989	$NULL	4	$NULL	$NULL	$NULL	$NULL
302	23	015.0345	K.	GRANT	$NULL	YOUNG RD	$NULL	BARRINGTON	$NULL	$NULL	31-OCT-1990	1	1	1	220	25	41	3	.5	7	25	31-OCT-1990	$NULL	3	$NULL	$NULL	$NULL	$NULL
3	01660	015.0415	B.	RICKER	103	YOUNG RD	$NULL	BARRINGTON	241	5	24-SEP-1992	1	3	1	522	$NULL	$NULL	3	1	7	$NULL	01-JAN-0000	Y	$NULL	$NULL	$NULL	$NULL	$NULL
3	02282	015.0600	R.	BERGER	46	YOUNG RD	$NULL	BARRINGTON	113	28	13-SEP-1996	1	1	1	161	14	41	3	1	40	$NULL	01-JAN-0000	Y	3	$NULL	$NULL	$NULL	$NULL
1712	29	015.0621	D.	SCOTT	183	YOUNG RD	$NULL	BARRINGTON	240	16	30-JUN-1997	1	1	1	150	6	22	1	$NULL	5	0	30-JUN-1997	$NULL	3	$NULL	$NULL	$NULL	$NULL
249	828BA	015.0687	$NULL	BELL ATLANTIC	$NULL	YOUNG RD	$NULL	BARRINGTON	$NULL	$NULL	28-AUG-1998	9	0	0	103	4	13	3	.5	1	$NULL	01-JAN-0000	$NULL	2	CM:RSN,TYPE(0)=GROUNDING	$NULL	$NULL	$NULL
406	4368	015.0701	D.	CULBERT	33	YOUNG RD	$NULL	BARRINGTON	115	51	01-OCT-1998	1	1	1	340	9	40	3	.5	50	7	01-OCT-1998	$NULL	3	YL	$NULL	$NULL	$NULL
59	59-828-01	015.0866	A.	DEMERS	$NULL	YOUNG RD	$NULL	BARRINGTON	241	3	18-DEC-2001	1	2	1	425	25	40	3	2	1.5	30	19-DEC-2001	$NULL	1	YL	$NULL	$NULL	$NULL
1236	$NULL	015.0890	K.	VENO	$NULL	YOUNG RD	$NULL	BARRINGTON	113	43	07-OCT-2001	1	2	1	440	6	40	3	.5	.5	$NULL	01-JAN-0000	$NULL	1	$NULL	$NULL	$NULL	$NULL
1715	$NULL	015.0926	S.	LAFFEAR	$NULL	YOUNG RD	$NULL	BARRINGTON	116	2	22-JUL-2001	1	1	1	625	6	36	3	1	3.5	2	23-JUL-2001	Y	4	$NULL	$NULL	$NULL	$NULL
406	$NULL	015.1075	$NULL	LEE	23	YOUNG RD	$NULL	BARRINGTON	116	20 & 21	26-MAY-2003	1	1	1	500	9	40	3	1.25	1.5	13	30-MAY-2003	$NULL	3	YL	$NULL	$NULL	$NULL
1	1-8182	015.1140	$NULL	ERIC ARCHAMBAULT BUILDER	$NULL	YOUNG RD	$NULL	BARRINGTON	115	52	15-JUL-2004	1	1	1	220	8	41	3	1	8	$NULL	01-JAN-0000	$NULL	2	$NULL	$NULL	$NULL	$NULL

N.H. GEOLOGICAL SURVEY WATER WELL DATA SUMMARY

LICENSE NUMBER	WELL NUMBER	WRB#	FIRST NAME	LAST NAME	ST#	ROAD	ROAD2	TOWN	MAP	PARCEL OR SUBDIVISION LOT	Well Completion Date	USE	REASON	TYPE	Total Depth	Depth to Bedrock	Casing Length	YTM	YTD	YIELD GPM	Static Water Level	DATE MEASURED	WATER QUALITY TEST	OVER BURDEN	Note	GROUTED	Hydro-Fracture	HF YIELD BEFOR
253	04282	015.1185	L.	ERICKSON	$NULL	YOUNG RD	$NULL	BARRINGTON	$NULL	LOT 40B	11-NOV-2004	1	1	1	205	9	42	3	1	8	18	11-NOV-2004	$NULL	12	$NULL	$NULL	$NULL	$NULL
4	4-3831	015.1312	B. & K.	RICKER	101	YOUNG RD	$NULL	BARRINGTON	241-0004	101	17-NOV-2006	1	1	1	620	25	101	3	1	7	20	01-JAN-2007	Y	3	FD NC WQ=SEACOAST ANALYTICA	$NULL	Y	2

N.H. GEOLOGICAL SURVEY WATER WELL DATA SUMMARY

ROAD	FIRST NAME	LAST NAME	LICENSE NUMBER	WELL NUMBER	WRB#	ST#	TOWN	MAP	PARCEL OR SUBDIVISION LOT	Well Completion Date	USE	REASON	TYPE	Total Depth	Depth to Bedrock	Casing Length	YTM	YTD	YIELD GPM	Static Water Level	DATE MEASURED	WATER QUALITY TEST	OVER BURDEN	GROUTED	Hydro-Fracture	HF YIELD BEFORE	ELEVATION	LOCENT	LOCACC	DECMINX	DECMINY	LATITUDE	LONGITUDE
SERA DR	$NULL	FOUR STAR BUILDERS	253	81515	015.1437	18	BARRINGTON	262	14-18	10-OCT-2008	1	1	1	305	51	70	3	1	15	27	10-OCT-2008	$NULL	2-4	$NULL	$NULL	$NULL	$NULL	5	52	7102.033	4310.604	$NULL	$NULL
SERA LN	$NULL	PATCO CONSTRUCTION	644	$NULL	015.1429	$NULL	BARRINGTON	262-14	3 LOT 3	05-NOV-2008	1	1	1	300	42	75	3	.75	3	$NULL	$NULL	$NULL	3	$NULL	$NULL	$NULL	$NULL	5	52	7102.103	4310.642	$NULL	$NULL
SERA LN	$NULL	FOUR STAR BUILDERS	253	81457	015.1423	$NULL	BARRINGTON	262	001	09-MAY-2008	1	1	1	405	32	60	3	1	8	26	09-MAY-2008	$NULL	4	$NULL	$NULL	$NULL	$NULL	5	52	$NULL	$NULL	431037	710202

USER'S GUIDE FOR WELL COMPLETION REPORT DATA SUMMARIES [rev. 4/9/2008]

Attribute	Explanation	Data Type, Codes and Definitions	Data Entry Conventions
LICENSE_NUMBER	Well driller's license number	Number (10)	driller's license no.
WELL#	Well # Assigned by Driller	Text (14)	sequence no.
WRB#	Water Resources Board I. D. number	Text (10)	[3-digit numeric town code]-[4-digit sequence no.] town code must include leading zeros
ELEV	Elevation	Number (5)	in feet above sea level
LATITUDE	Latitude	Number (8,2)	6 digit number for degrees, minutes, and seconds with leading zeros included (Datum:NAD27)
LONGITUDE	Longitude	Number (8,2)	6 digit number for degrees, minutes, and seconds with leading zeros included (Datum:NAD27)
LOCENT	Entity responsible for determining location	Number (5) 1 = NHDES staff 2 = USGS 3 = EPA 4 = Subcontractor 5 = Water well contractor 6 = Other State of NH Personnel 7 = DOT (NAD 83)	
LOCACC	Estimate of the relative Accuracy of coordinate values	Number (5) 1 =location self-reported by the facility or well owner, plotted on a 7.5-minute quadrangle, and hand-scaled	

Attribute	Explanation	Data Type, Codes and Definitions
LOCACC (continued)	Estimate of the relative Accuracy of coordinate values	1 =location self-reported by the facility or well owner, plotted on a 7.5-minute quadrangle, and hand-scaled. Well location plotted 300' or less outside GIS town boundaries. 2 = Location derived by remote desktop GIS methods 21 - Location derived by remote desktop GIS methods, utilizing digital orthophotography, digital tax maps, etc. Polygons representing discrete parcels were navigated to on an individual basis and the well placement determined by the GIS technician utilizing the best available information 22 - Location derived by remote desktop GIS methods, well placement automated utilizing the polygon centroid of the parcel 23 - Well placement based on E-911 data 28 - Location derived by remote desktop GIS method. Well location plotted 300' or less outside GIS town boundaries. 29 - Location derived by remote desktop GIS method utilizing Google Earth and street address 3 = field-verified location, plotted on a 15-minute quadrangle, and digitized. 38 = field-verified location, plotted on a 15-minute quadrangle, and digitized. Well location plotted 300' or less outside GIS town boundaries. 4 = field-verified location, plotted on 7.5-minute quadrangle, and digitized. 48 - field-verified location, plotted on 7.5-minute quadrangle, and digitized. Well location plotted 300' or less outside GIS town boundaries. 5 = location based on autonomous global positioning satellite readings. 51 - located while selective availability was still active (before May 02, 2000) 52 - located after selective availability was turned off (on or after May 02, 2000) 58 - location based on autonomous global positioning satellite readings. Well location plotted 300' or less outside GIS town boundaries. 59 - unable to identify datum / system settings 6 = location based on differential global positioning satellite readings collected at a site offset from the wellhead. 61 - located while selective availability was still active (before May 02, 2000) 62 - located after selective availability was turned off (on or after May 02, 2000)

Attribute	Explanation	Data Type, Codes and Definitions	
LOCACC (continued)	Estimate of the relative Accuracy of coordinate values	68 - location based on differential global positioning satellite readings collected at a site offset from the wellhead. Well location plotted 300' or less outside GIS town boundaries. 7 = location based on differential global positioning satellite readings collected at a site offset from the wellhead with a correction for the offset applied. 71 - located while selective availability was still active (before May 02, 2000) 72 - located after selective availability was turned off (on or after May 02, 2000) 8 = location based on differential global positioning satellite readings collected at the wellhead. 81 - located while selective availability was still active (before May 02, 2000) 82 - located after selective availability was turned off (on or after May 02, 2000) 88 - location based on differential global positioning satellite readings collected at the wellhead. Well location plotted 300' or less outside GIS town boundaries. 9 = unknown. 98 – Accuracy suspect but unable to determine that the coordinates are incorrect.	
FNAME	First name of well owner	Text (15)	first initial of homeowner
LNAME	Well Owner, etc.	Text (26)	last name for individuals; complete name for contractors or companies (consult "dictionary" for accepted abbreviations)
ST_NUMBER	Street Number	Text (4)	street number where well is located
ROAD	Address of well location	Text (40)	street name or reference point (consult "dictionary" for accepted abbreviations)
ROAD2	Address of well location	Text (40)	other street name if applicable
TOWN	Town in which well is located	Text (45)	complete name of town (no abbreviations allowed)

Attribute	Explanation	Data Type, Codes and Definitions	Data Entry Conventions
MAP	Map page number as recorded on the town's tax map	Text (10)	varies according to the coding system in use by a particular town; prefix BLK- indicates block #
PARCEL	Parcel identifier as recorded the town's tax map	Text (12)	varies according to the coding system in use by a particular town
DCOMP	Date well was completed	Date	8-digit format dd-mon-yyyy with leading zeros included
USE	Proposed use of well	Text (1) 0=other 1=domestic 2=small community water supply 3=municipal 4=commercial 5=industrial 6=agricultural 7=institutional 8=test/exploration 9=abandoned	
REASON	Reason for constructing well	Text (1) 0=other 1=new 2=replace existing 3=deepen existing 4=provide additional supply 5=monitoring (water level measurement or water quality sampling) 6=stratigraphic observation only	

Attribute	Explanation	Data Type, Codes and Definitions	Data Entry Conventions
TYPE	Type of well	Text (1) 0=other 1=drilled in bedrock 2=drilled in gravel 3=dug 4=auger hole (any uncased hole) 5=driven point 6=wash well 7=undifferentiated	
TOTD	Total depth of well	Number (6,2)	in feet below land surface datum
BDKD	Depth to bedrock	Number (6,2)	in feet below land surface datum
CASING	Total length of casing installed in well	Number (6,2)	in feet
YTM	Yield test method	Text (1) 1=bailed 2=pumped 3=compressed air	
YTD	Yield test duration	Number (8,2)	in hours
YTQ	Discharge	Number (8,2)	in gallons per minute
SWL	Static water level	Number (8,2) 0 = overflowing 1 = at ground level	in feet below land surface datum
DMEAS	Date static water level was measured	Date	8-digit format dd-mon-yyyy with leading zeros included

Attribute	Explanation	Data Type, Codes and Definitions	Data Entry Conventions
OB	Type of overburden material	Text (16) 0=exposed bedrock 1=sand 2=gravel 3=till 4=clay 5=mixed 6=other	Codes are entered layer by layer in the sequence reported in the **WELL LOG;** successive layers are separated by a hyphen (for example, 12-4 indicates a sand and gravel layer overlying a clay layer; mixed is used if 1 through 4 are recorded on the same line; if “6” is used, an explanation is included as a comment under the attribute **NOTE)**
HYDRO_FRACT	Hydrofractured	Text (1) Y=“Yes” Null Value (-0-)=“No” or not reported	
HF_YIELD_BEFORE	Yield before hydrofracturing	Number (8,2)	in gallons per minute
GROUTED	Grouted	Text (1) Y=“Yes” Null Value (-0-)=“No” or not reported	
NOTE	Special notes	Text (36) YL=yield log SN=screen information GP=gravel pack DD=drawdown measurements DL=detailed log HF=hydrofracture CM=comments NC=non conforming well location HFD= hydro-fracture details WQ = water quality	

"CM:" is used to explain any attribute coded as "other" [ie., CM:USE(0)=fire protection]

THE FOLLOWING ADDITIONAL CONVENTIONS APPLY AS NOTED:

1) no periods are permitted to follow abbreviations within text fields, except in the case of NAME where a period is required after the first initial
2) any attribute coded as "other" must be explained by means of a comment under NOTE; however, the code for any attribute can be qualified using a comment expressed in the standard format CM:attribute(code)=explanation as illustrated above
3) the 2 & 3-character NOTE codes must always be given in the order listed above and separated by a single space whenever multiple codes are needed (ie. SN GP and not GP SN)

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Appendix B

Fracture Orientation Summary

Appendix B

Fracture Orientation Summary

Tibbetts Road Site

Barrington, NH

Bedrock Well	Ground Surface Elevation (ft msl)	Fracture Depth Below Grade (ft)	Fracture Elevation (ft msl)	Fracture Strike (Quad)	Fracture Strike (Azimuth)	Dip Direction	Dip Direction (Azimuth)	Fracture Dip (degree from horizontal)
61R	326.6	76.5	250					
(aka B-2D)		85	242	N33W	327	W	237	81
		91	236					
		94	233					
		105	222	N30E	30	W	300	50
		108	219	N60W	300	E	30	74
		111	216	N65E	65	W	335	58
		123	204					
		127	200	N10W	350	W	260	45
		136	191	N05W	355	W	265	51
		143	184					
		190	137					
		195	132					
		201.5	125	N80W	280	W	190	33
63R	324.8	86	239	N15W	345	E	75	15
(aka B-3D)		89	236	N60W	300	W	210	69
		94.5	230	N30W	330	W	240	18
		96.5	228	N45W	315	W	224	67
		115	210	N30E	30	W	300	19
		130	195					
		137	188	N30E	30	E	120	23
		140	185					
		143	182					
		148	177	N15W	345	E	75	13
		150	175	N45E	45	E	135	51
		151	174					
		157	168	N15E	15	W	285	53
		162.5	162	N25E	25	W	295	53
		165	160	N30E	30	W	300	53
		182.5	142	N65E	65	E	155	12
		200	125					
65R	328.1	70	258					
(aka B-4D)		99	229					
		102	226					
		104	224	N60W	300	E	30	36
		110	218	N75E	75	W	345	44
		111	217					
		113	215	N15E	15	W	285	59
		119	209	N30E	30	W	300	28
		125	203	N55W	305	W	215	12
		127	201	N30E	30	W	300	66
		129	199					
		131	197					
		133	195	N30E	30	W	300	59
		148.5	180	N75E	75	W	335	65
		187	141	N45E	45	W	315	41
		201	127					
67R	330.8	83	248					
(aka B-5D)		85	246	N25E	25	W	295	66
		93	238	N45E	45	E	135	70
		103	228	N45E	45	E	135	83
		116	215	N40E	40	W	310	63

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Tibbetts Road Site
Barrington, NH

Bedrock Well	Ground Surface Elevation (ft msl)	Fracture Depth Below Grade (ft)	Fracture Elevation (ft msl)	Fracture Strike (Quad)	Fracture Strike (Azimuth)	Dip Direction	Dip Direction (Azimuth)	Fracture Dip (degree from horizontal)
		125	206	N75E	75	E	165	67
		130	201					
		149	182					
		154	177	N85W	275	E	5	24
		164	167					
59R	328.3	64	264					
		74	254	N20W	340	W	250	77
		98	230					
		103	225					
		106.5	222	N5W	355	W	265	39
		109	219	N10E	10	E	100	22
		110	218	N5W	355	E	85	17
		114.5	214	N35W	325	E	55	11
		120	208	N10W	350	W	260	58
		150	178					
		153	175					
		157	171	N65W	295	W	205	61
		178	150					
		204	124	N55W	305	W	215	58
32R	295.8	39	257					
		40	256					
		41	255					
		48	248					
		54	242					
		62	234					
		64	232	N55W	305	E	35	53
		76	220	N40W	320	E	50	42
		80	216					
		85	211					
		85.5	210	N35E	35	E	125	67
		100	196	N5W	355	W	265	42
		105	191					
		113	183	N30E	30	E	120	72
		117	179	N75W	285	W	195	77
		120	176					
		126	170	N35E	35	W	305	82
		164.5	131	N5W	355	E	85	42
		183	113	N15E	15	E	105	13
		217.5	78	N15W	345	E	75	13
33R	307.8	23	285					
		28	280	N60W	300	W	210	29
		31	277					
		36	272	N40E	40			
		38	270					
		47	261	N40E	40	E	130	42
		51	257					
		55	253	N50E	50	W	320	23
		59	249	N85W	305			
		67	241					
		72	236					
		83	225					
		91	217					
		91	217	N45E	45	W	315	59

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Fracture Orientation Summary
Tibbetts Road Site
Barrington, NH

Bedrock Well	Ground Surface Elevation (ft msl)	Fracture Depth Below Grade (ft)	Fracture Elevation (ft msl)	Fracture Strike (Quad)	Fracture Strike (Azimuth)	Dip Direction	Dip Direction (Azimuth)	Fracture Dip (degree from horizontal)
		116	192	N5W	355	E	85	23
		120.5	187	N75E	75	W	345	42
		122.5	185	N55E	55	W	325	23
		135	173	N45E	45	E	135	59
		141	167	N55E	55	E	145	55
		144	164	N85W	275	W	185	18
		150.5	157	N15E	15	W	285	42
		153.5	154	N10E	10	W	280	79
		159	149					
		164	144					
		174	134					
		189	119	N15W	345	W	255	6
		191	117					
		199	109					
		201.5	106	N10W	350	W	260	23
		209	99					
		219	89	N5W	355	W	265	33
34R	326.7	60	267	N45E	45	E	135	37
		71	256	N25E	25	W	295	51
		95.5	231	N30W	330	E	60	45
		101	226	N70W	290	E	20	74
		101	226	N35W	325	E	55	45
		105	222	N45W	315	W	225	27
		108.5	218	N75E	75	W	345	45
		115	212	N25W	335	E	65	80
		125	202					
		129	198	N30W	330	E	60	84
		133	194					
		137.5	189	N15W	345	E	75	73
		142	185	N15W	345	W	255	74
		145	182	N25W	335	E	65	27
		145	182	N10W	350	W	80	72
		161	166					
		163	164	N30E	30	E	120	27
		168	159					
		183	144					
		192	135					
		212.5	114	N75E	75	W	345	28
		218.5	108	N20W	340	E	70	28
esidential Wells								
1R	326.3	22	304					
		25	301					
		29	297	N15W	345	W	255	42
		39	287					
		41	285	N85W	275	E	5	42
		49.5	277					
		51	275	N55E	55	E	145	19
		55.5	271	N85W	275	E	5	64
		57	269	N30E	30	E	120	24
		59	267	N60W	300	E	30	30
		71.5	255	N15W	345	E	75	25
		89.5	237					
		111	215					
		118	208					
		131	195					

Appendix B

Fracture Orientation Summary

Tibbetts Road Site

Barrington, NH

Bedrock Well	Ground Surface Elevation (ft msl)	Fracture Depth Below Grade (ft)	Fracture Elevation (ft msl)	Fracture Strike (Quad)	Fracture Strike (Azimuth)	Dip Direction	Dip Direction (Azimuth)	Fracture Dip (degree from horizontal)
2R	327.1	53.5	273.6	N25W	335	W	245	80
		54	273.1	N35W	325	W	235	77
		59	268.1	N35W	325	W	235	83
		61	266.1	N25W	335	W	245	89
		70	257.1					
		74	253.1	N35W	325	W	235	88
		77	250.1					
		80	247.1					
		83	244.1	N85E	85	E	175	25
		105	222.1					
		135	192.1					
		175	152.1					
		183	144.1					
		185	142.1	N5E	5	E	95	31
		280	47.1					
		292	35.1					
		303	24.1					
		322	5.1					
		327.5	-0.4	N55E	55	E	145	58
		344.5	-17.4	N60W	330	W	240	20
4R	320.7	51	269.7					
		51	269.7					
		54	266.7					
		55	265.7					
		56	264.7					
		57	263.7					
		58	262.7					
		59	261.7					
		60	260.7	N55W	305	E	35	24
		61.5	259.2					
		63	257.7					
		64	256.7	N15E	15	E	105	24
		66	254.7					
		68	252.7					
		102	218.7					
		103	217.7	N65E	65	W	335	24
		104.5	216.2	N65E	65	W	335	24
		106	214.7	N35W	325	E	55	13
		113	207.7	N85E	85	W	355	76
5R	326.5	70	256.5					
		72.5	254	N45W	315	E	45	30
		88.5	238	N15E	15	W	315	81
		90.5	236					
		91	235.5	N45W	315	W	225	84
		96	230.5	N15E	15	W	285	30
		109	217.5					
		114	212.5					
		139	187.5					
		148	178.5	N55E	55	W	325	68
		156	170.5					
		160	166.5					
		171	155.5	N35W	325	E	55	35
		177	149.5					

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Fracture Orientation Summary

Tibbetts Road Site

Barrington, NH

Bedrock Well	Ground Surface Elevation (ft msl)	Fracture Depth Below Grade (ft)	Fracture Elevation (ft msl)	Fracture Strike (Quad)	Fracture Strike (Azimuth)	Dip Direction	Dip Direction (Azimuth)	Fracture Dip (degree from horizontal)
		178	148.5	N15E	15	W	285	25
		189.5	137	N25W	335	W	245	79
		191	135.5	N40W	320	W	230	88
		200	126.5	N45E	45	W	315	35
		203	123.5					
		209.5	117	N55E	55	W	325	59
		223	103.5					
		227	99.5	N50W	310	E	40	35
		229.5	97	N45W	315	E	45	38
		230	96.5	N65W	295	E	25	56
		231	95.5	N80W	280	E	10	73
		233	93.5					
6R	323.6	26.5	297.1					
		30	293.6	N25W	335	W	245	3
		32	291.6					
		35	288.6	N65E	65	W	335	76
		53	270.6					
		69	254.6					
		74	249.6					
		77	246.6					
		133	190.6					
		180	143.6					
		195.5	128.1	N5E	5	E	95	36
		203	120.6					
		207	116.6	N5E	5	E	95	36
		211	112.6	N25E	25	E	115	36
		213	110.6	N25E	25	E	115	62
		215.5	108.1	N5W	355	E	85	51
		217	106.6	N30E	30	E	120	57
		219	104.6	N45W	315	E	45	31
		222	101.6	N5E	5	E	95	57
		223.5	100.1	N35W	325	E	55	51
		223.5	100.1	N15W	345	E	75	36
		227	96.6	N15E	15	E	105	44
		230	93.6					
		235	88.6					
8R		20						
		28		N5E	5	W	275	42
		30						
		33						
		35		N75W	285	W	195	33
		41						
		48						
		50						
		60		N5W	355	W	265	69
		72						
		84.5		N5E	5	W	275	23
		119						
		120		N65W	295	E	15	42
		122						
		136		N65W	295	E	15	24
		137		N45W	315	E	45	29
		149.5		N35W	325	E	55	24
		151		N25W	335	E	65	24

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Tibbetts Road Site

Barrington, NH

Bedrock Well	Ground Surface Elevation (ft msl)	Fracture Depth Below Grade (ft)	Fracture Elevation (ft msl)	Fracture Strike (Quad)	Fracture Strike (Azimuth)	Dip Direction	Dip Direction (Azimuth)	Fracture Dip (degree from horizontal)
		153						
		155.5		N85E	85	W	355	18
		156.5		N45W	315	E	45	24
		159		N75W	285	E	15	12
		161						
		166						
13R		15						
		25						
		28						
		33						
		39						
		46						
		54						
		56						
		60.5		N85W	275	E	5	61
		67						
		76						
		80						
		89		N60W	300	E	30	67
		98		N85W	275	E	5	66
		103.5		N75E	75	W	345	36
		109		N30E	30	E	120	7
		112		N55E	55	W	325	84
		116		N85E	85	W	355	74
		120		N25E	25	E	115	25
		123.5		N55E	55	W	325	84
		135.5		N5E	5	W	275	44
		138		N5E	5	W	275	62
14R		73		N85W	275	E	5	25
		93		N85E	85	E	175	30
		98						
20R	326.1	41	285.1					
		44	282.1					
		47.5	278.6	N5W	355	W	265	13
		49.5	276.6	N15W	345	E	75	31
		55	271.1					
21R	326.1	50	276.1	N60W	300	E	30	13
		55	271.1					
		81	245.1					
		84	242.1	N25E	25	W	295	81
		102	224.1					
		122	204.1	N35W	325	E	55	31
		132	194.1	N5E	5	W	275	25
		148.5	177.6	N55E	55	W	325	57
		191	135.1					
		199	127.1					
		208.5	117.6	N85W	275	W	185	44
		210.5	115.6	N25E	25	W	295	77
		211	115.1	N25E	25	W	295	62
		225	101.1					
		250	76.1					

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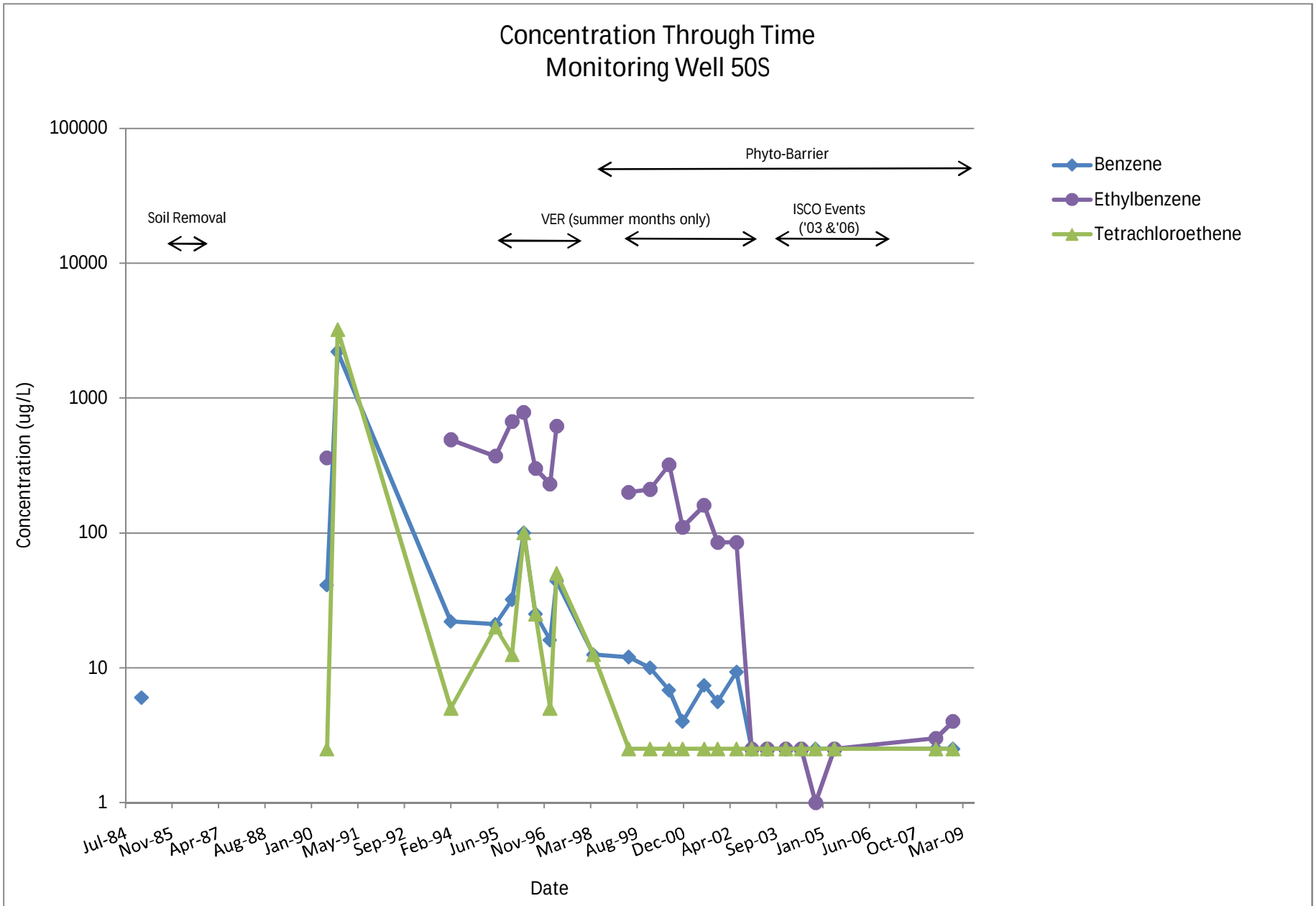
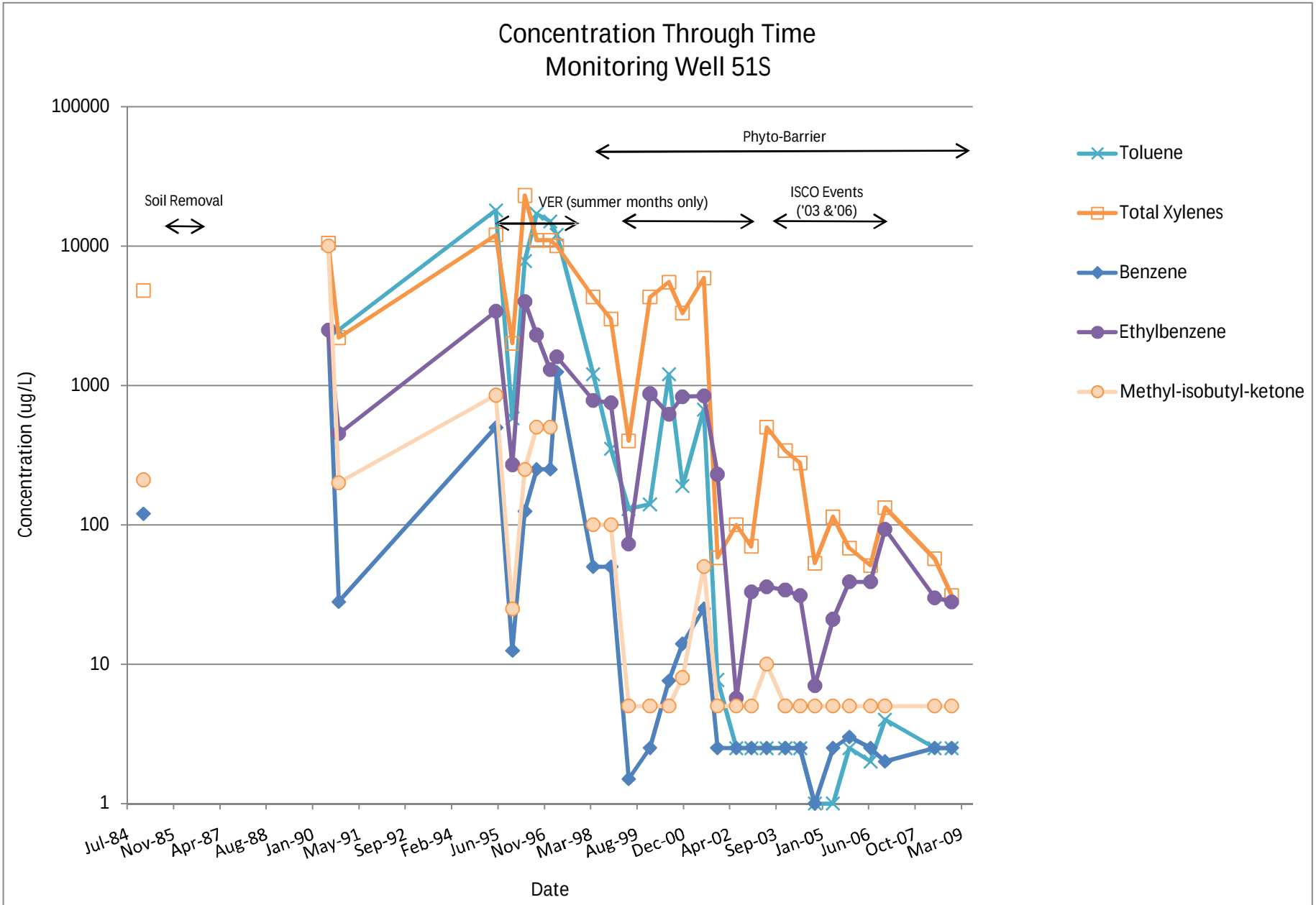
Appendix C

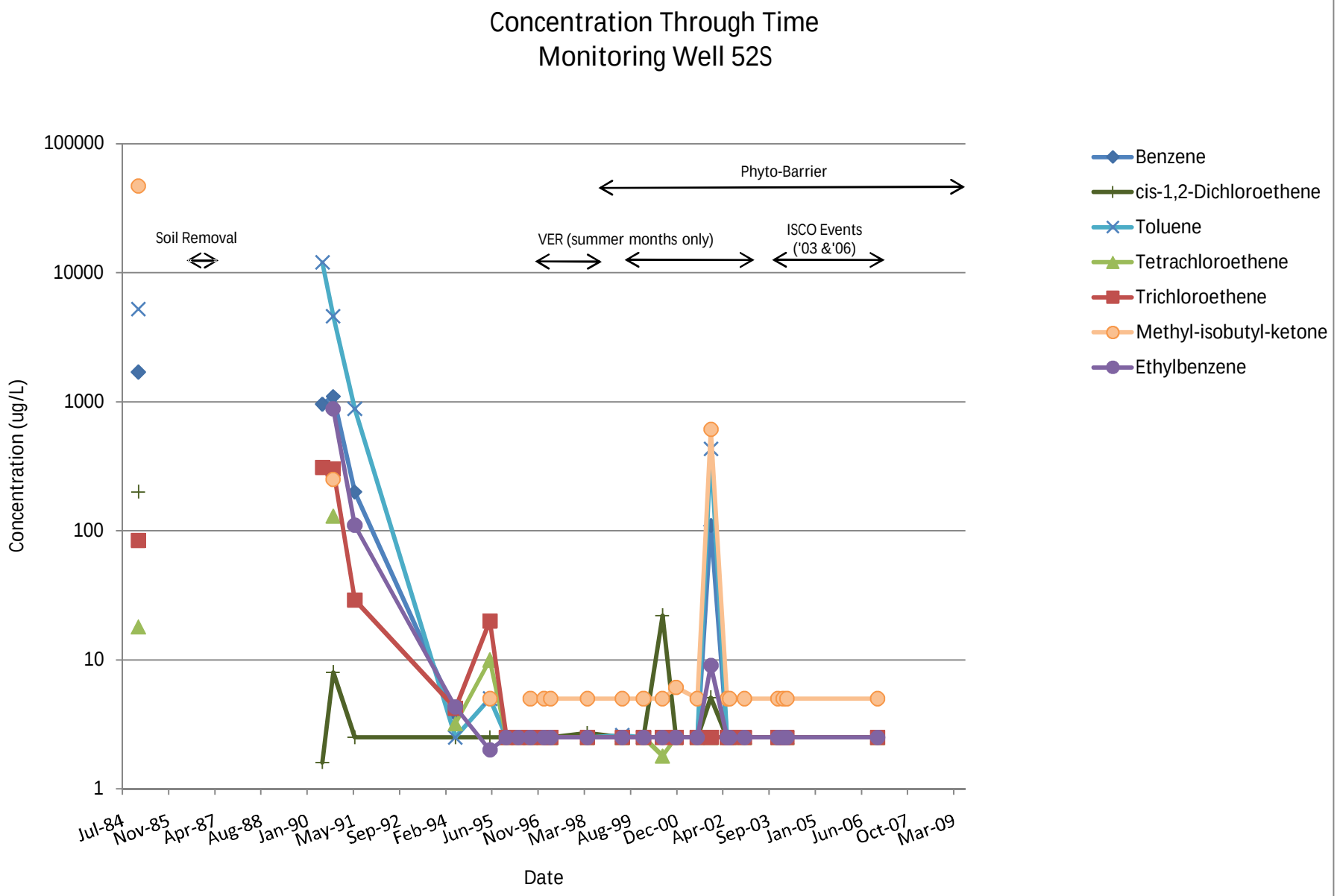
Concentration Trend Charts for Overburden Wells



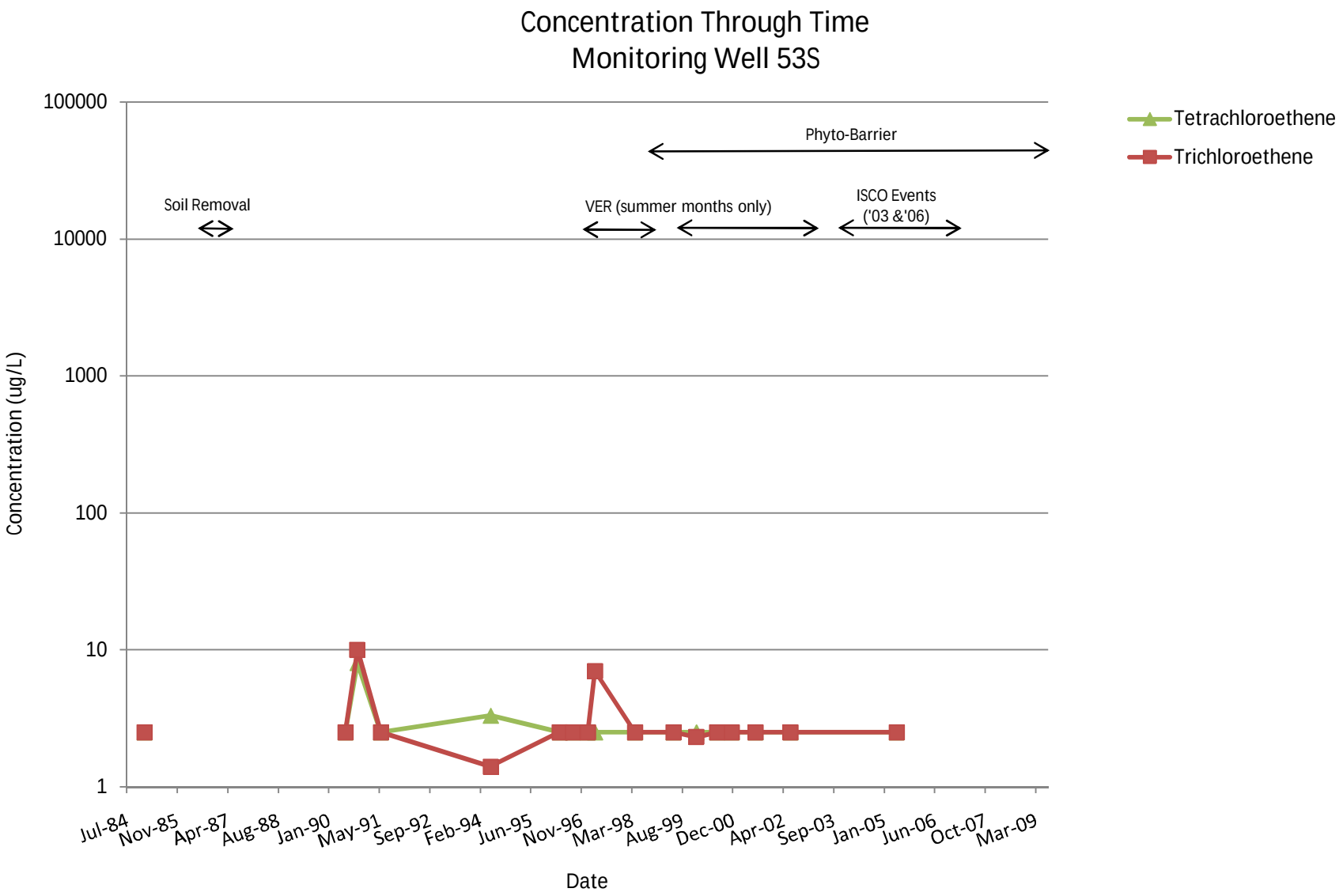
Note: Chart depicts compounds with historical exceedances of the ICL. Analytical results less than the laboratory detection limit are plotted as one-half the detection limit.



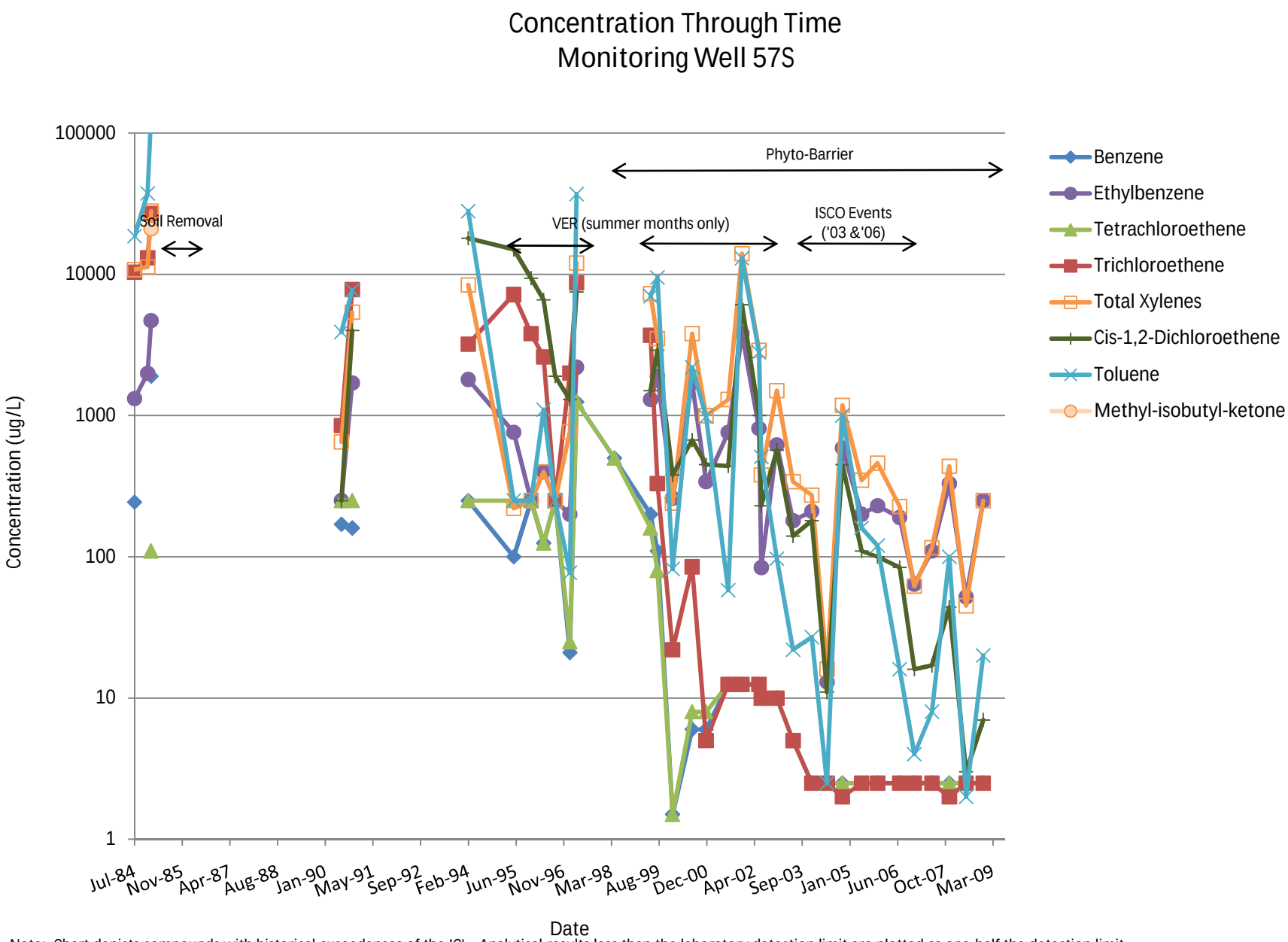
Note: Chart depicts compounds with historical exceedances of the ICL. Analytical results less than the laboratory detection limit are plotted as one-half the detection limit.



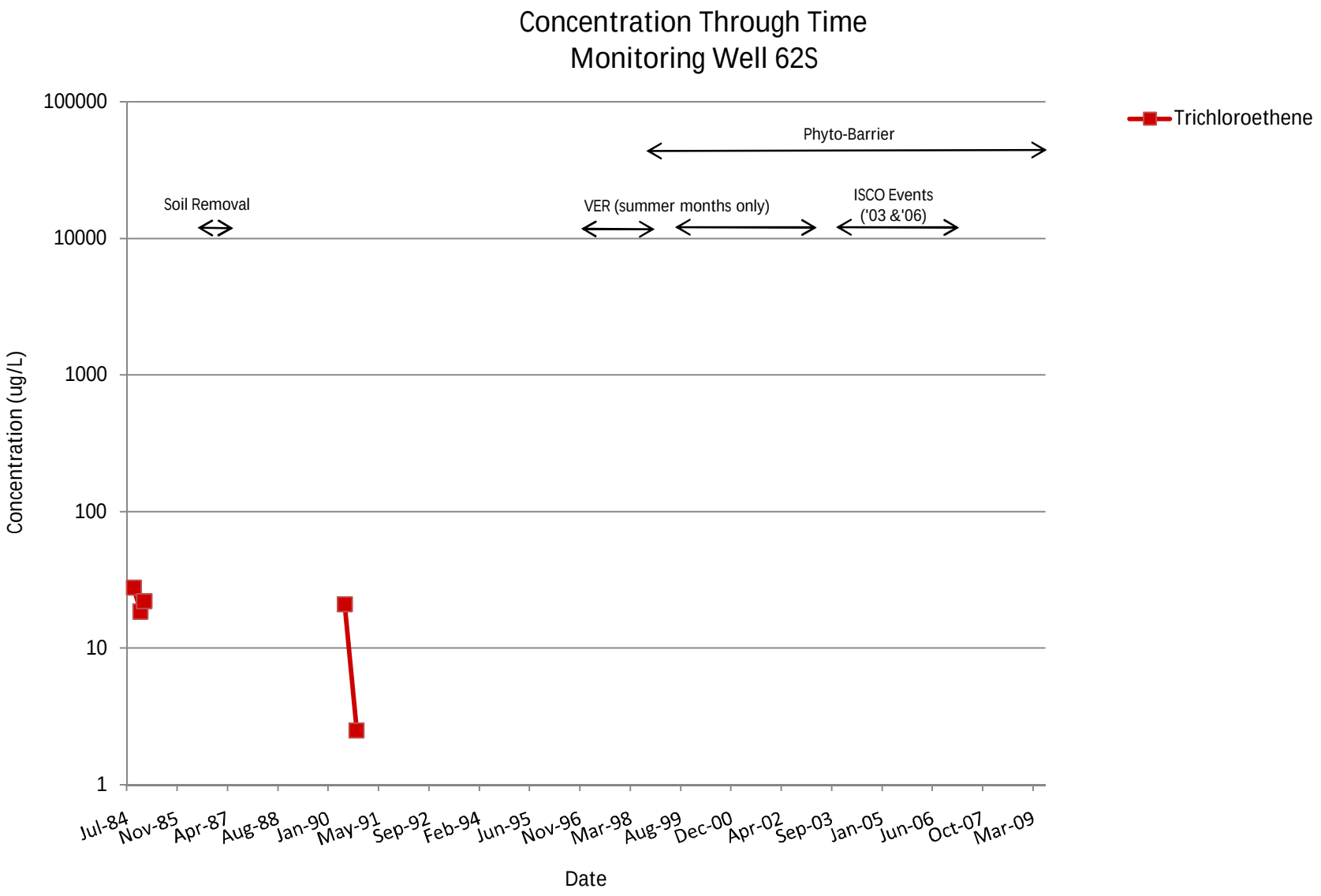
Note: Chart depicts compounds with historical exceedances of the ICL. Analytical results less than the laboratory detection limit are plotted as one-half the detection limit.



Note: Chart depicts compounds with historical exceedances of the ICL. Analytical results less than the laboratory detection limit are plotted as one-half the detection limit.



Note: Chart depicts compounds with historical exceedances of the ICL. Analytical results less than the laboratory detection limit are plotted as one-half the detection limit.



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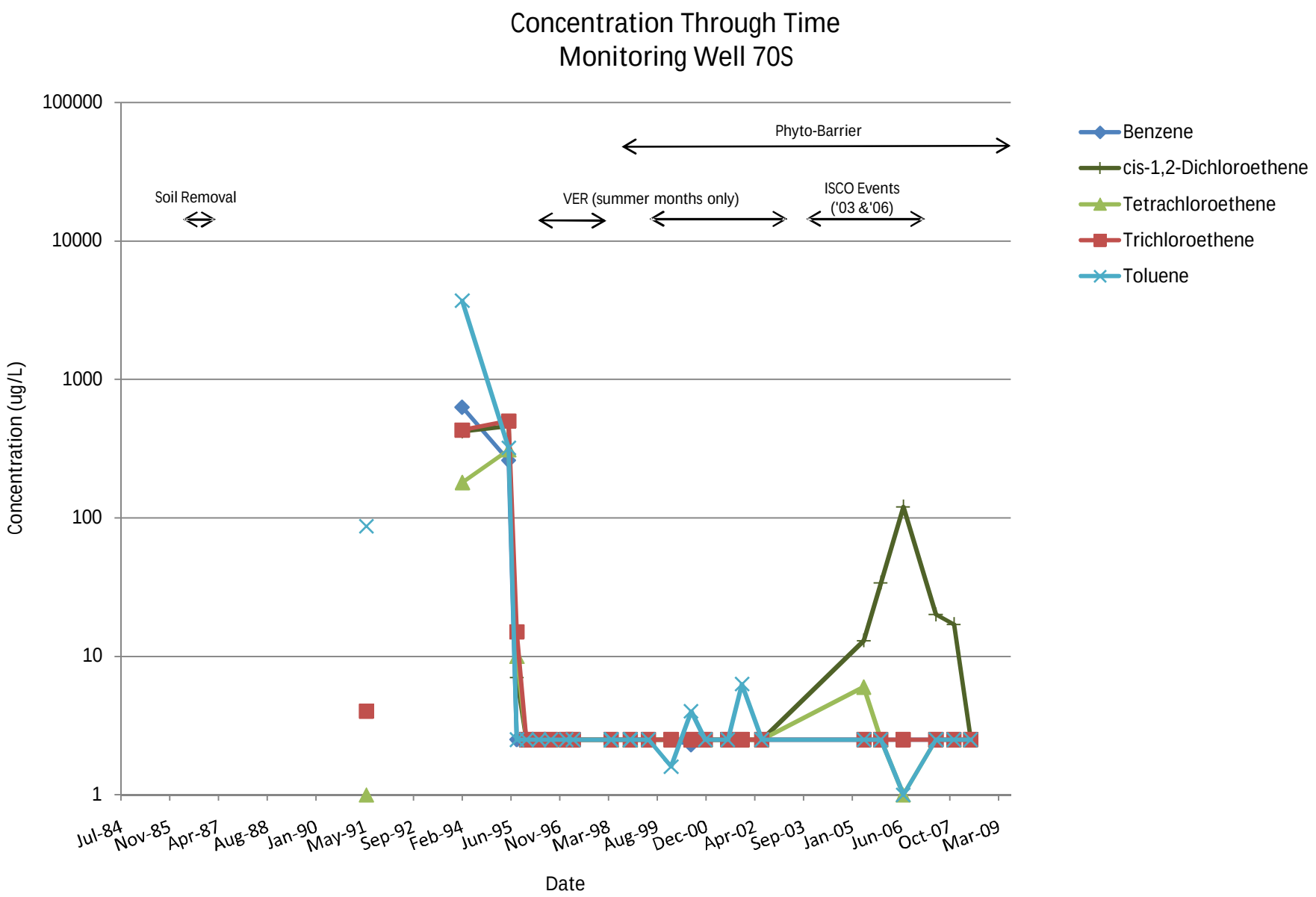

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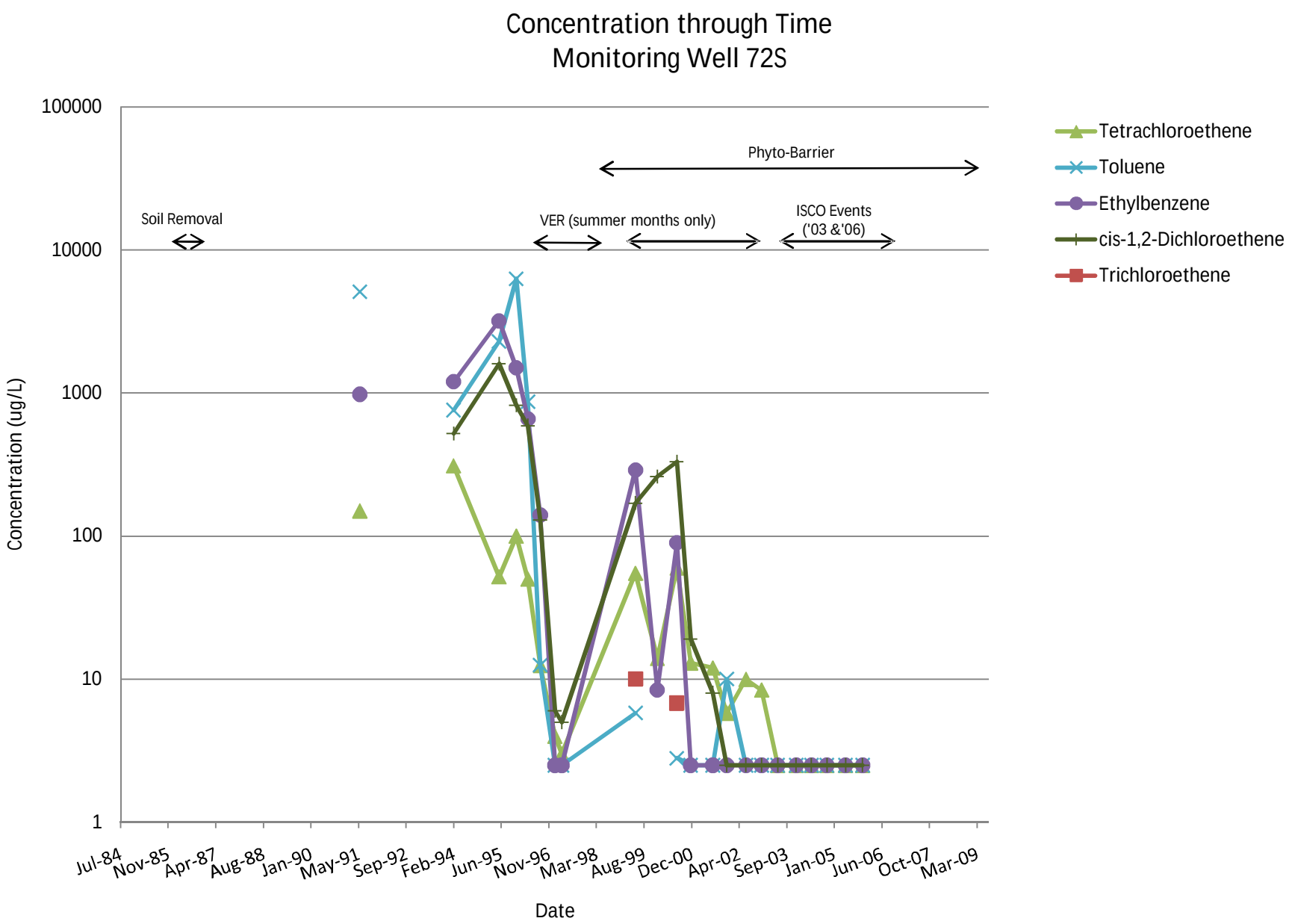
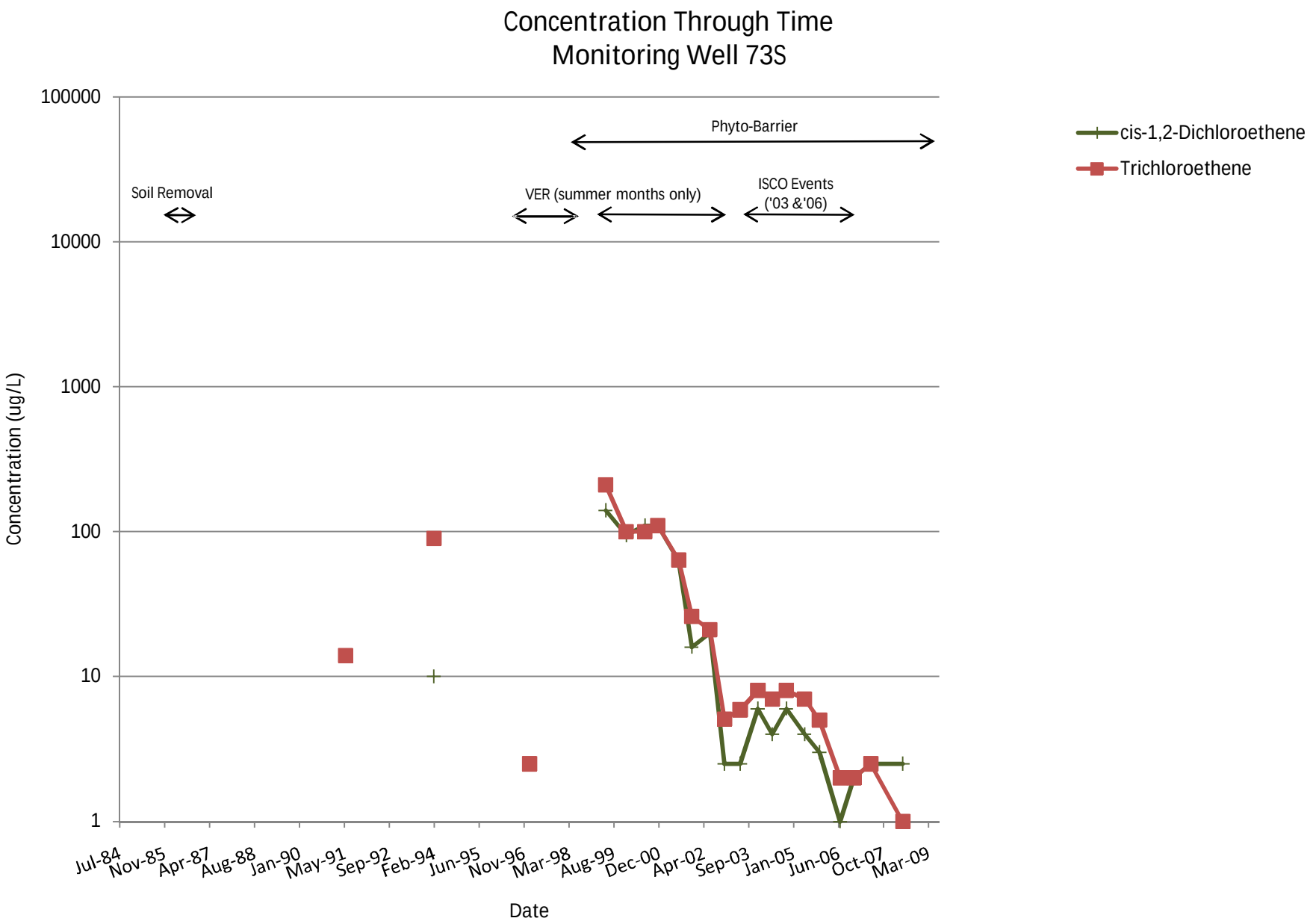
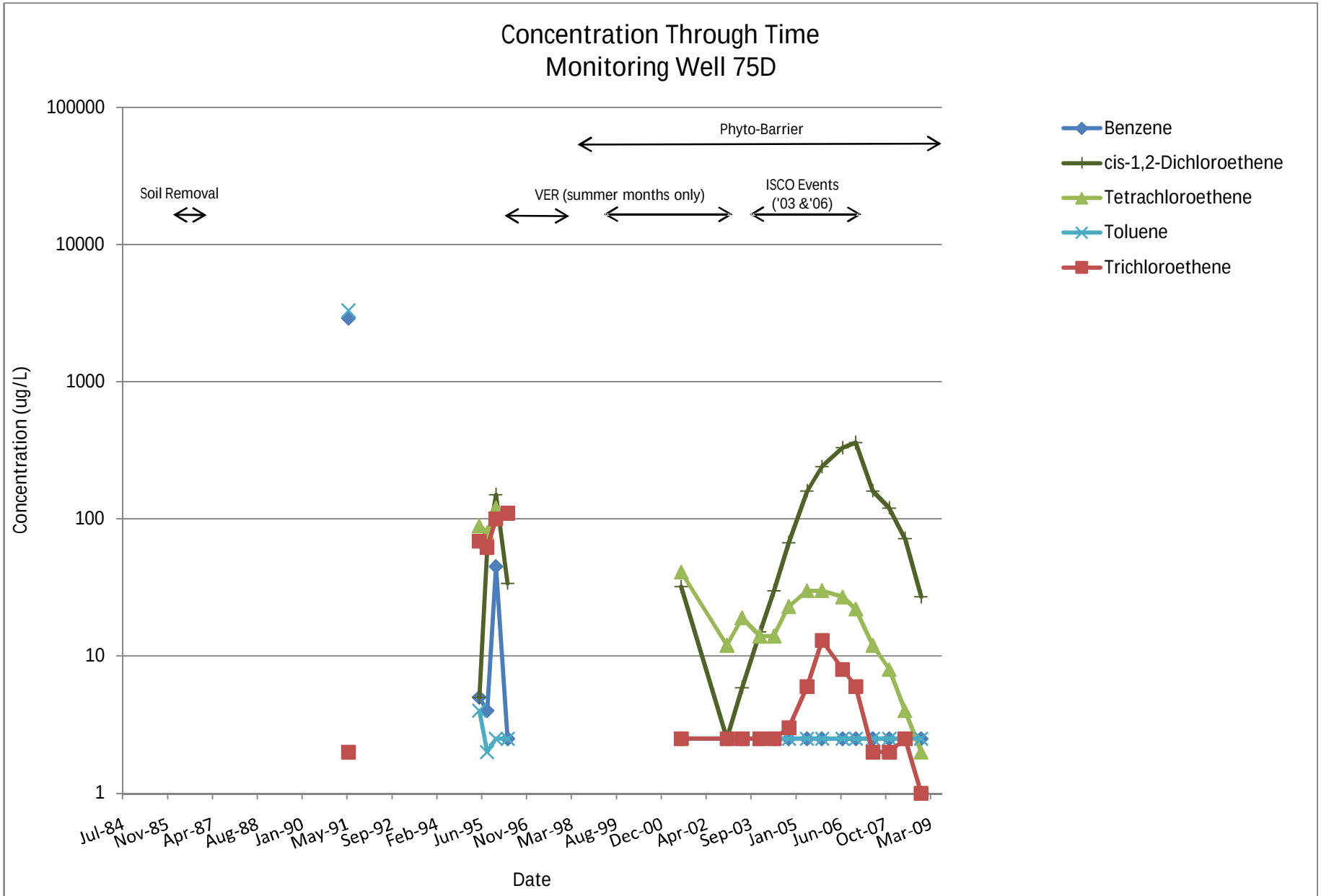


Note: Chart depicts compounds with historical exceedances of the ICL. Analytical results less than the laboratory detection limit are plotted as one-half the detection limit.



Note: Chart depicts compounds with historical exceedances of the ICL. Analytical results less than the laboratory detection limit are plotted as one-half the detection limit.



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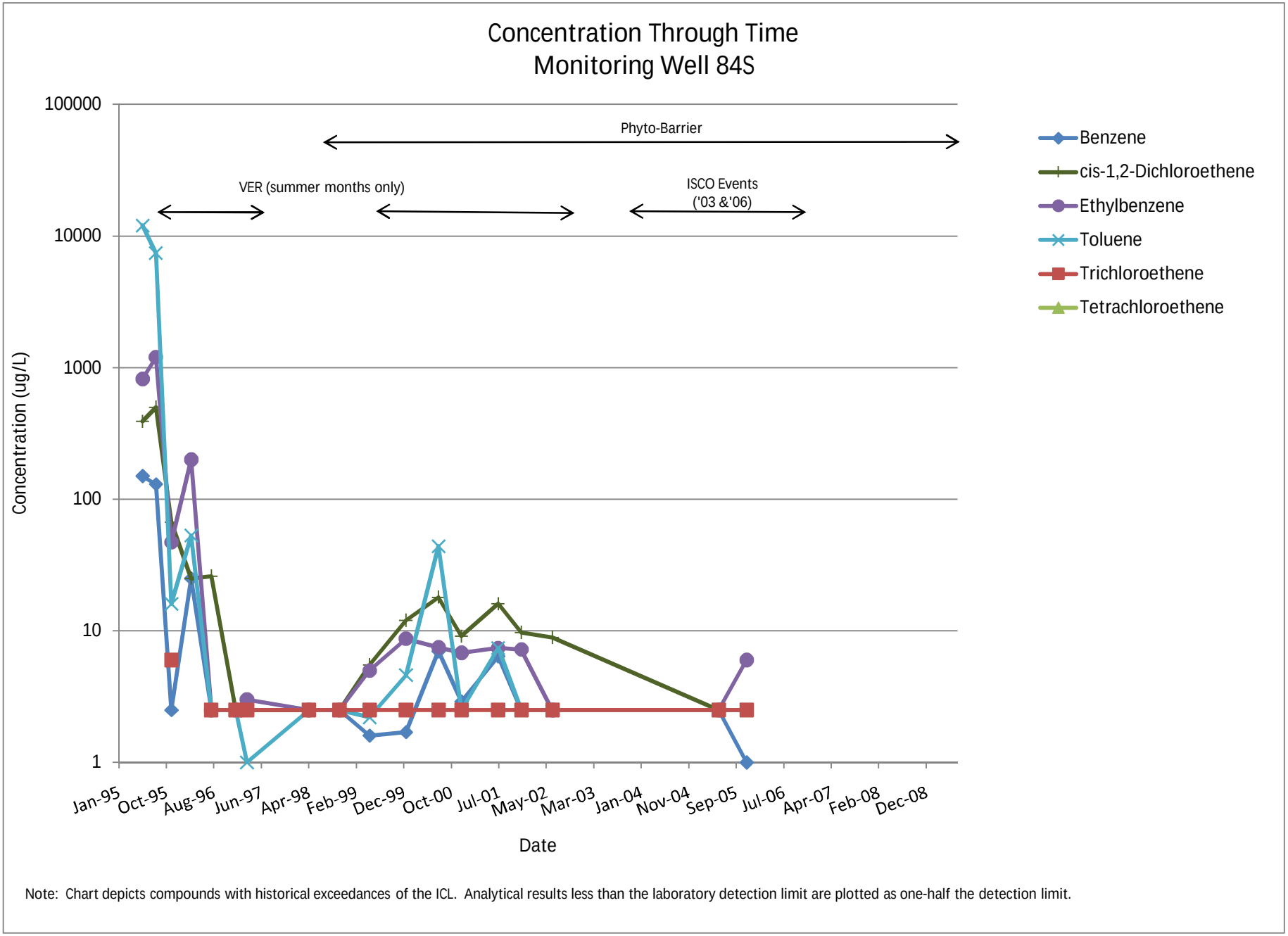

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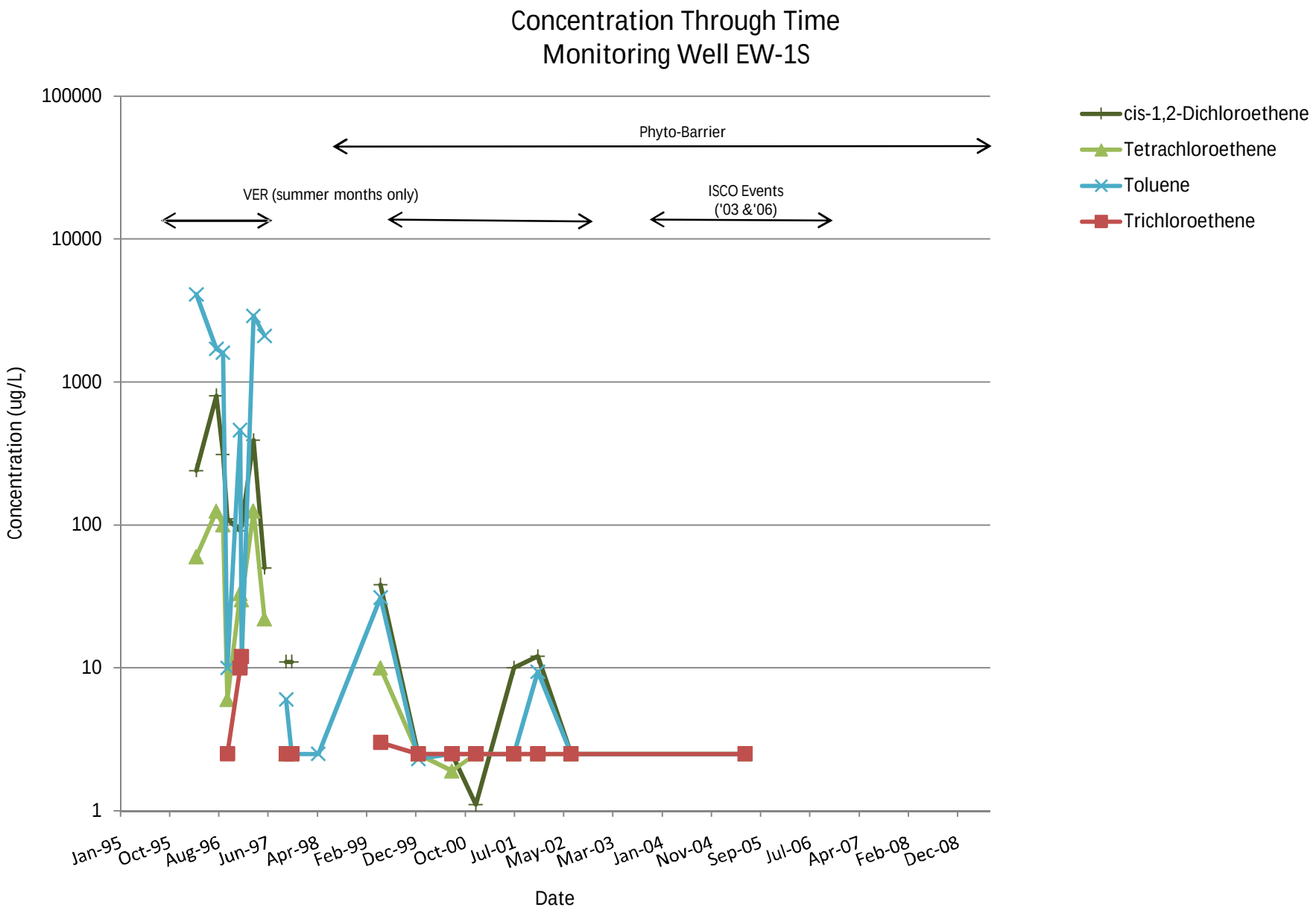

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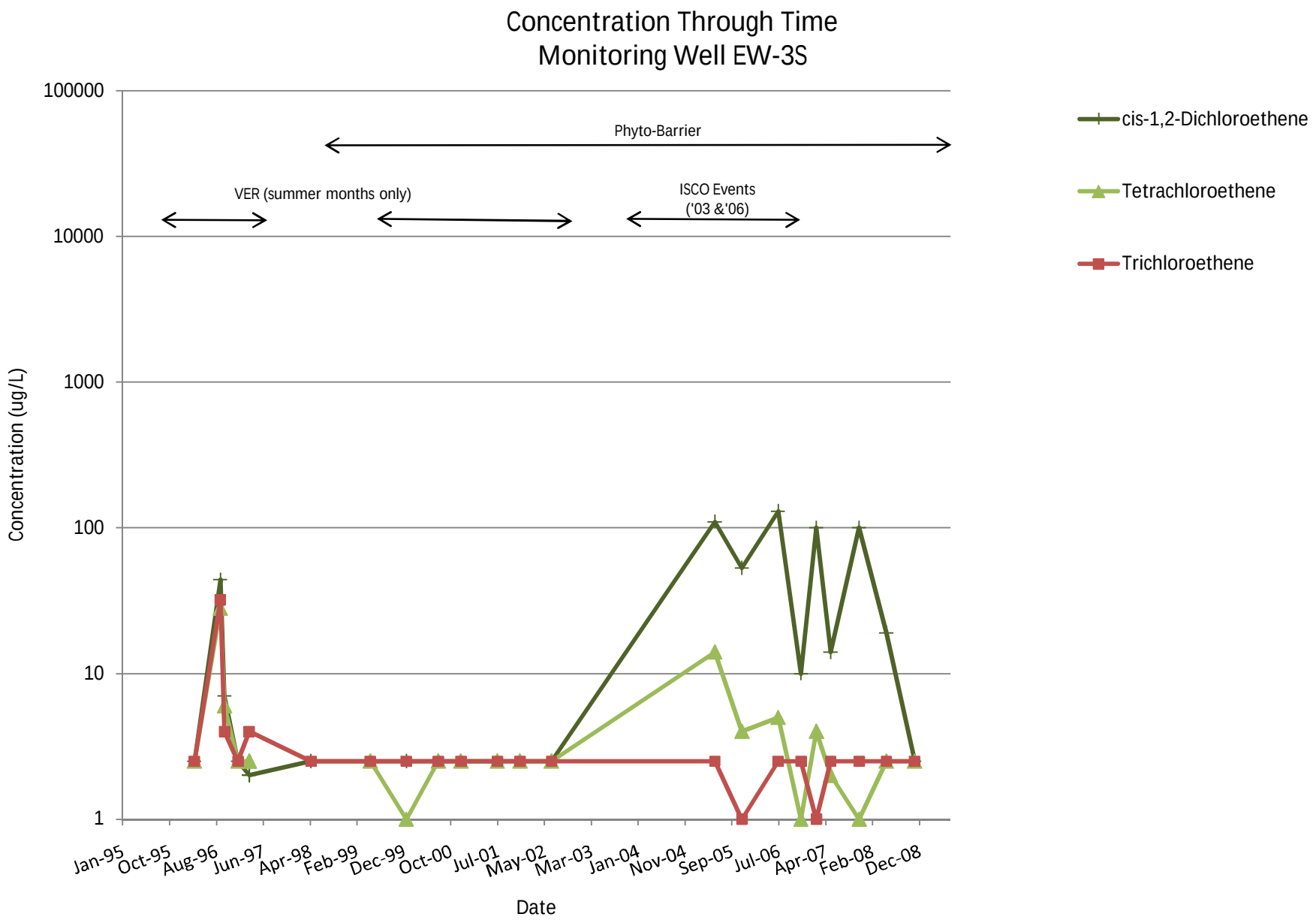
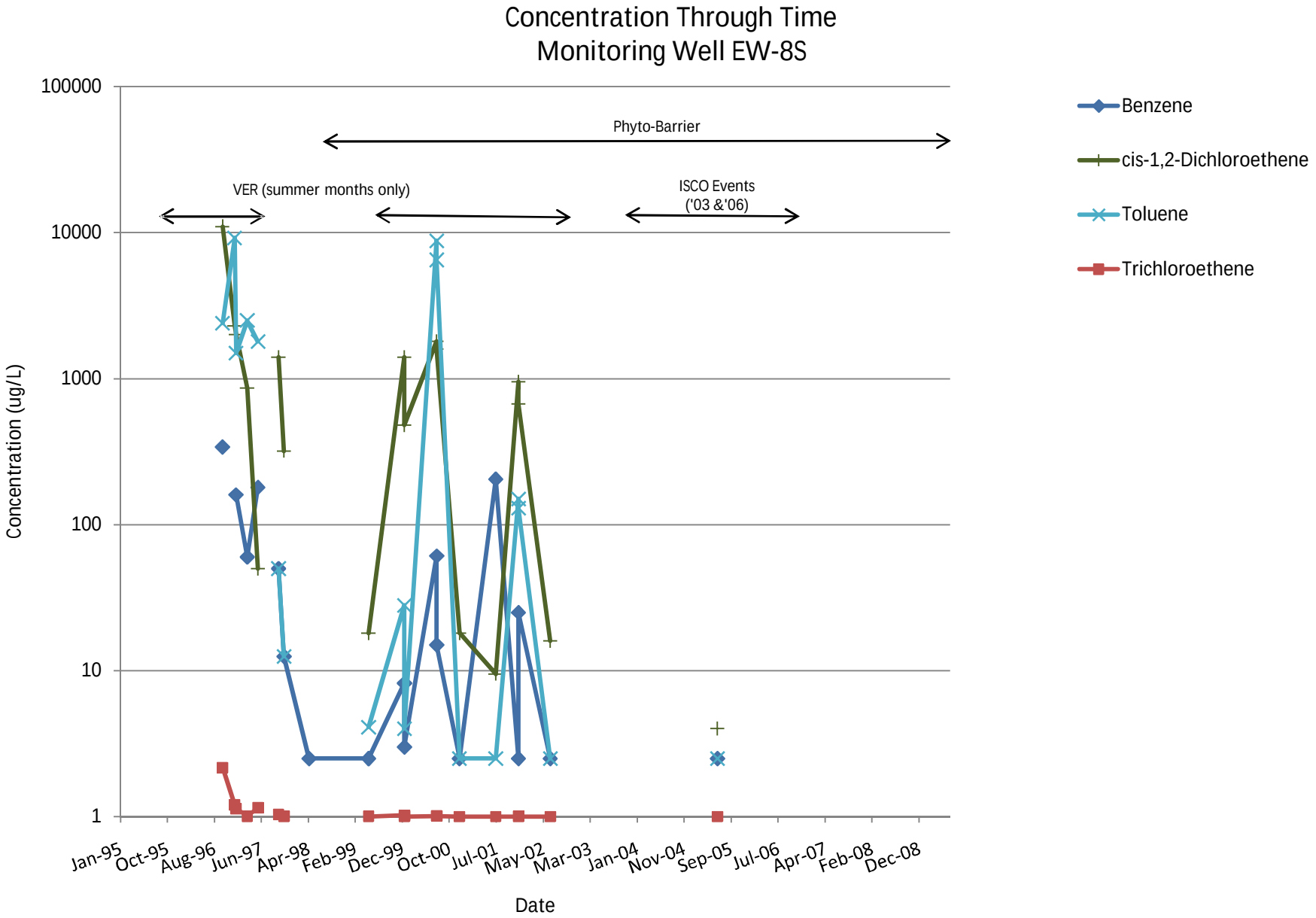
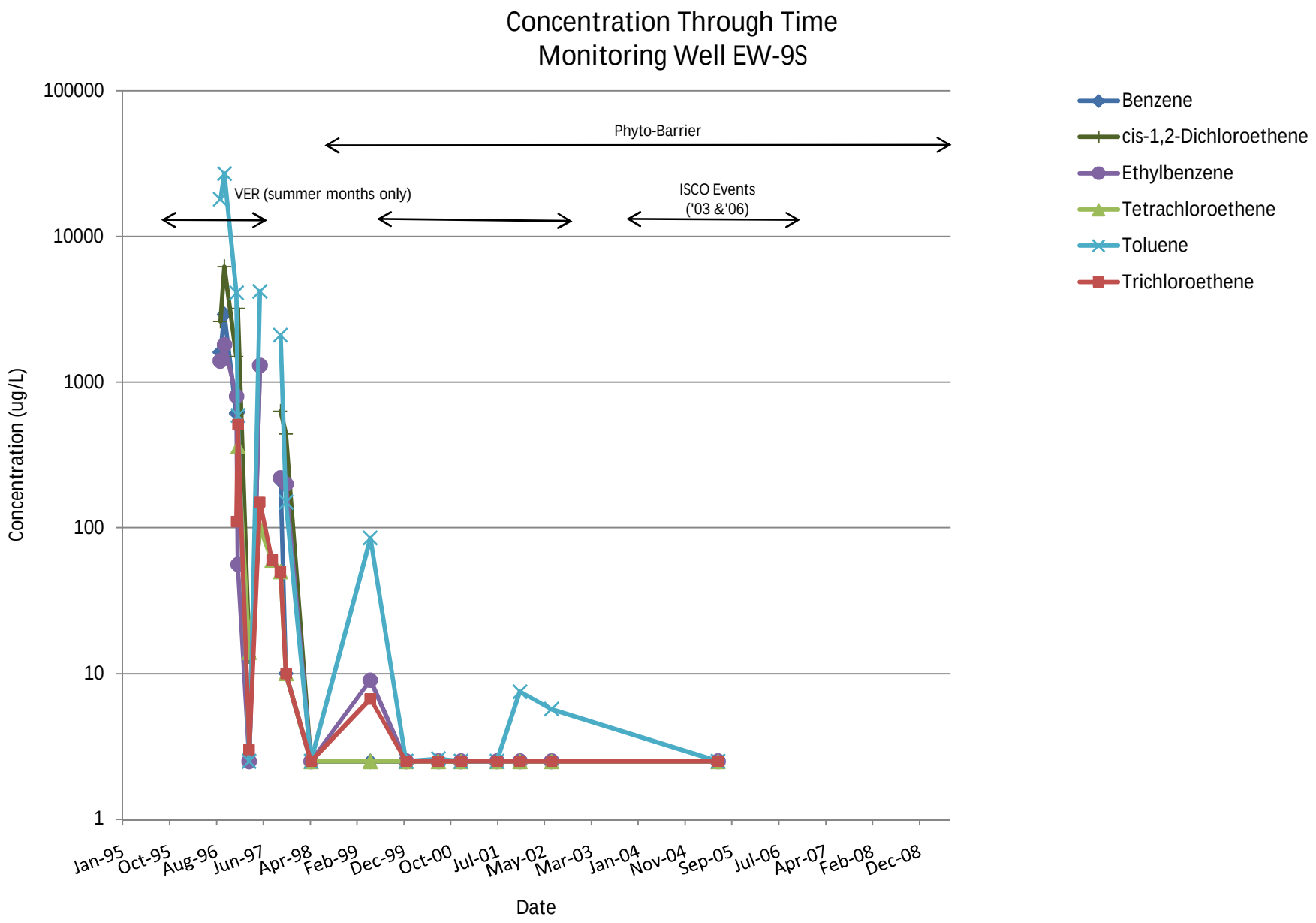


Note: Chart depicts compounds with historical exceedances of the ICL. Analytical results less than the laboratory detection limit are plotted as one-half the detection limit.



Note: Chart depicts compounds with historical exceedances of the ICL. Analytical results less than the laboratory detection limit are plotted as one-half the detection limit.



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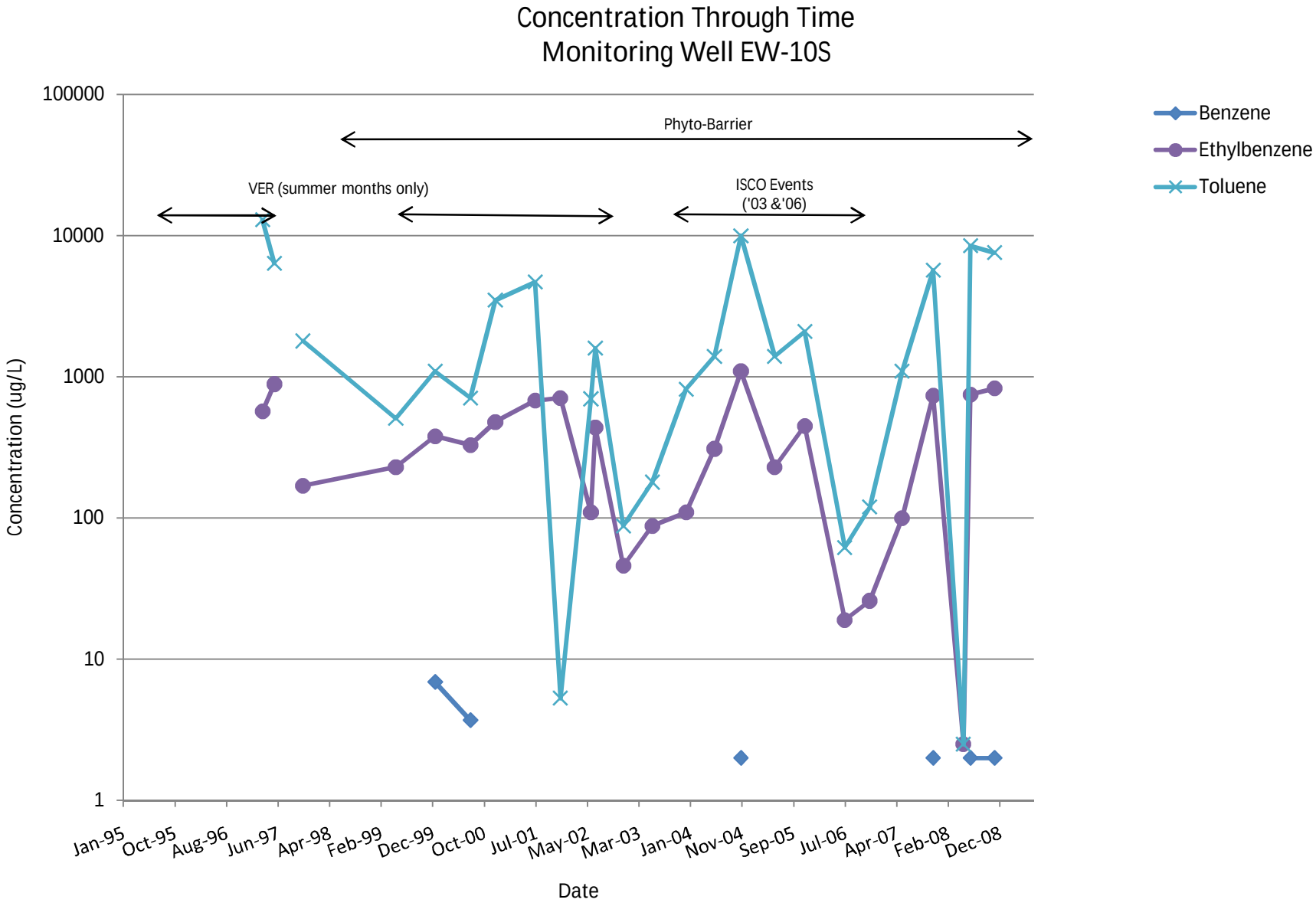

Note: Chart depicts compounds with historical exceedances of the ICL. Analytical results less than the laboratory detection limit are plotted as one-half the detection limit.

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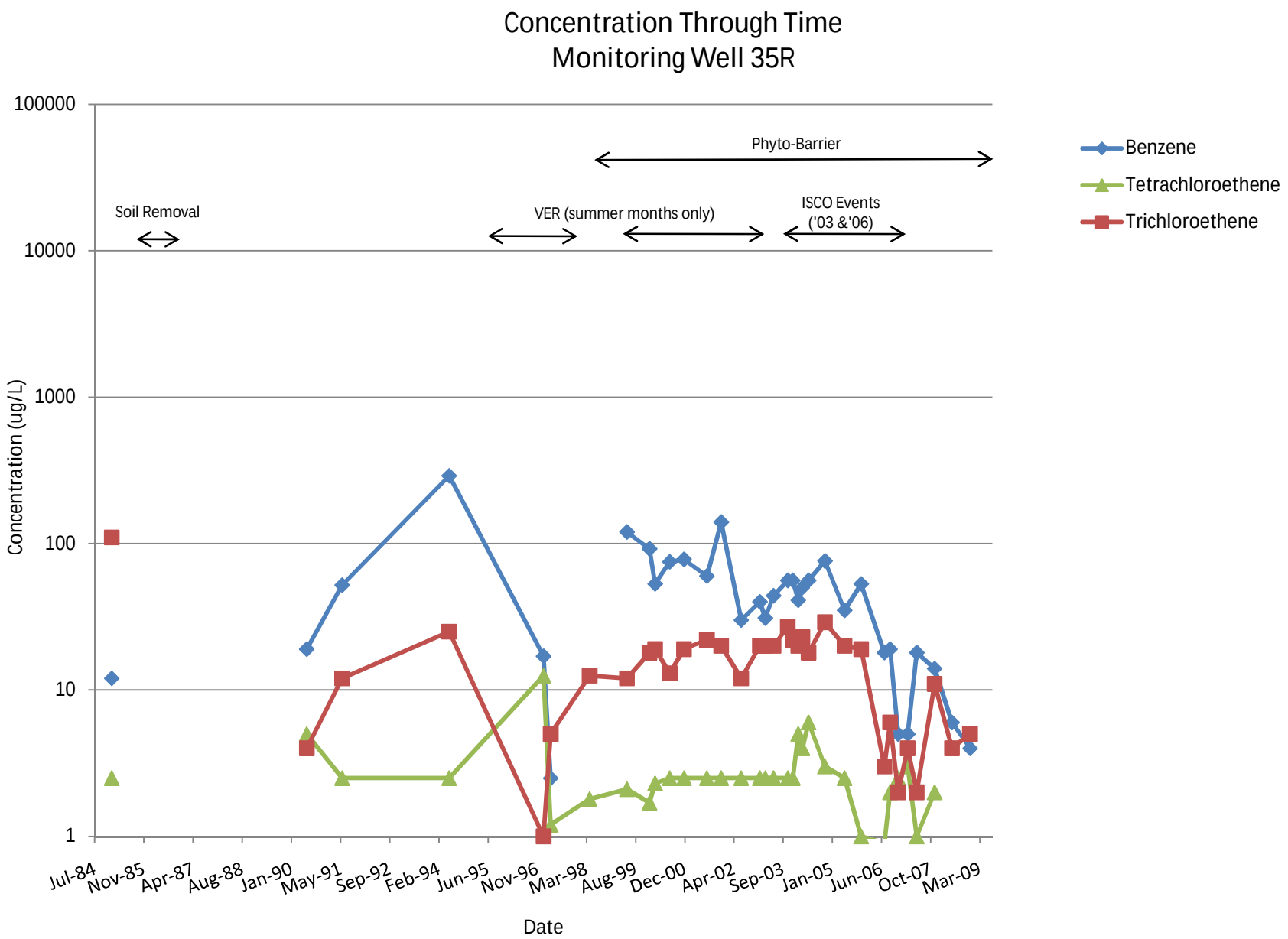
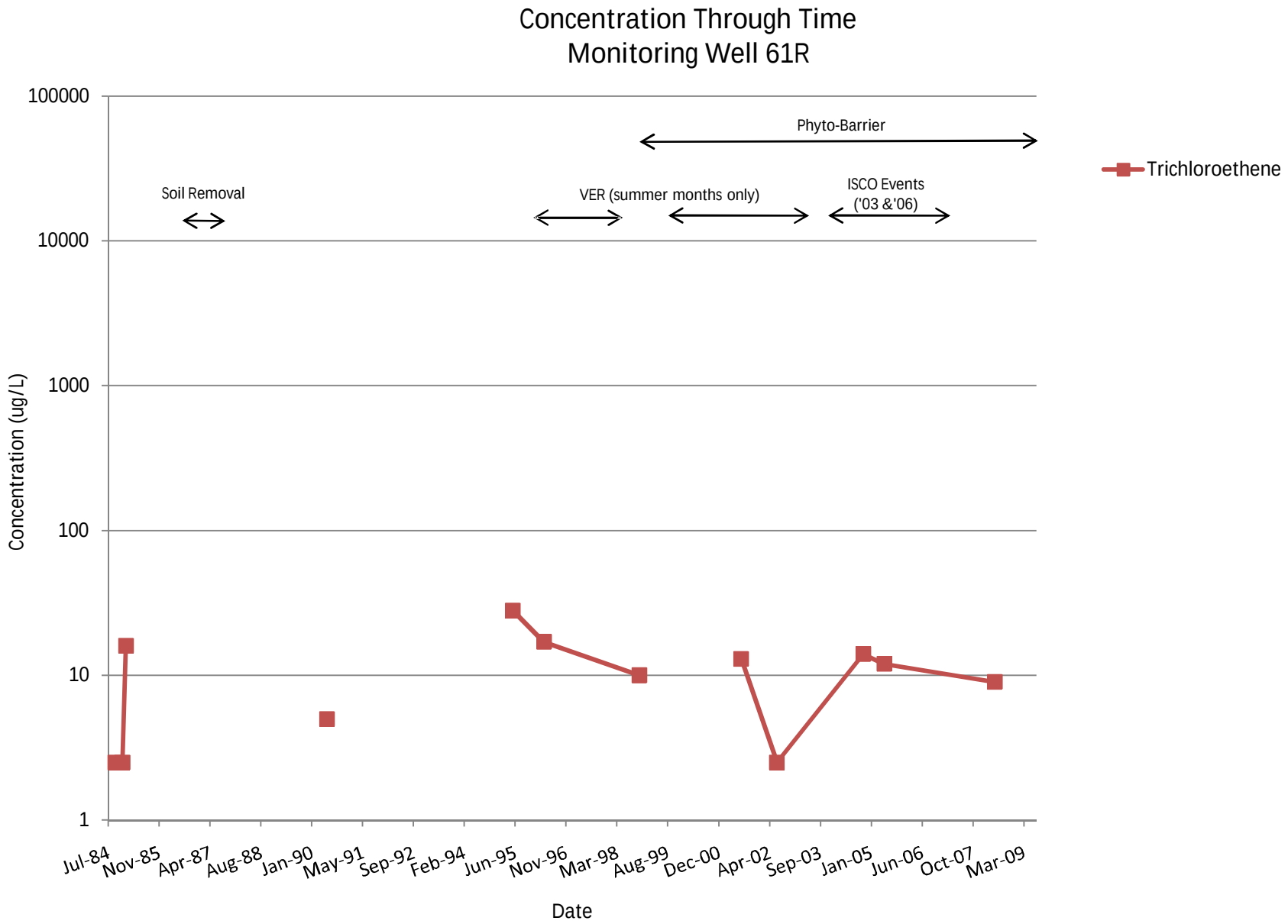
Appendix D

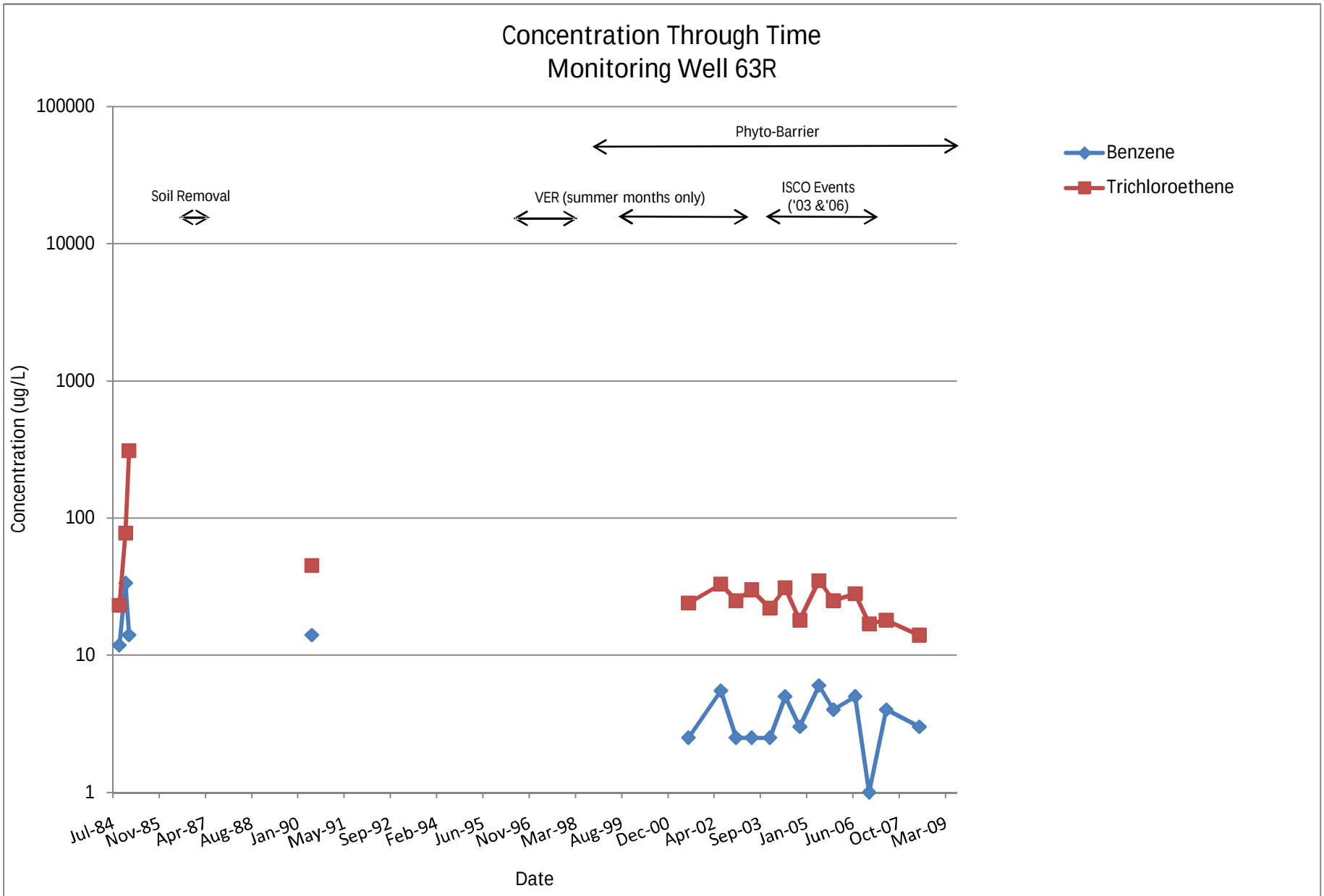
Concentration Trend Charts for Bedrock Wells



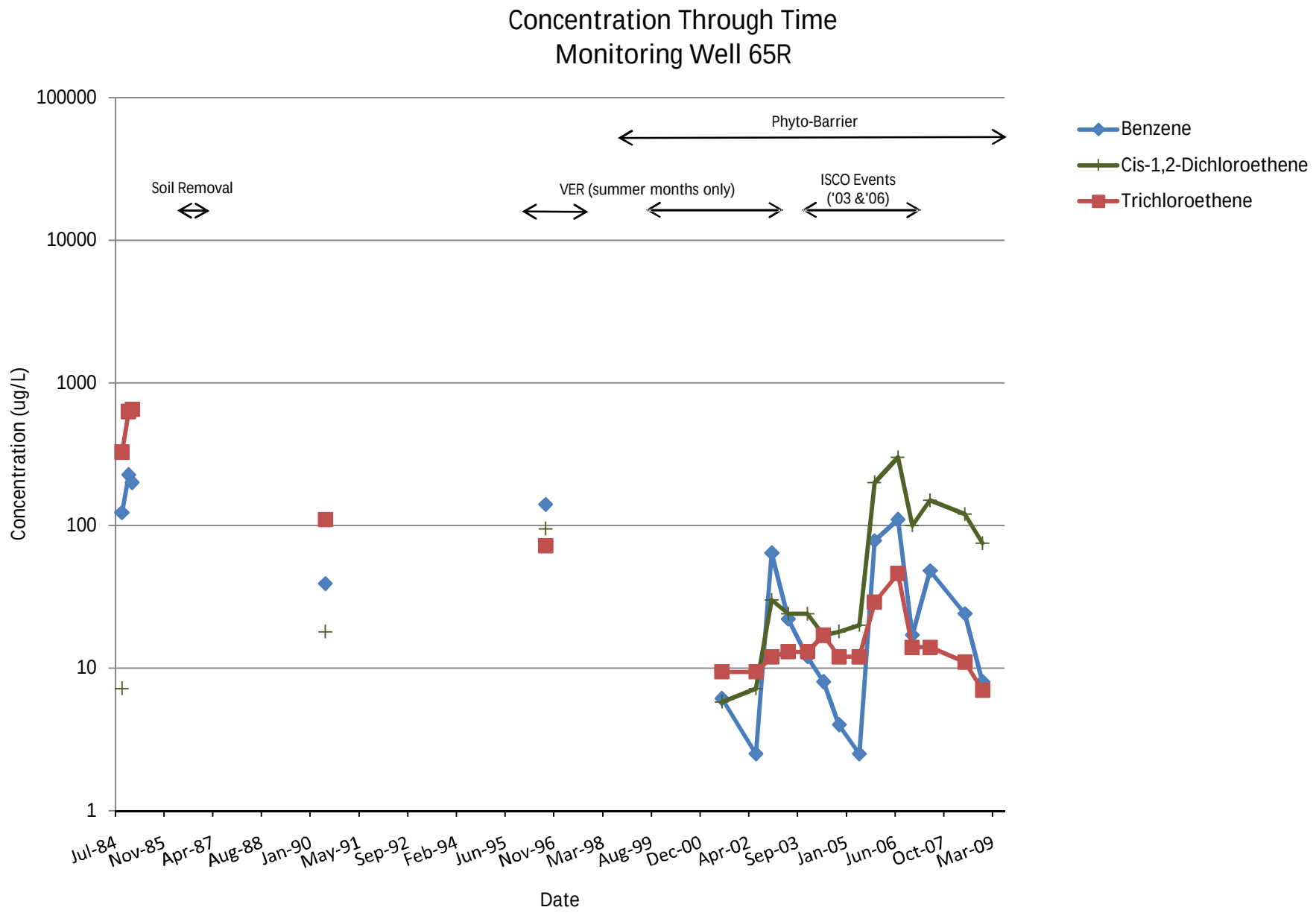
Note: Chart depicts compounds with historical exceedances of the ICL. Analytical results less than the laboratory detection limit are plotted as one-half the detection limit.



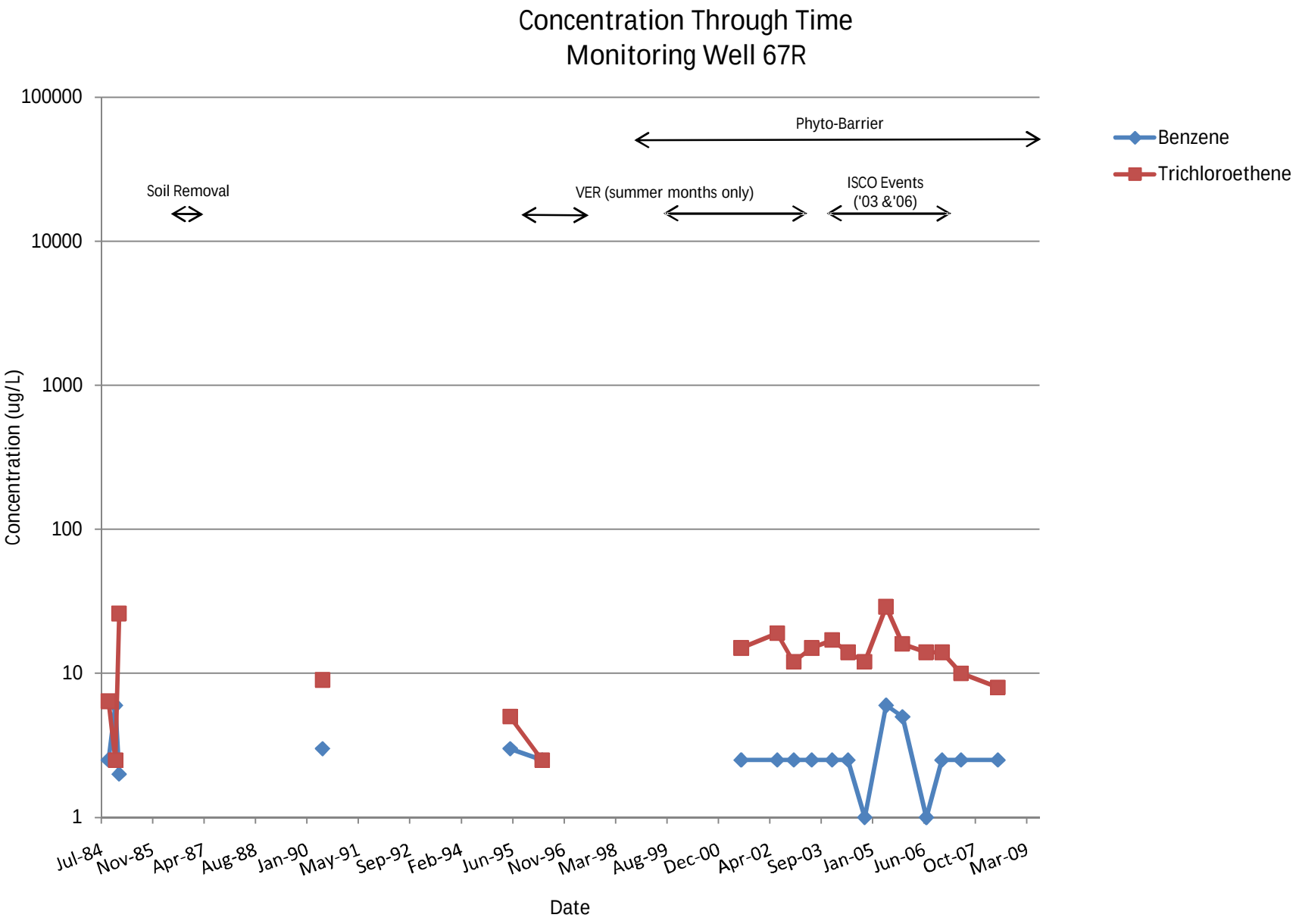
Note: Chart depicts compounds with historical exceedances of the ICL. Analytical results less than the laboratory detection limit are plotted as one-half the detection limit.



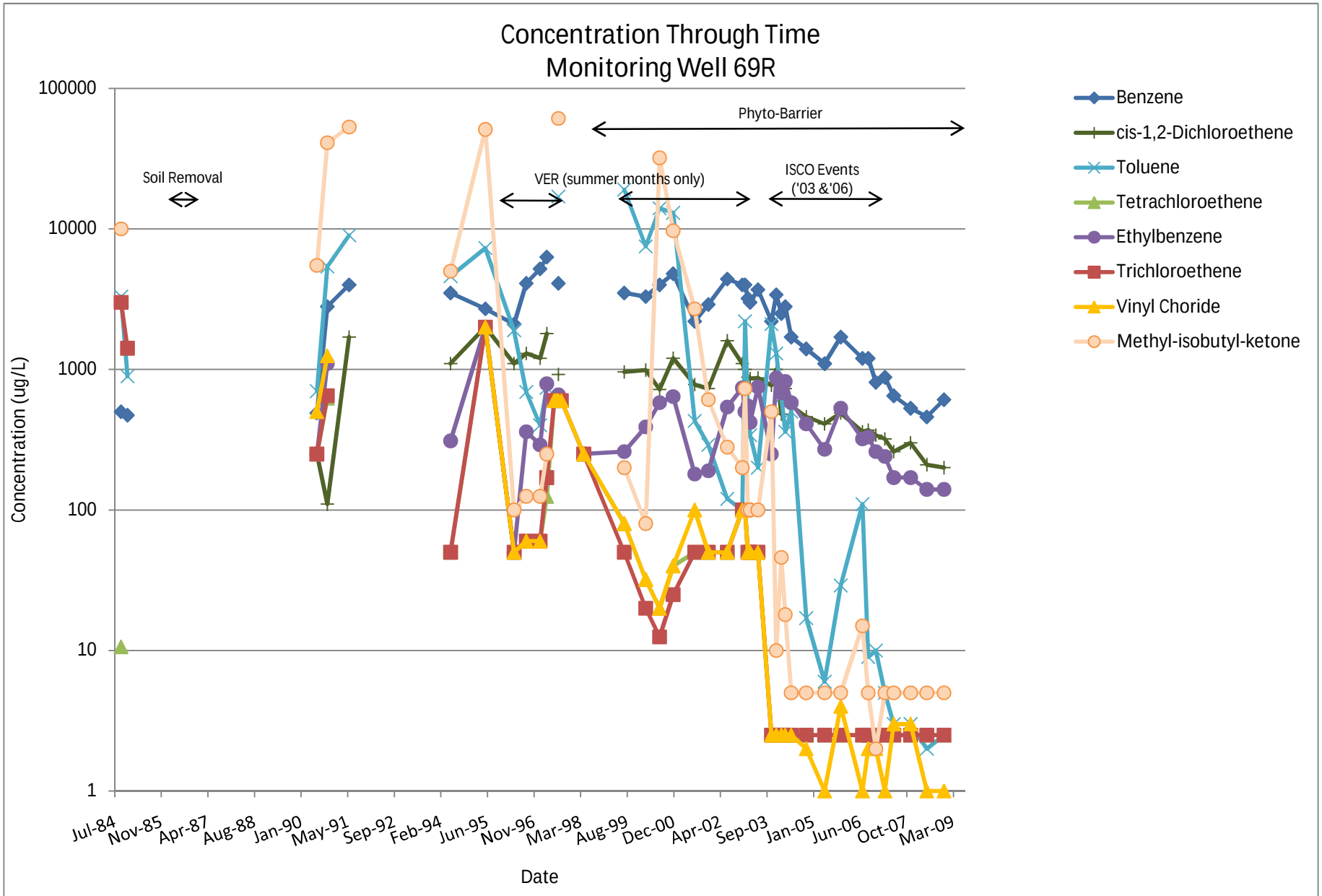
Note: Chart depicts compounds with historical exceedances of the ICL. Analytical results less than the laboratory detection limit are plotted as one-half the detection limit.



Note: Chart depicts compounds with historical exceedances of the ICL. Analytical results less than the laboratory detection limit are plotted as one-half the detection limit.



Note: Chart depicts compounds with historical exceedances of the ICL. Analytical results less than the laboratory detection limit are plotted as one-half the detection limit.



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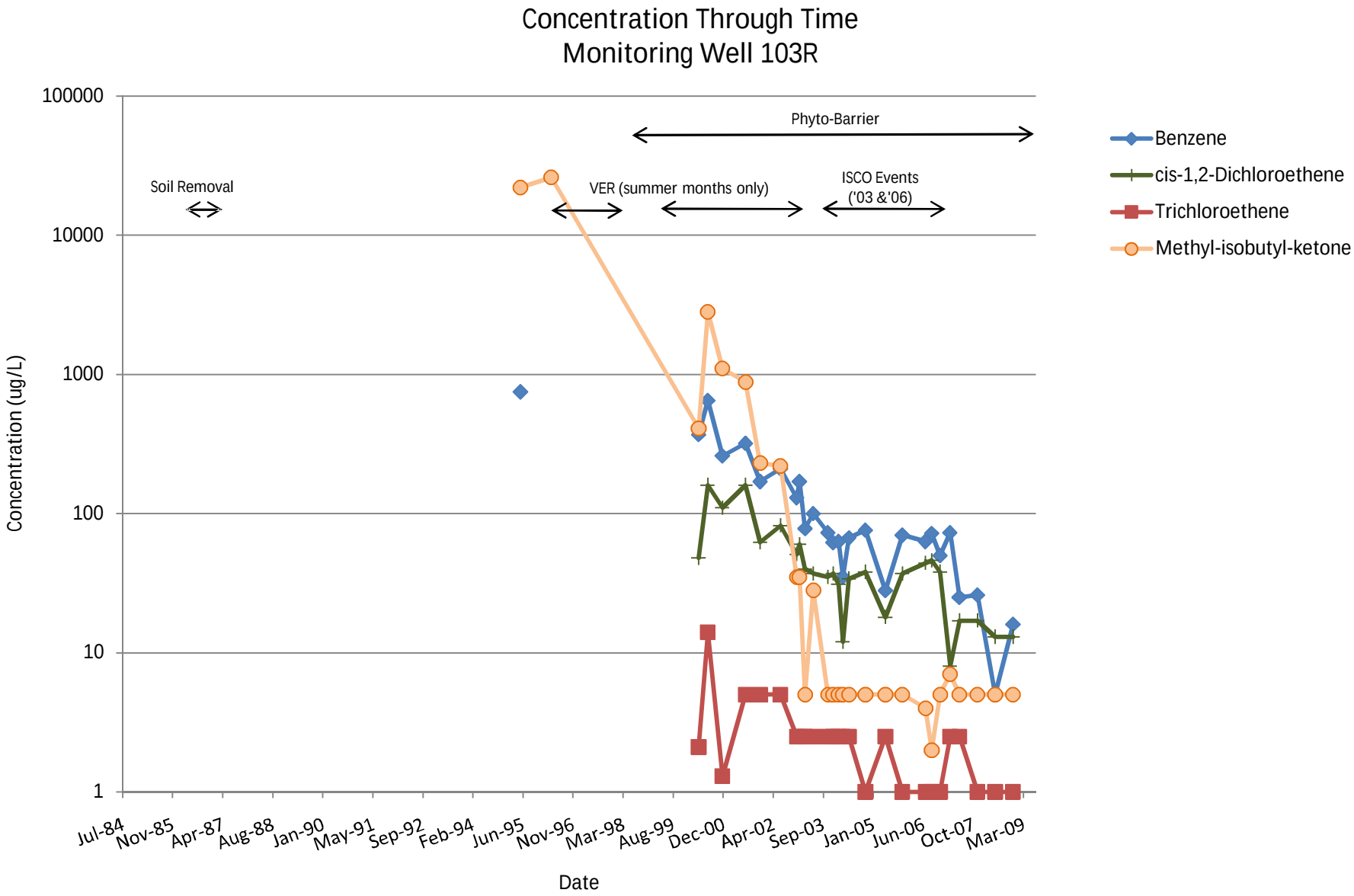
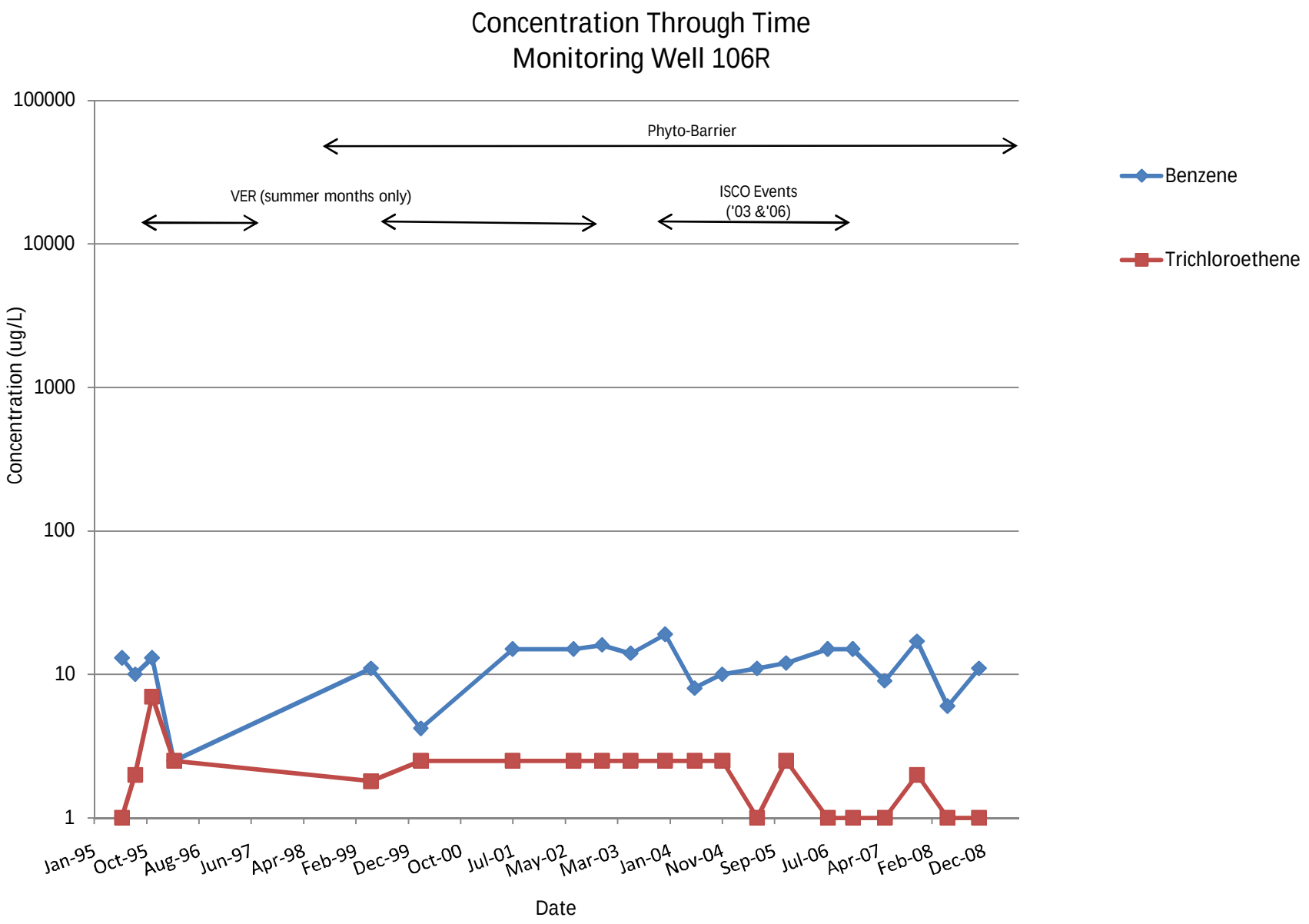
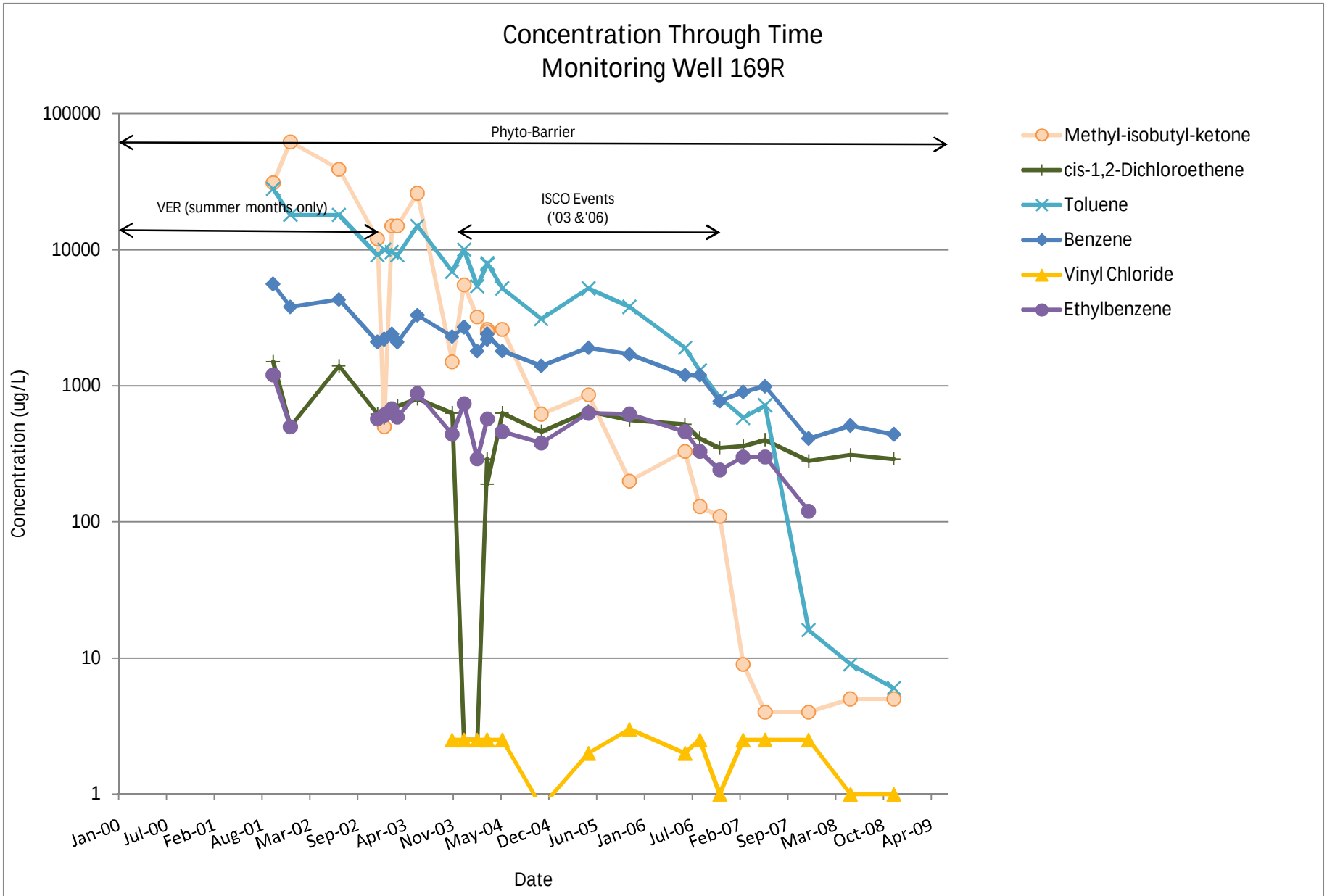


Note: Chart depicts compounds with historical exceedances of the ICL. Analytical results less than the laboratory detection limit are plotted as one-half the detection limit.



Note: Chart depicts compounds with historical exceedances of the ICL. Analytical results less than the laboratory detection limit are plotted as one-half the detection limit.



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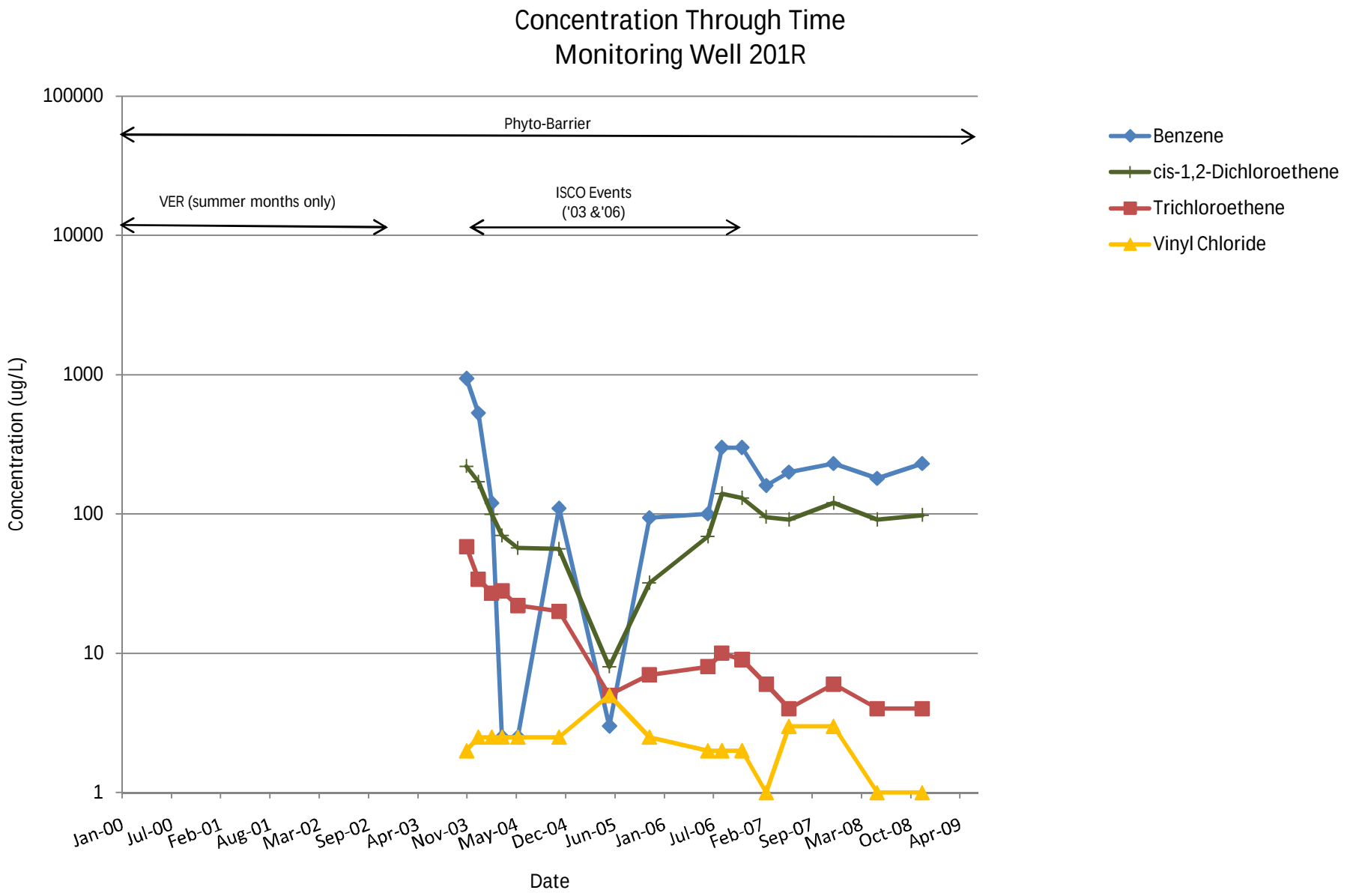
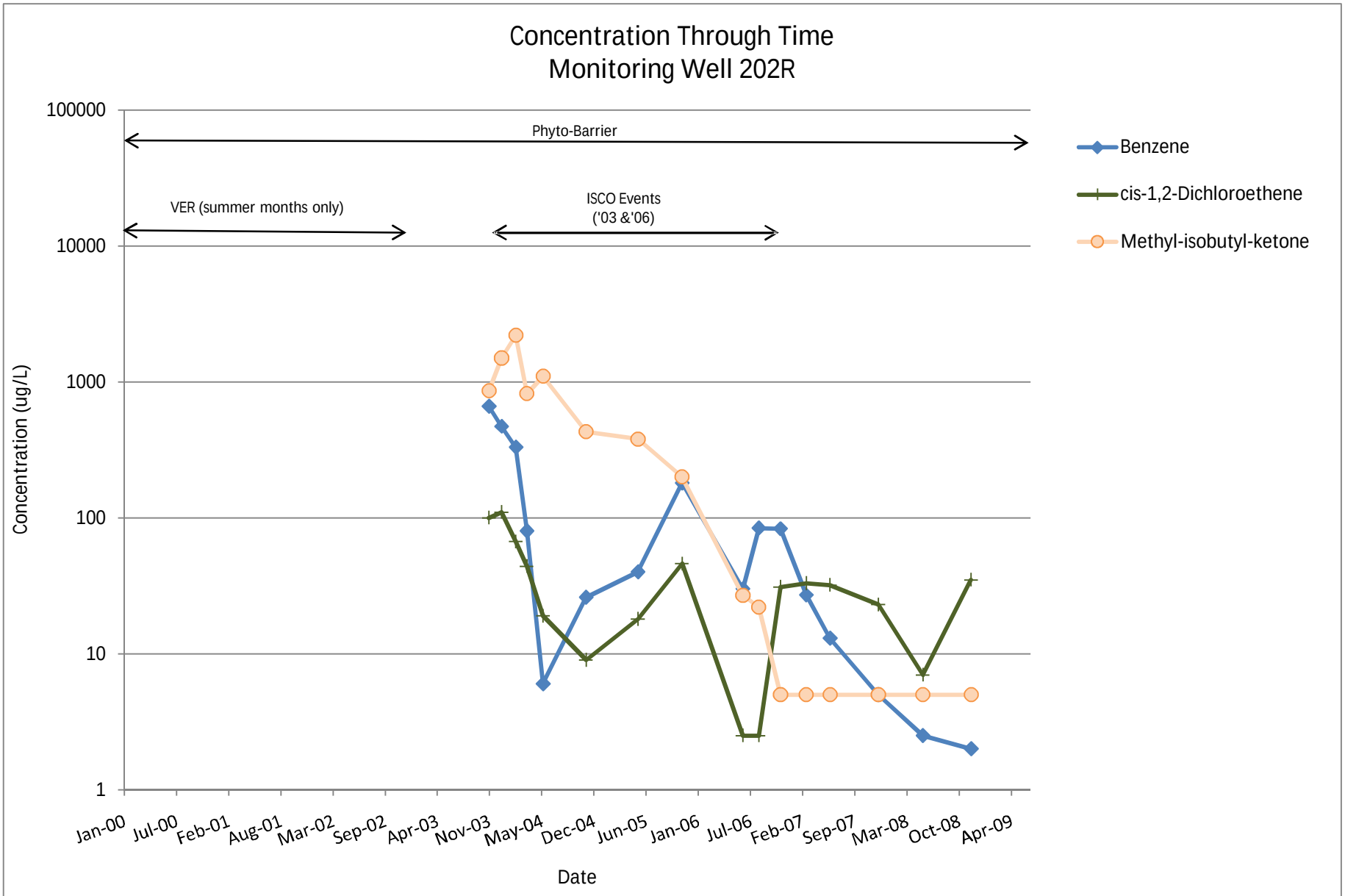


Note: Chart depicts compounds with historical exceedances of the ICL. Analytical results less than the laboratory detection limit are plotted as one-half the detection limit.



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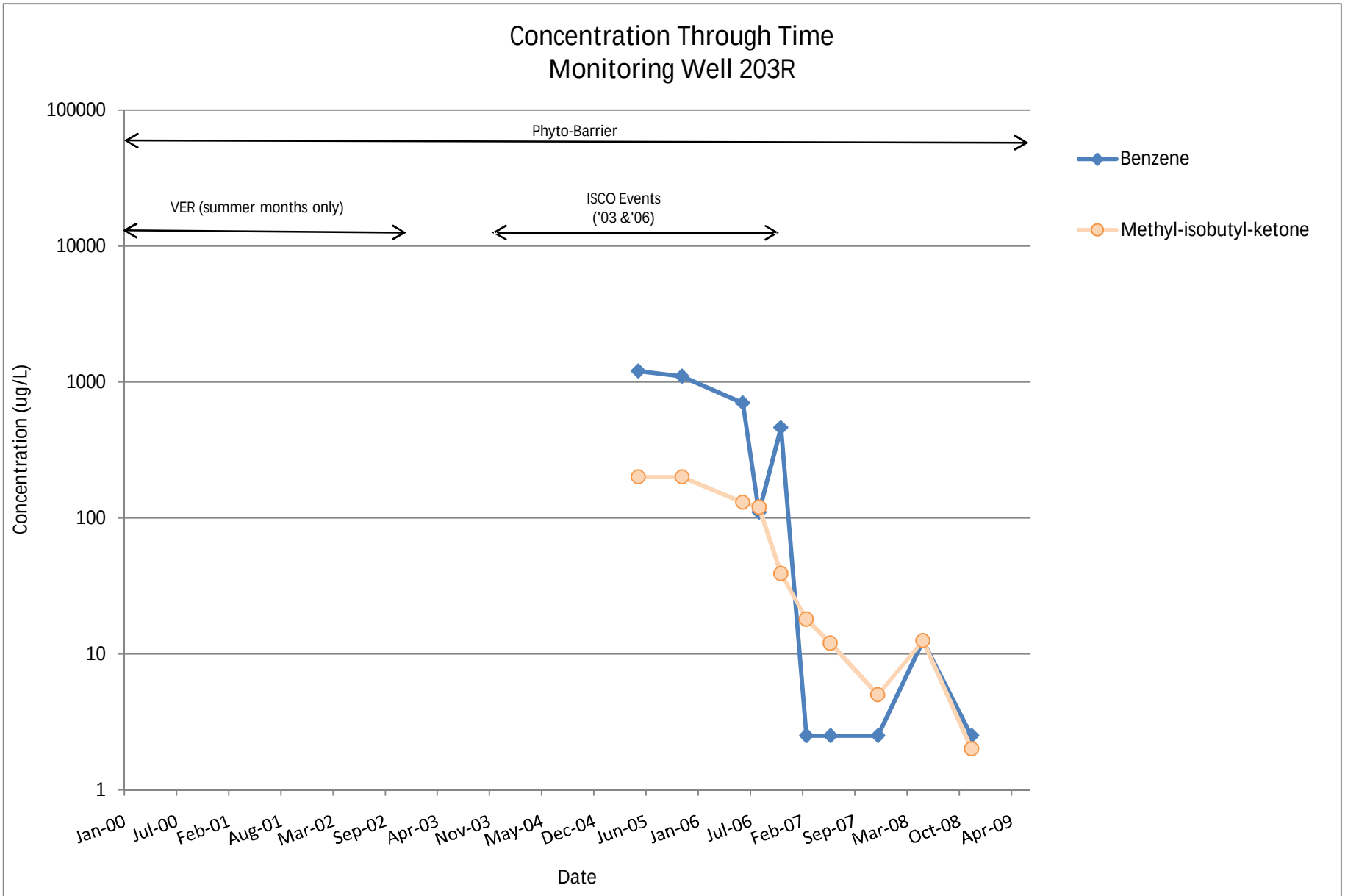

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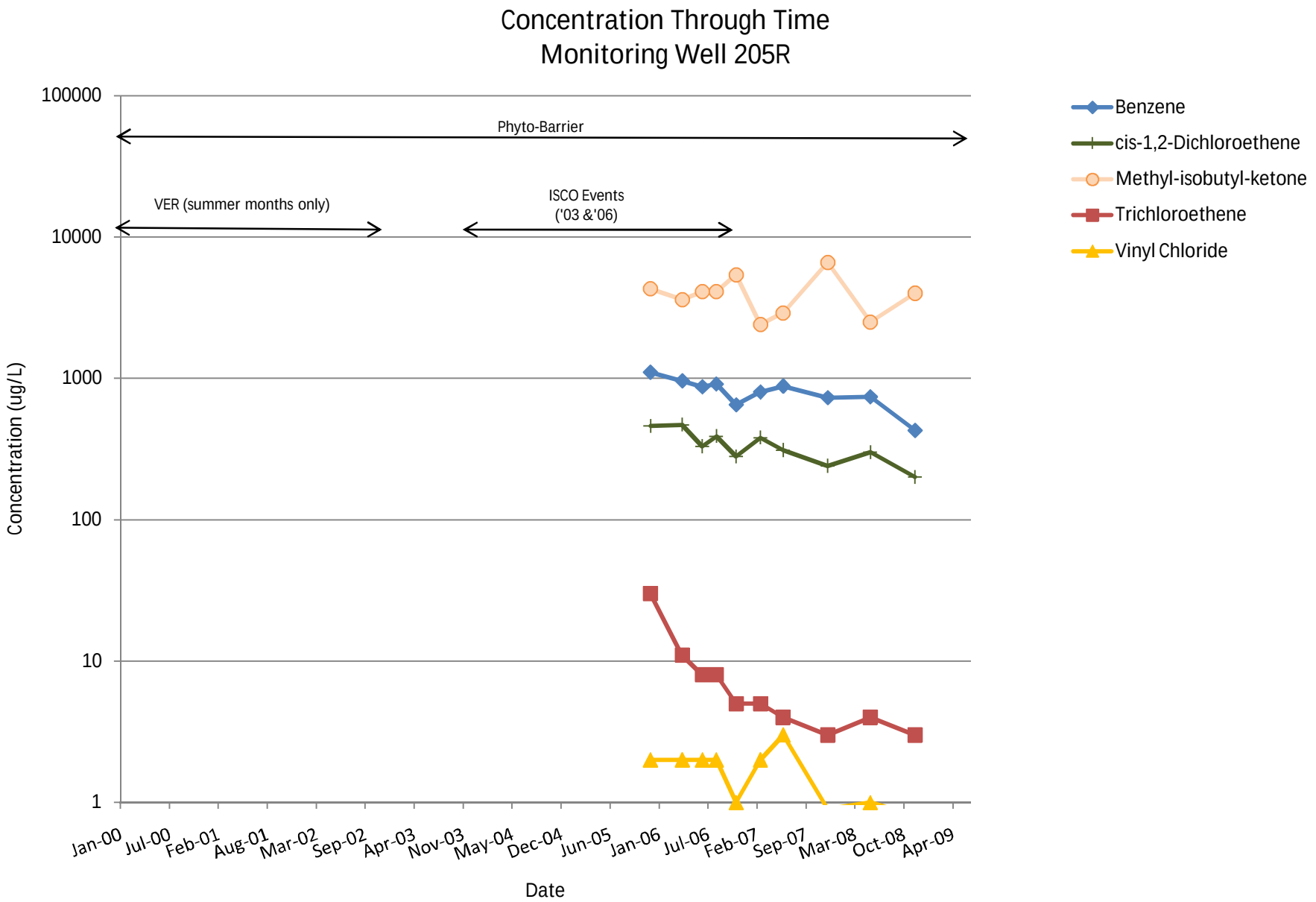

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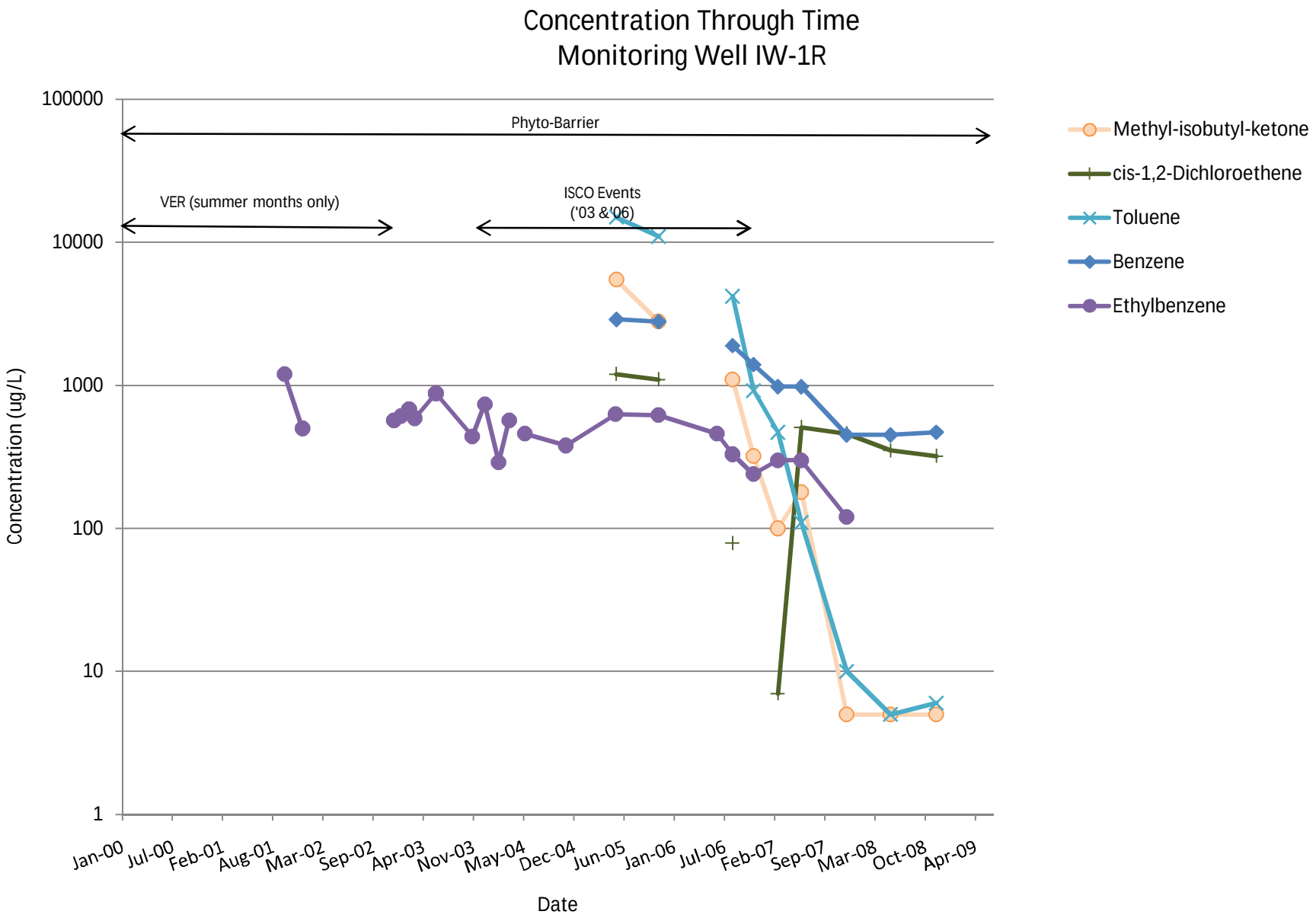
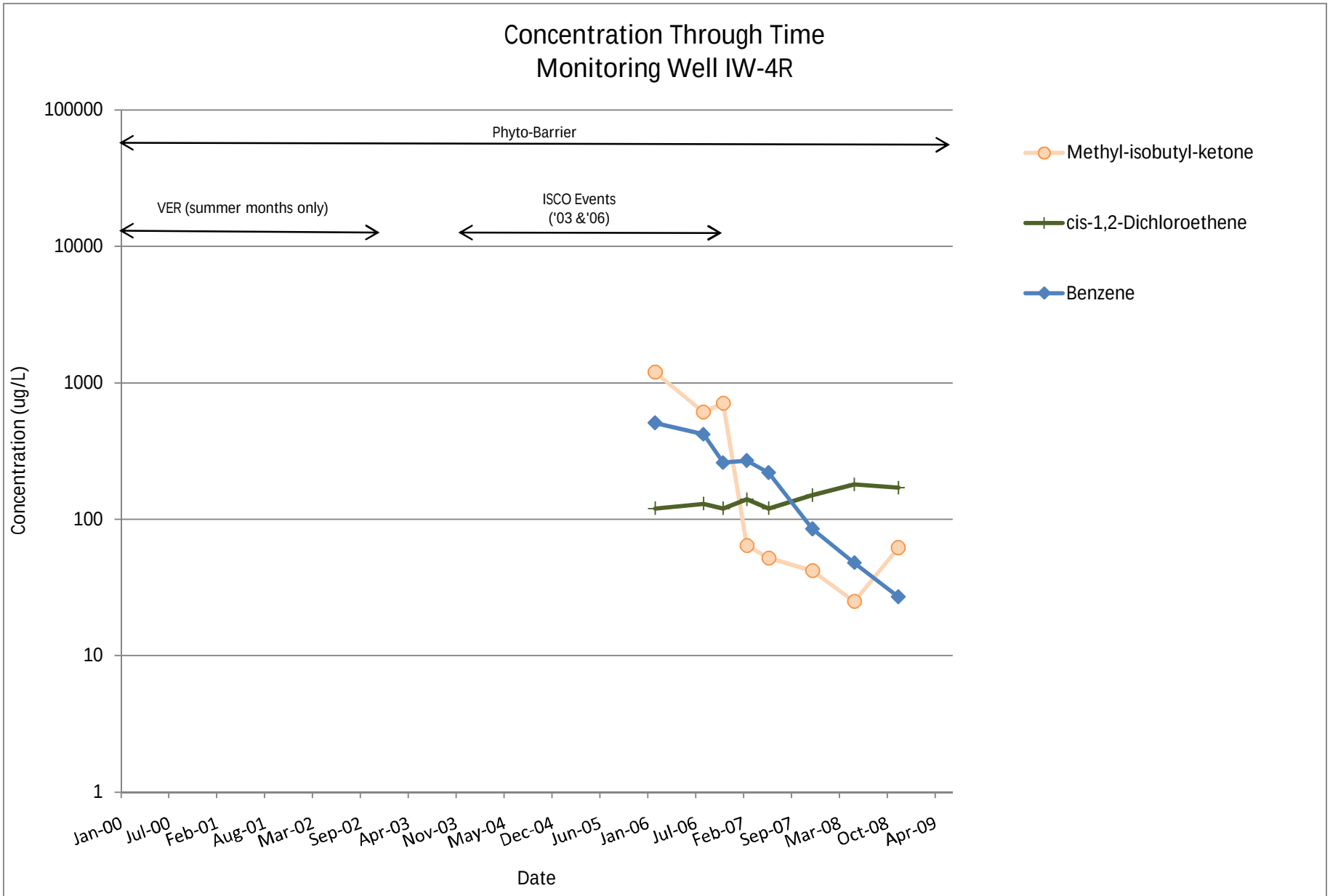


Note: Chart depicts compounds with historical exceedances of the ICL. Analytical results less than the laboratory detection limit are plotted as one-half the detection limit.



Note: Chart depicts compounds with historical exceedances of the ICL. Analytical results less than the laboratory detection limit are plotted as one-half the detection limit.

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Appendix E

Comparison of Groundwater Concentrations in Overburden and Bedrock Well Pairs

TIBBETTS ROAD SITE
BARRINGTON, NEW HAMPSHIRE

WELL PAIR LOCATION MAP

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FIGURE
E-1

CITY: NOVI DIV/GROUP: ENV DB: KW PIC: EC PM: DS TM: PJC
Project (Project #) MA000725
G:\GIS\Project Files\Ford\TibbetsRoad\Documents\NESTED WELL LOCATION.mxd

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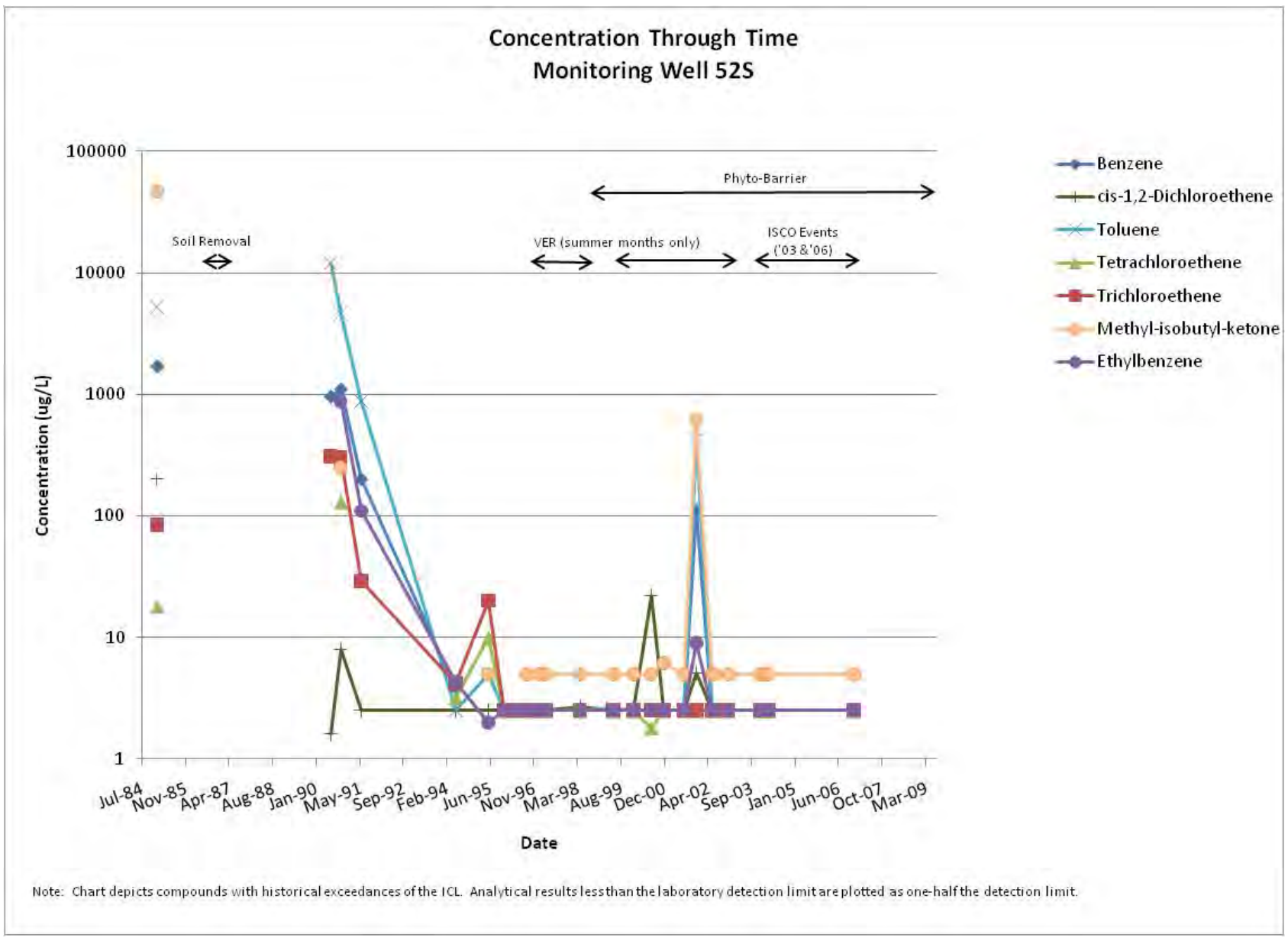
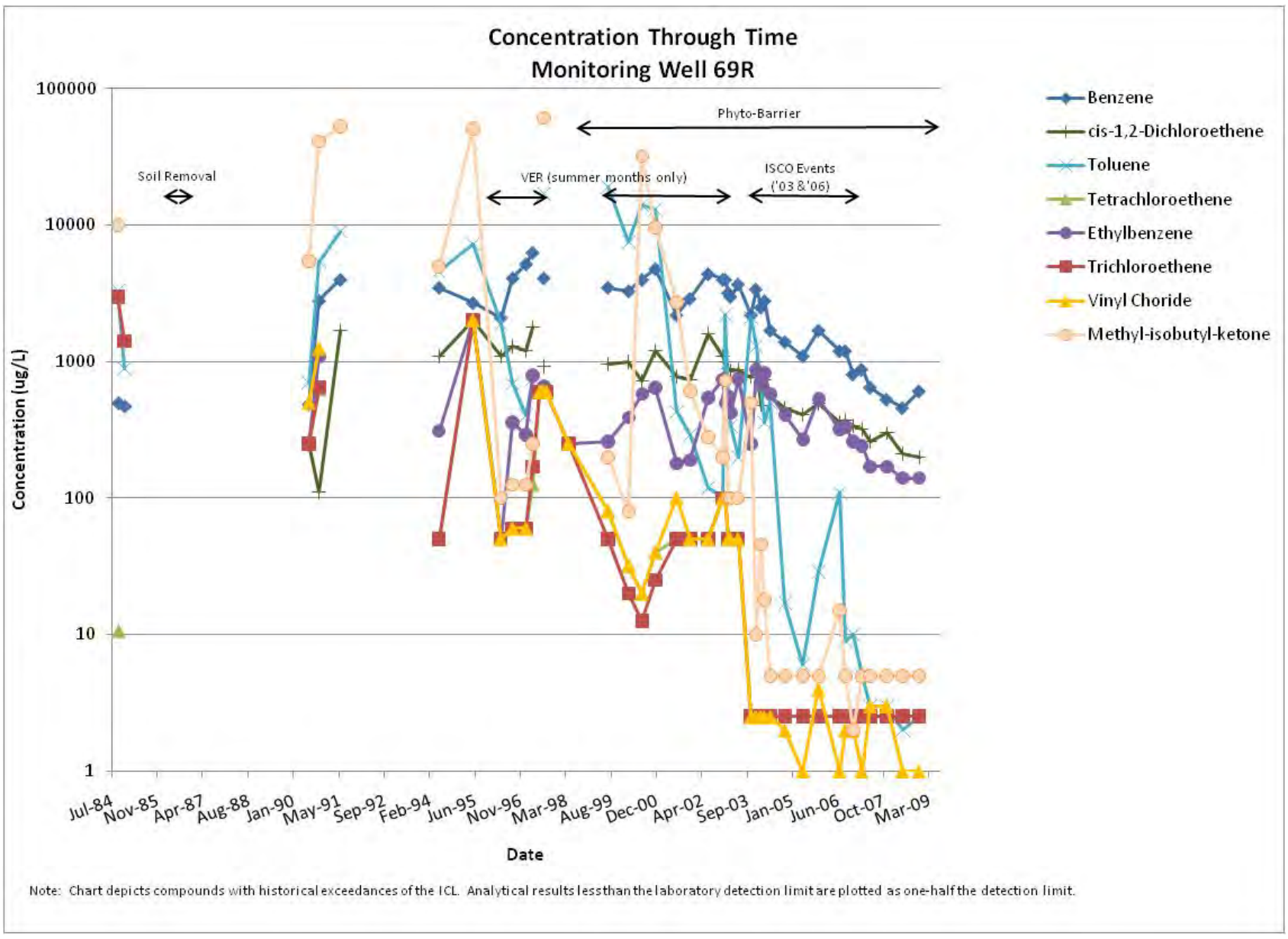
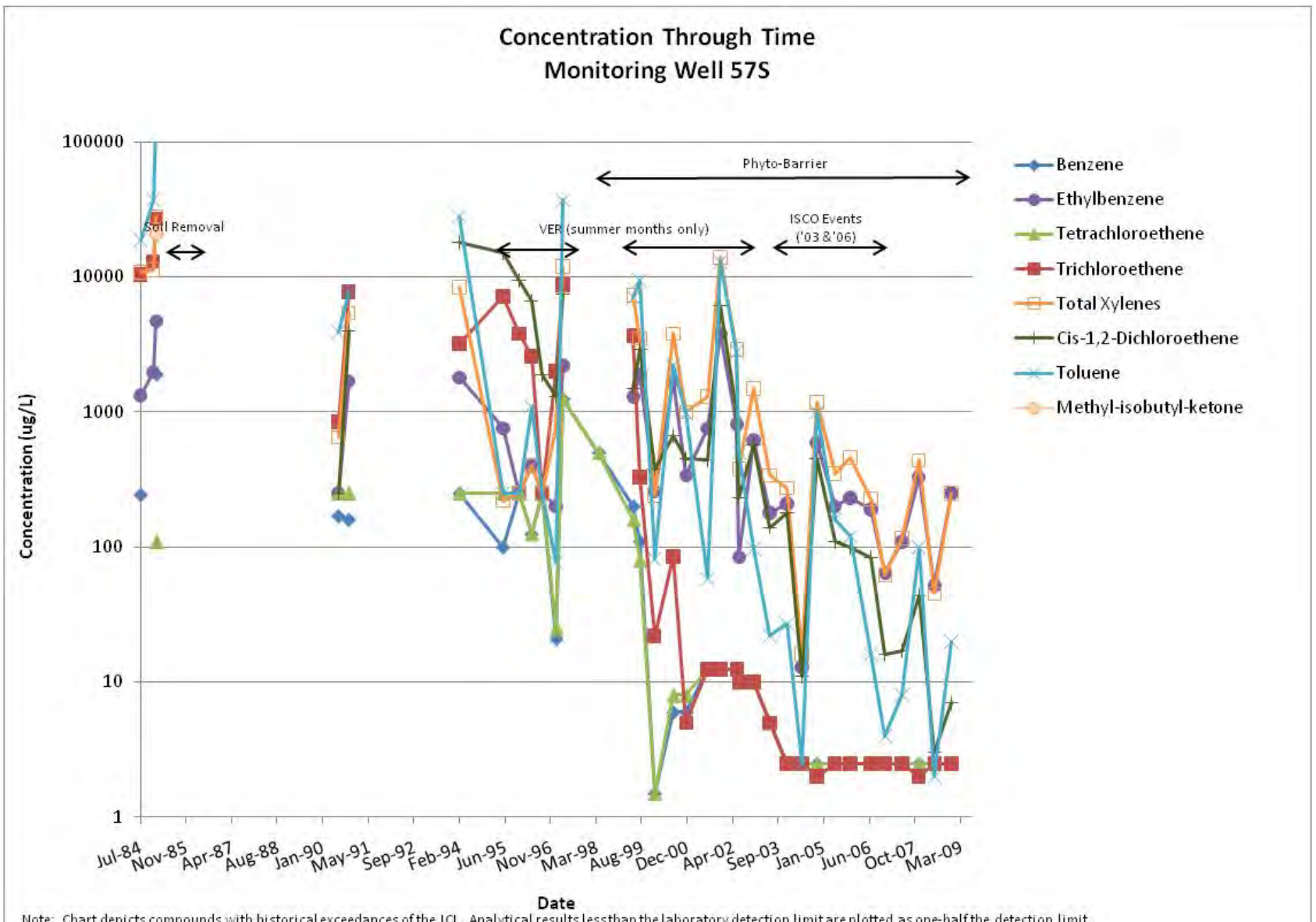
Comparison of Groundwater
COC Concentrations
In Overburden/Bedrock
Well Pairs

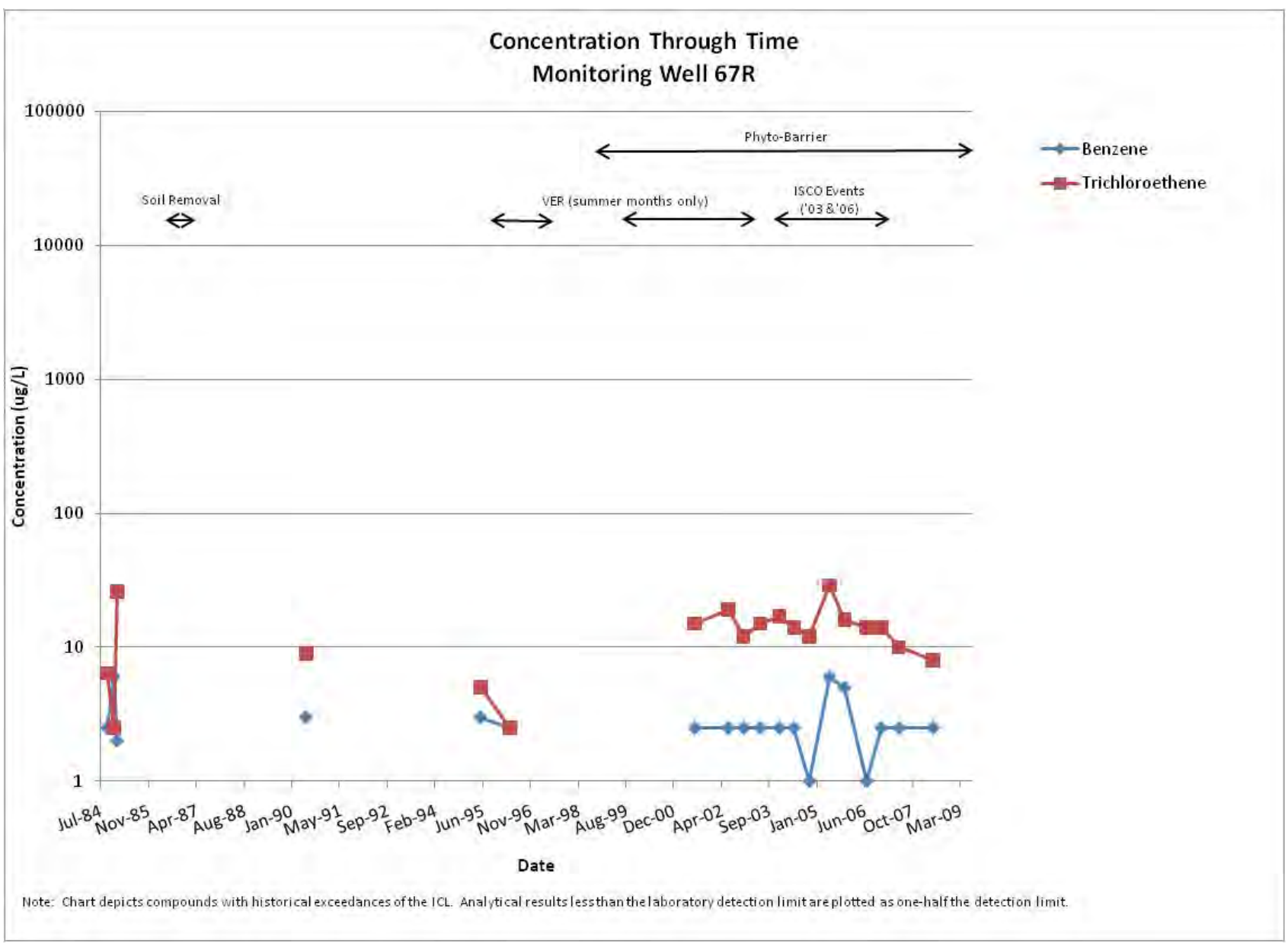




ARCADIS

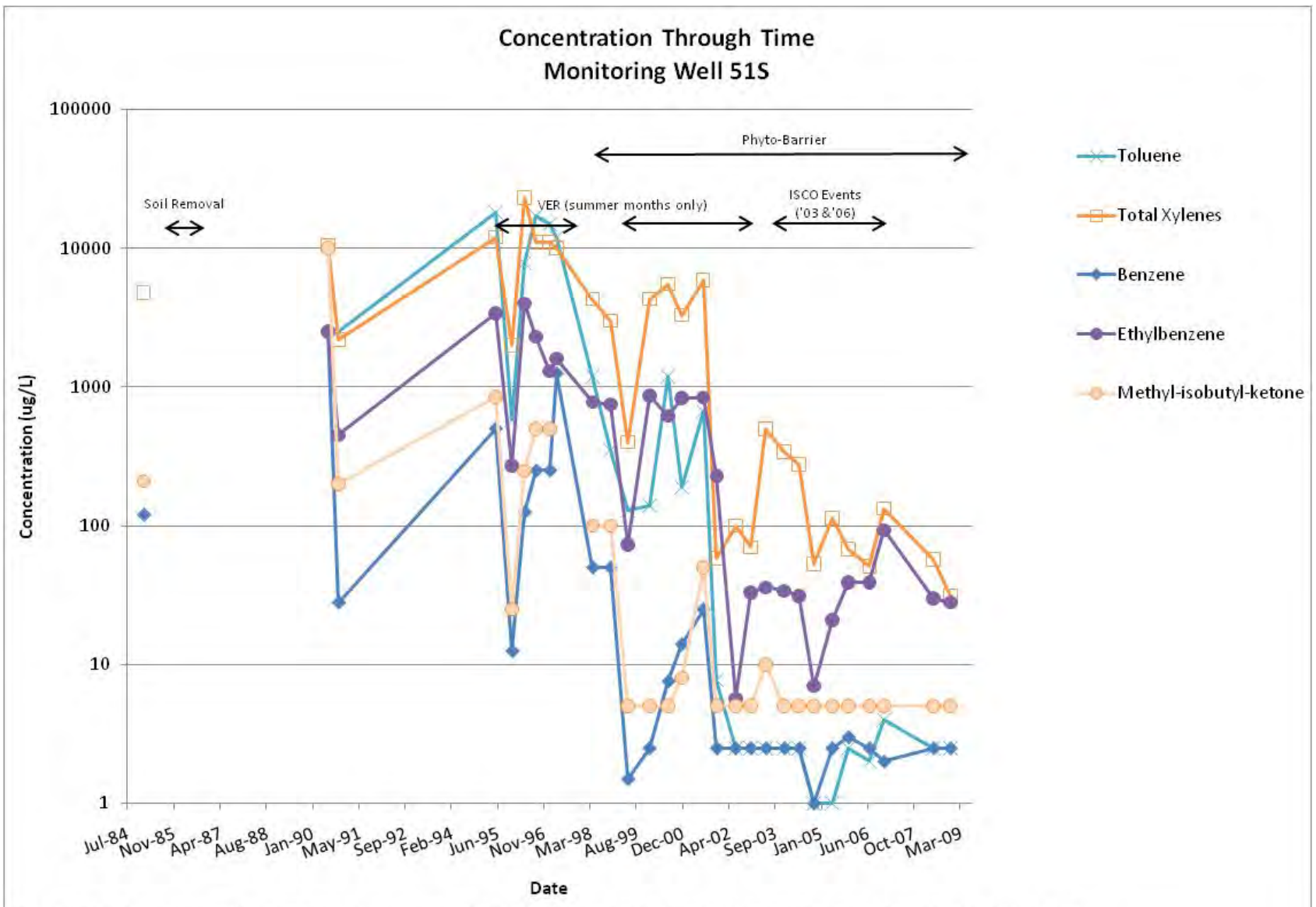
Comparison of Groundwater
COC Concentrations
In Overburden/Bedrock
Well Pairs

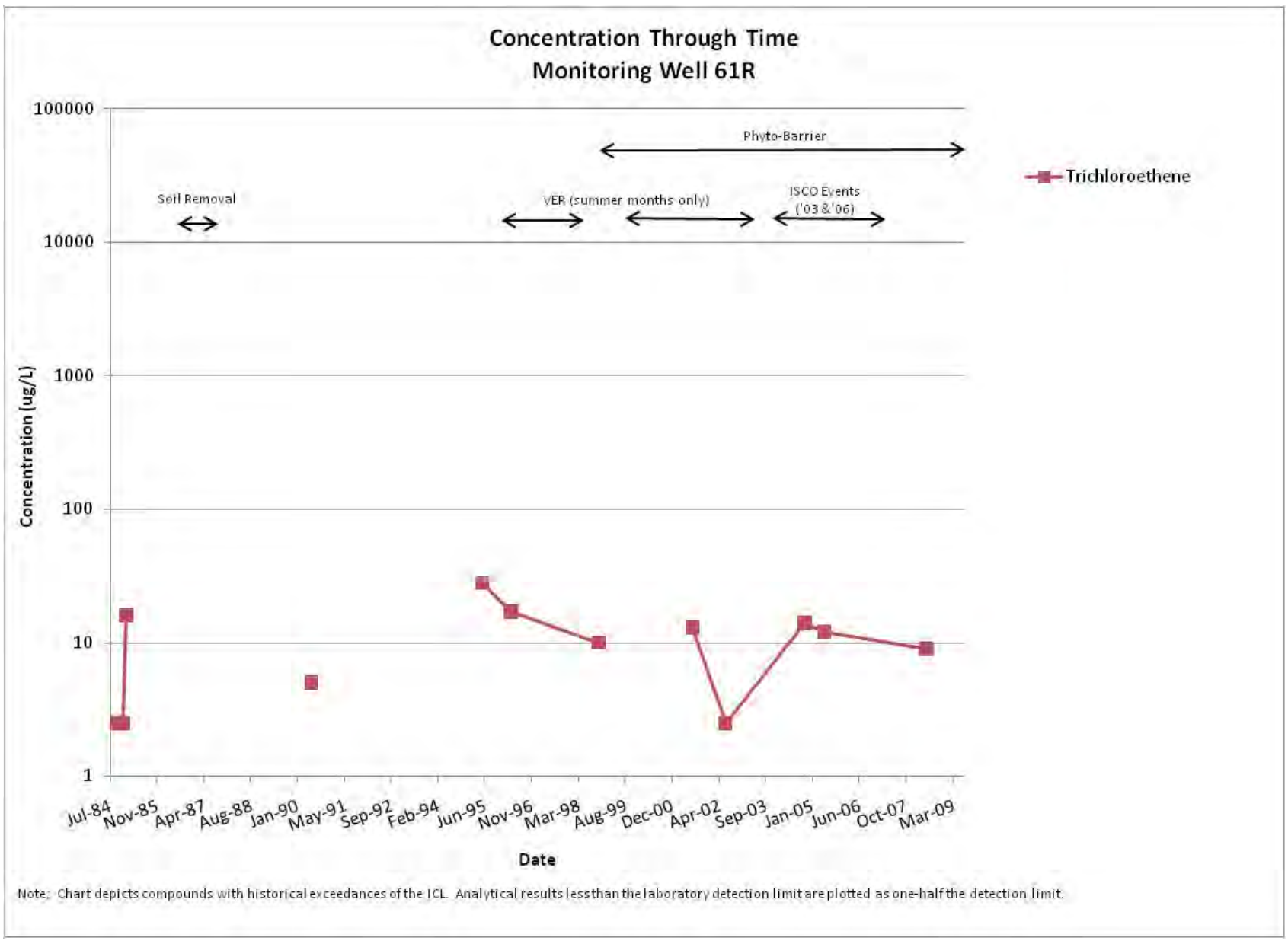




ARCADIS

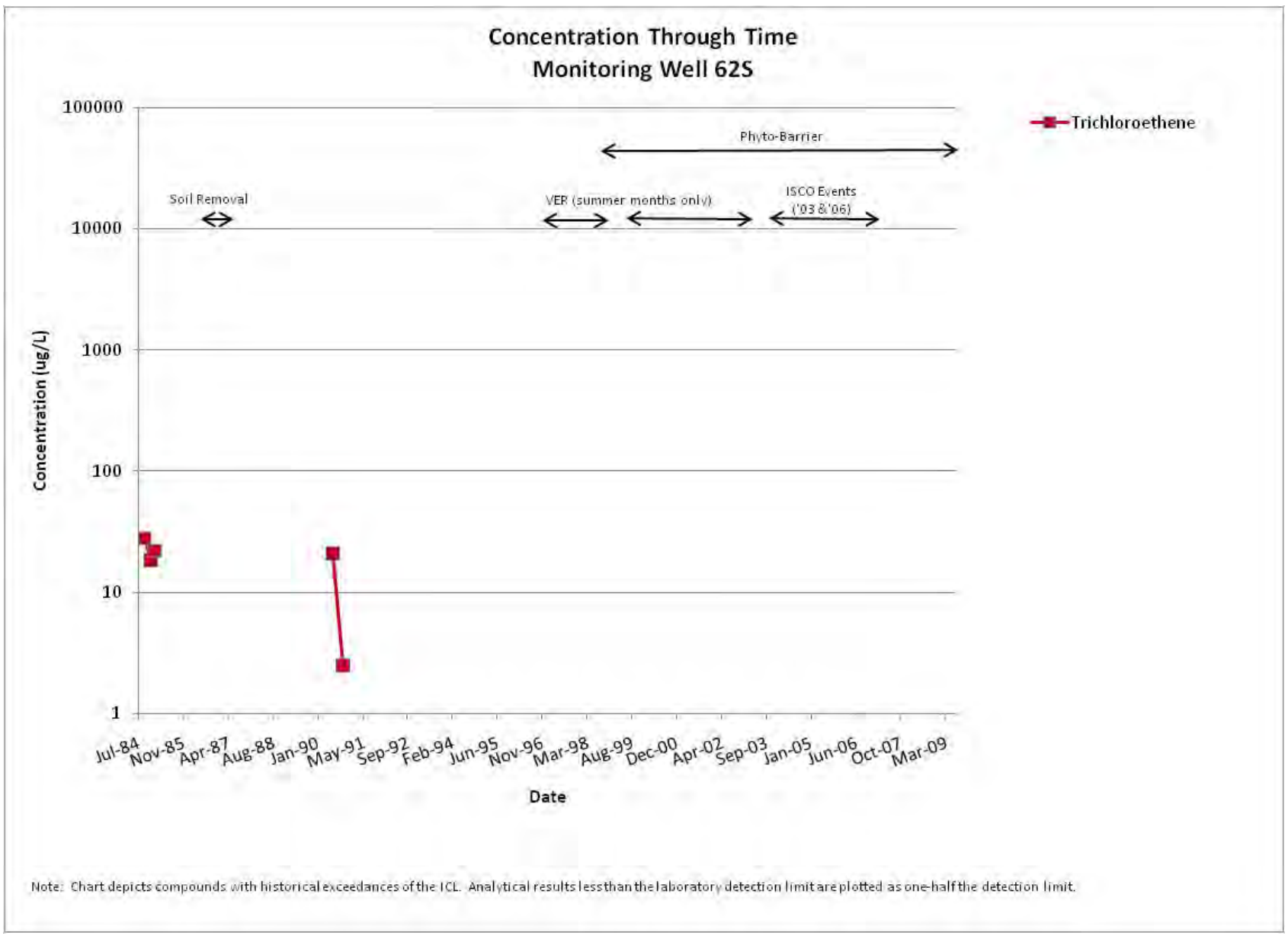
Comparison of Groundwater
COC Concentrations
In Overburden/Bedrock
Well Pairs

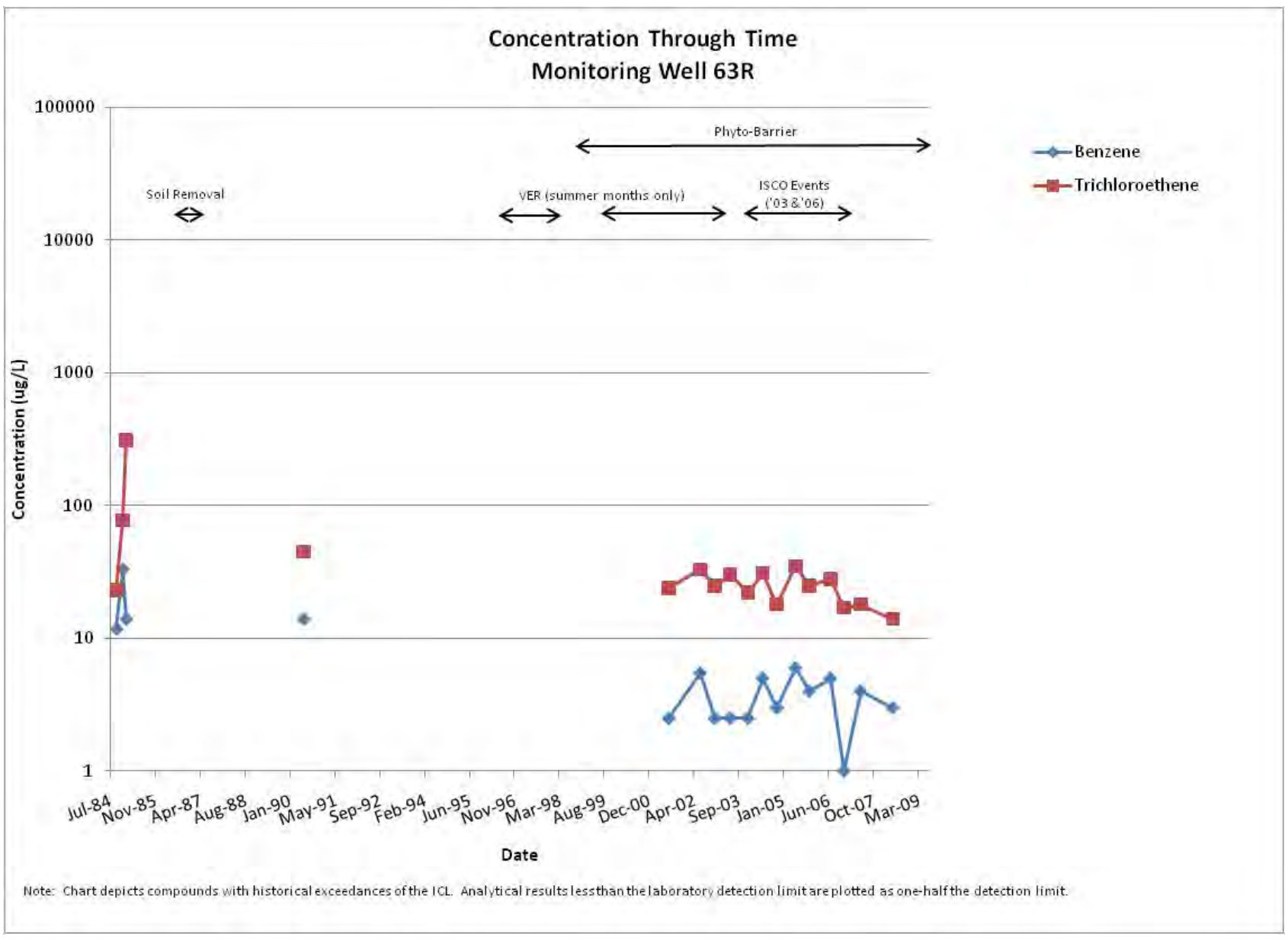




ARCADIS

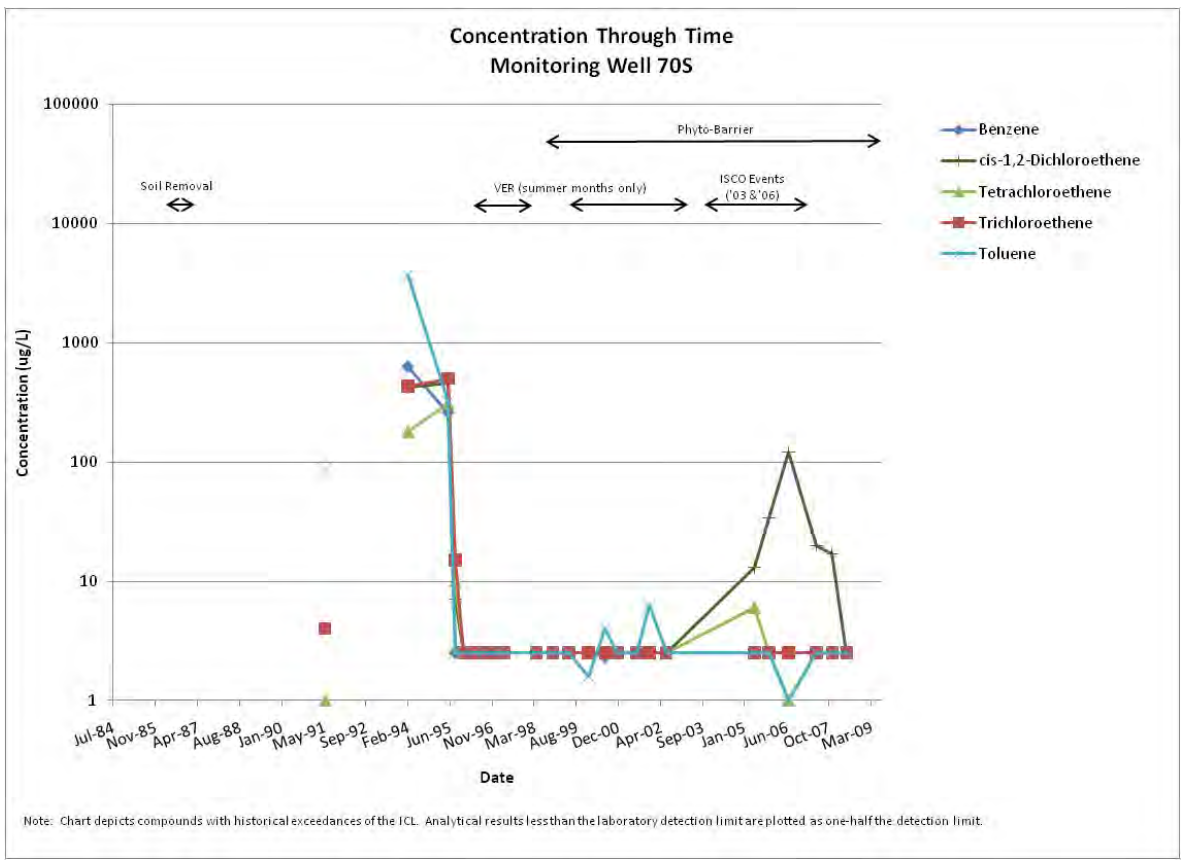
Comparison of Groundwater
COC Concentrations
In Overburden/Bedrock
Well Pairs

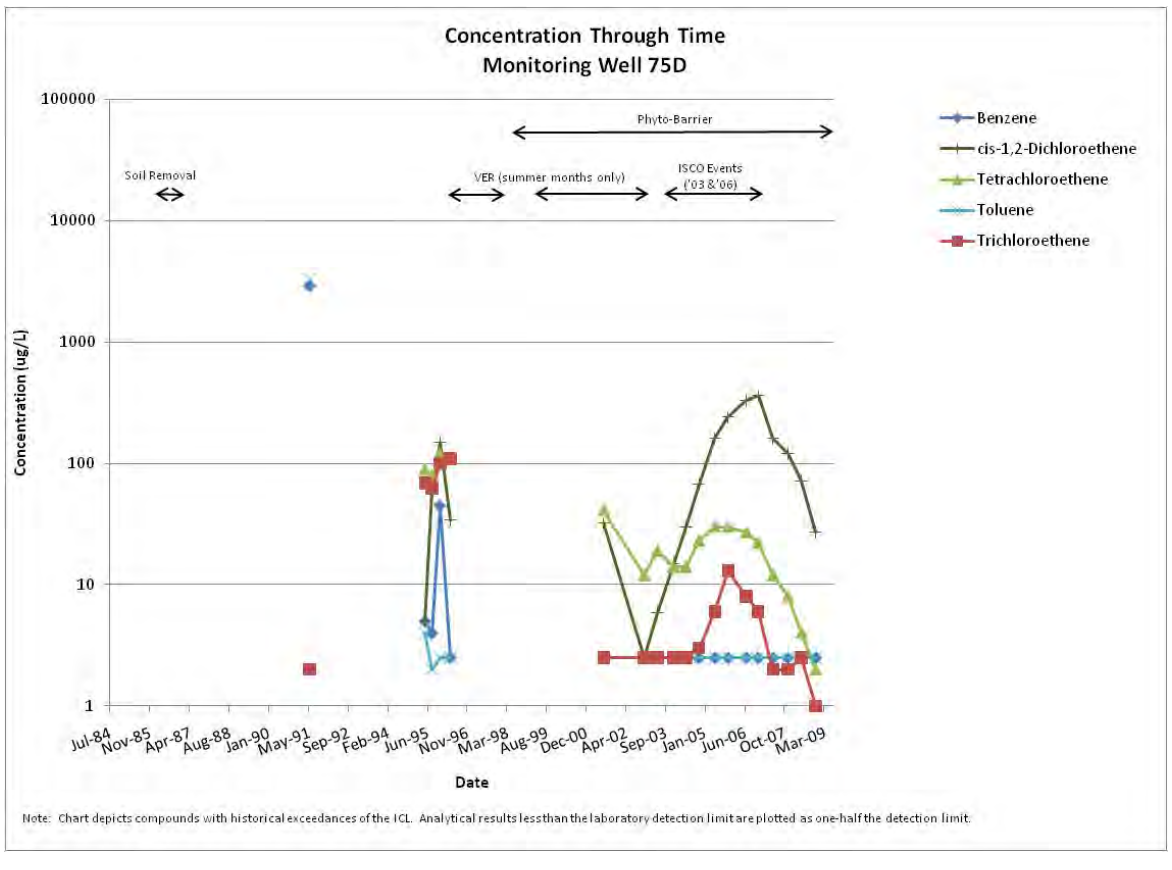


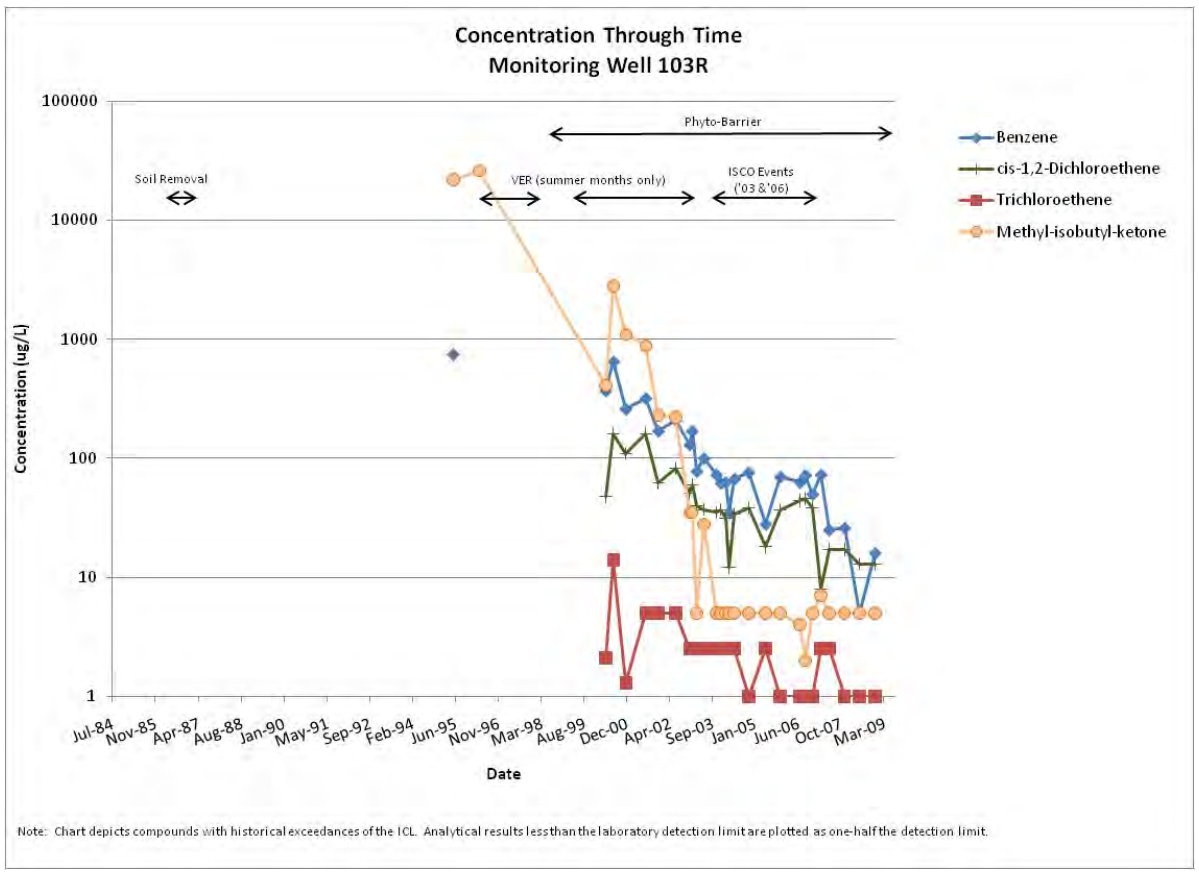


ARCADIS

Comparison of Groundwater COC Concentrations In Overburden/Bedrock Well Pairs

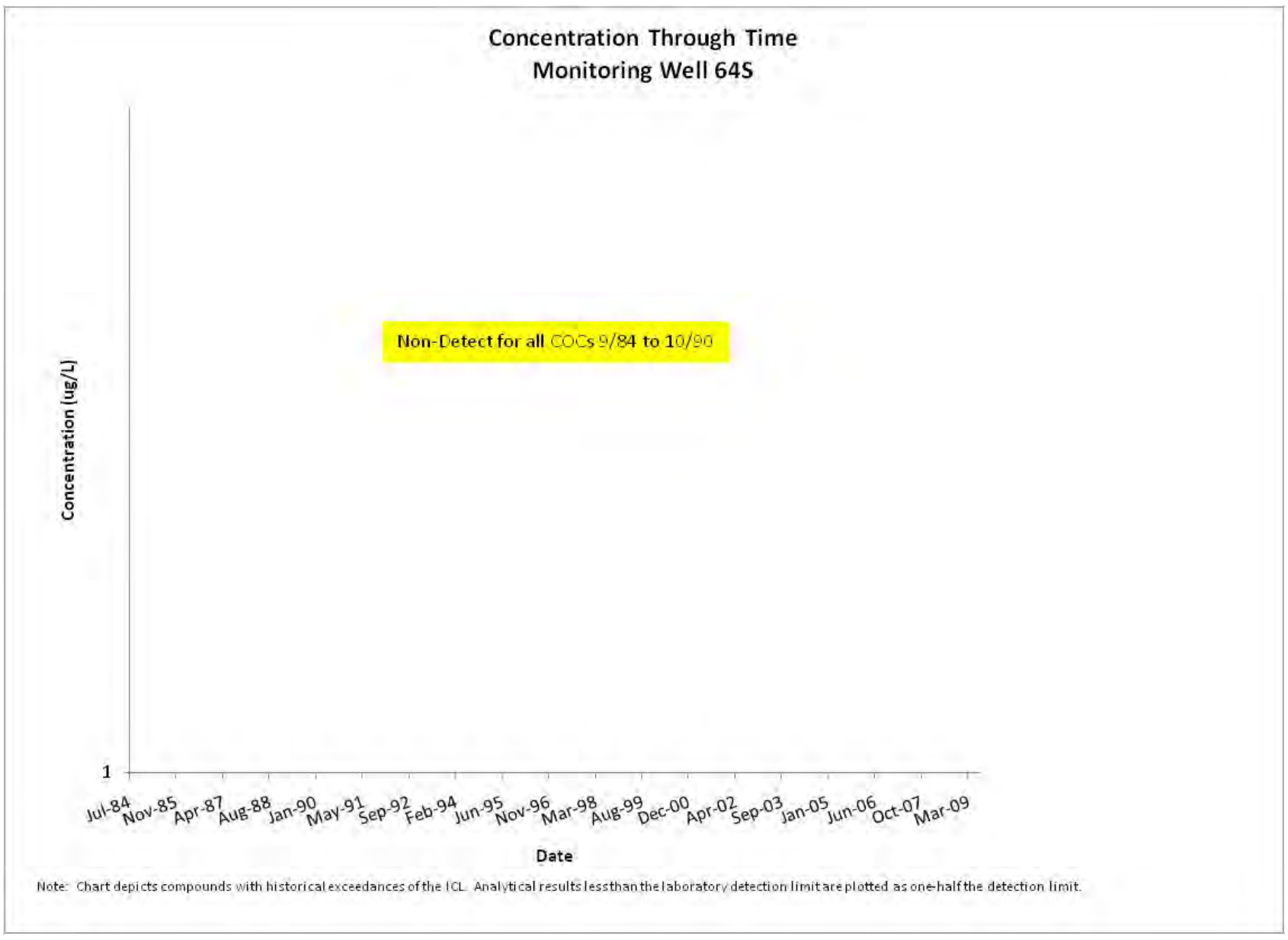


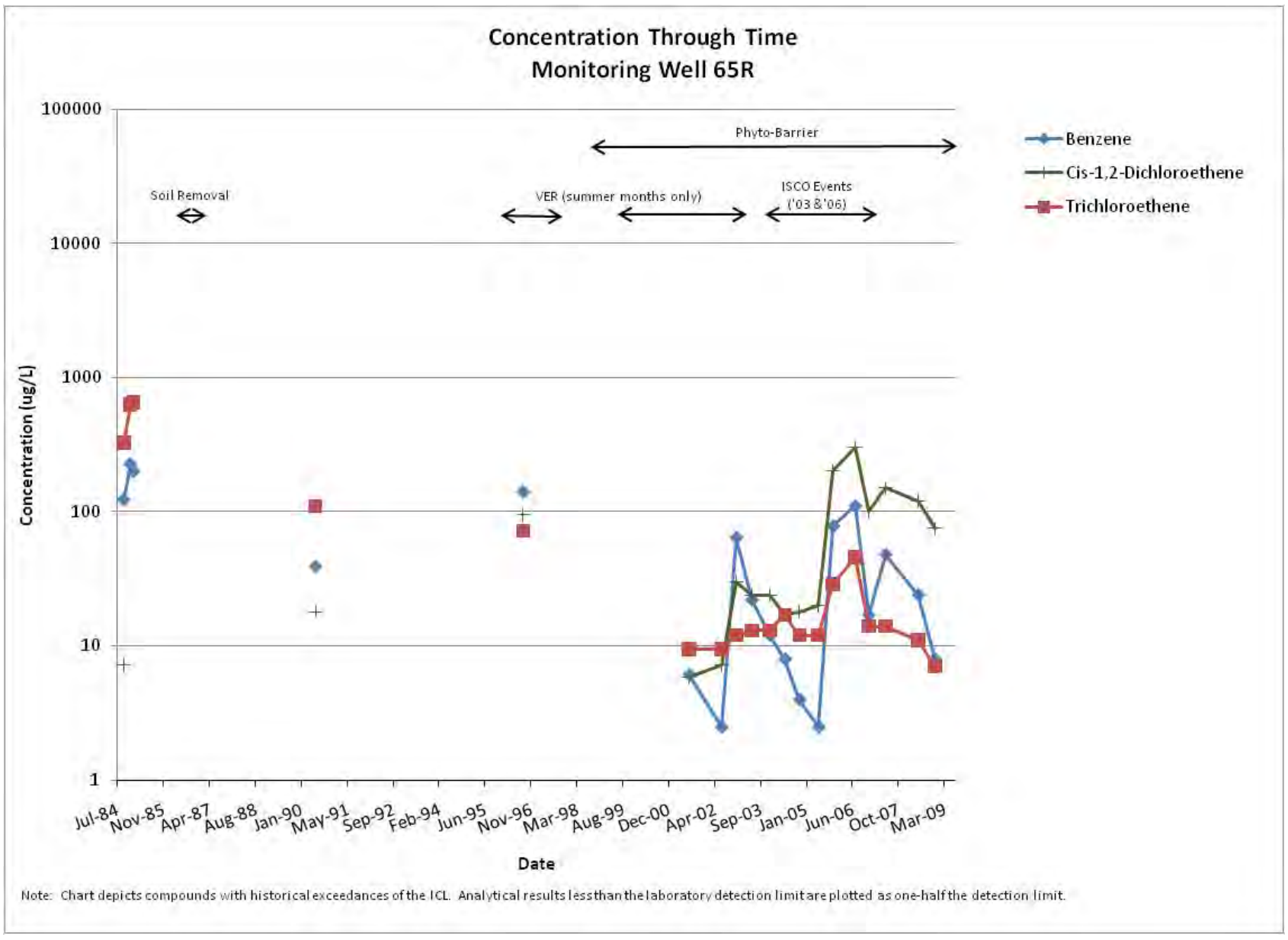




ARCADIS

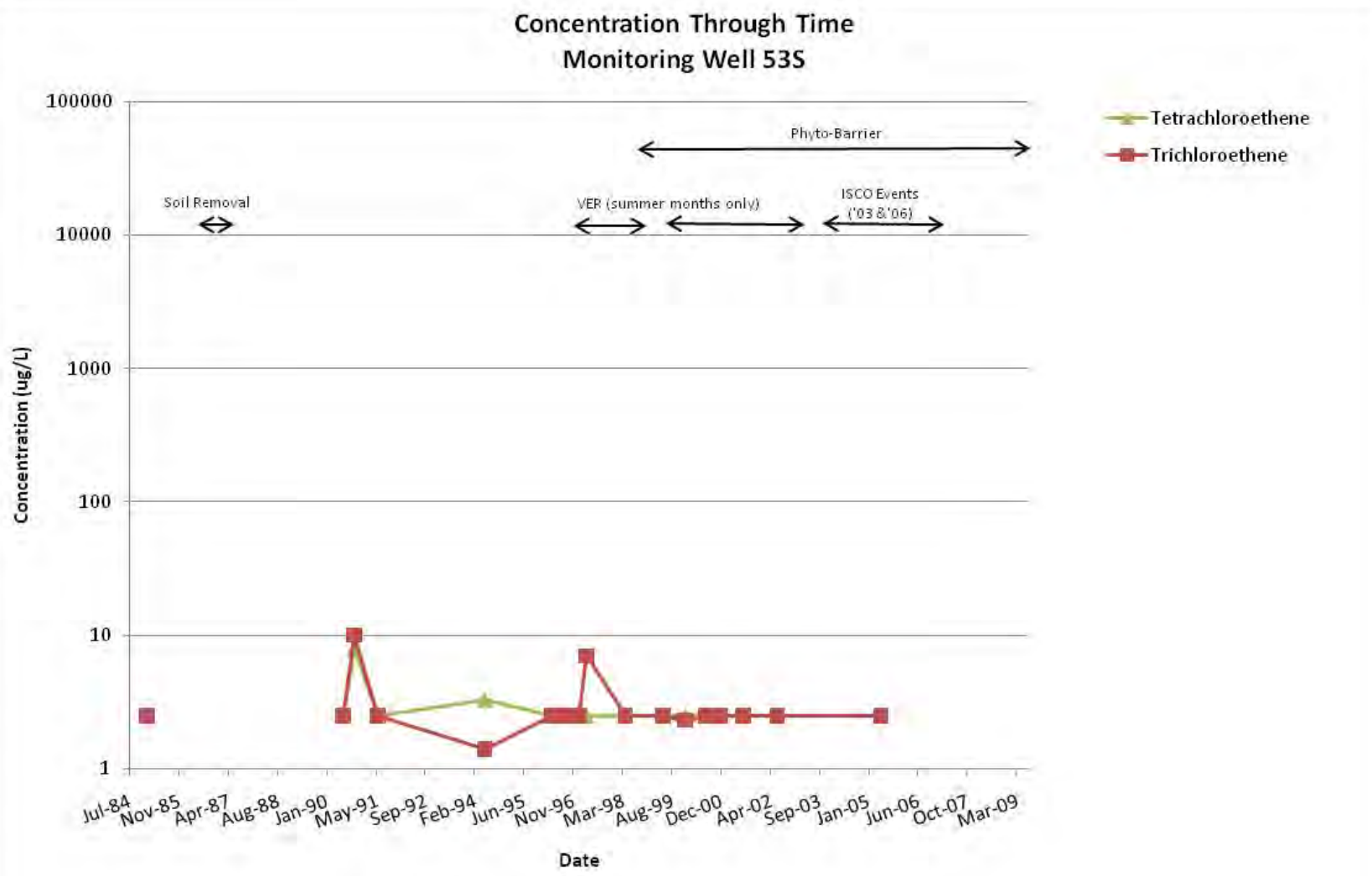
Comparison of Groundwater
COC Concentrations
In Overburden/Bedrock
Well Pairs



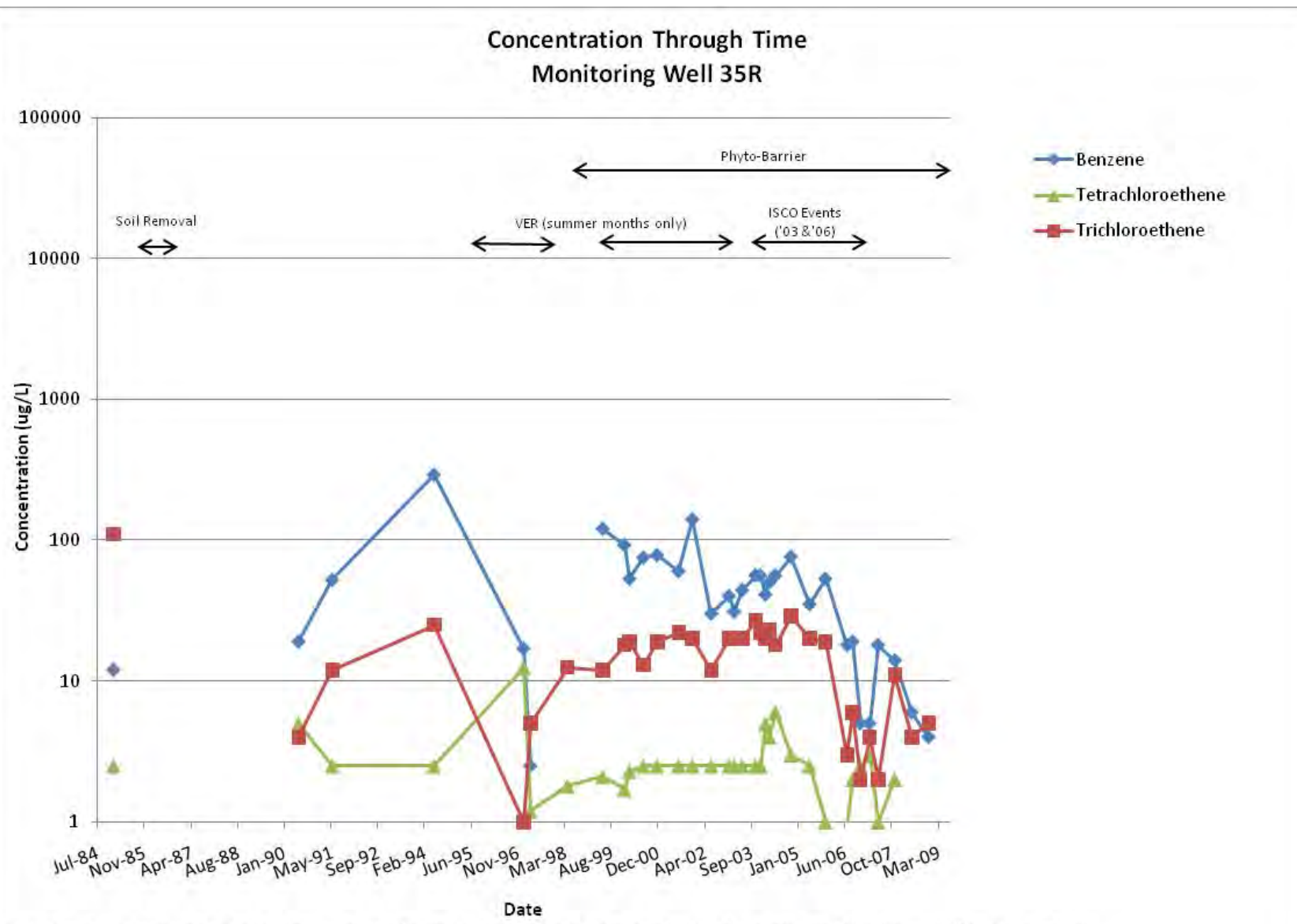


ARCADIS

Comparison of Groundwater
COC Concentrations
In Overburden/Bedrock
Well Pairs



Note: Chart depicts compounds with historical exceedances of the ICL. Analytical results less than the laboratory detection limit are plotted as one-half the detection limit.



Note: Chart depicts compounds with historical exceedances of the ICL. Analytical results less than the laboratory detection limit are plotted as one-half the detection limit.

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Appendix F

Laboratory Analytical Reports, Quality Assurance/Quality Control Results and Data Verification Reports

Quality Assurance/Quality Control Summary

Project sample handling and quality control procedures were followed during the May 2008, June 2008, and November 2008 sampling events. No target analytes were detected in trip blanks or method blanks unless noted below. A data validation review for each laboratory analytical data package was performed by ENOVIS, a laboratory management company. Results of the ENOVIS data reviews are presented in this Appendix. Of the quality control issues identified in the ENOVIS data verification, there were no laboratory quality control problems that significantly affected the analytical data. The following minor QC exceptions were noted:

<u>May 2008 Sampling Event</u>

- The sample collected from monitoring well 202R was received at the lab preserved at a pH above the EPA recommended limit of 2. The VOC analysis was not performed within the 7 days allowed for unpreserved water samples so VOC results for this sample should all be considered estimated and qualified with a J flag if detected and UJ flag if non-detect.
- The nitrite matrix spike (MS) recoveries performed the sample collected from monitoring well 70S were outside of laboratory control limits biased low. The nitrite results from this sample were non-detect so the associated reporting limit should be considered estimated and qualified with a UJ flag.
- The nitrite method blank showed a detection between the method detection limit (MDL) and reporting limit (RL). The sample collected from EW-10S also had nitrite present between the MDL and RL, so this result should be considered non-detect at the RL and qualified with a UB flag.
- The nitrate matrix spike and matrix spike duplicate (MS/MSD) recoveries performed on the sample collected from 169R were outside of laboratory control limits biased low. The nitrite result is already qualified as estimated due to the concentration being between the MDL and RL so further qualification is not required.
- The nitrite MS recovery performed on the sample collected from 169R was outside of laboratory control limits biased low. The MSD recovery and MS/MSD RPD were acceptable so qualification of the nitrite results from this sample is not required.
- GCMS VOC MS/MSD RPD performed on the sample collected from 169R was outside of laboratory control limits for 2-Butanone. Qualification of client sample results is not required based on this QC outlier.
- Nitrite MS/MSD recoveries performed on the sample collected from IW-3R were outside of laboratory control limits biased low. The nitrite result for this sample is already qualified as estimated due to the concentration being between the MDL and RL so further qualification is not required.
- GCMS VOC MS/MSD for cis-1,2-Dichloroethene was not calculable in QC batch R239302. The sample concentration was greater than 4x the spike. The sample was project specific (but randomly selected by the laboratory) for the sample collected from 265R (duplicate from well 65R). No qualification required.

- Nitrate/Nitrite MS and/or MSD recovered low outside of the labs acceptance window in QC batch R239242/R239273. The sample was project specific (but randomly selected by the laboratory) for the sample collected from 265R (duplicate of 65R).

- The Nitrate result was reported between the MDL and RDL and is flagged J as an estimated value. No further qualification required. The Nitrite result was reported non-detect. The MSD and MS/MSD RPD were in control. No qualification required.

June 2008 Sampling Event

- GCMS VOC MS/MSD RPD for 1,2-Dibromoethane, 2-Butanone, 2-Hexanone, 4-Methyl-2-pentanone, Acetone, Chloroethane and Vinyl chloride were above the labs acceptance limit in QC batch R243509. The MS and MSD spikes recovered in control. The sample is batch QC not related to this submittal. No qualification required.

- Metals MSD for Arsenic recovered low outside of the labs acceptance window in QC batch 81216. The MS spike and MS/MSD RPD recovered in control. The lab also performed a Post digestion spike which recovered slightly low outside of the labs acceptance window. The sample is batch QC not related to this submittal. No qualification required.

November 2008 Sampling Event

- The metals MS/MSD recoveries performed on the sample collected from EW-10S were not considered reliable and not used to qualify sample results for manganese due to elevated levels of target analyte in the original sample matrix relative to the amount spiked (4X rule). This sample was randomly selected by the laboratory for batch QC.

- GCMS VOC MS/MSD recoveries performed on the sample collected from IW-1R for benzene were not considered reliable and not used to qualify sample data due to elevated levels of the target analyte in the original sample matrix relative to the amount spiked (4X rule) for this analyte.

- Arsenic was detected in the metals method blank between the MDL and RL; therefore, for samples collected from 103R and EW-2S, arsenic results should be considered non-detect at the RL and qualified with UB flags.

- The GCMS VOC MSD recovery performed on the sample collected from IW-4R was outside of laboratory control limits biased low for benzene. Qualification was not required based on this QC outlier. MS/MSD recoveries for cis-1,2-dichloroethylene were not used to qualify the sample results due to elevated levels of this target analyte in the original sample matrix relative to the amount spiked (4X rule). This sample was randomly selected by the laboratory for batch QC.

- GCMS VOC MS/MSD RPD's were outside of laboratory control limits for 1,1-Dichloroethylene, 1,1-Dichloropropylene, Carbon disulfide, Carbon tetrachloride, Ethyl benzene, Tetrachloroethylene,

Trichloroethylene, m-Xylene, o-Xylene and Total Xylenes. Qualification of client sample results was not required based on these QC outliers.

- The trip blank submitted with samples collected from 202R and 69R had detections between the MDL and RL for chloroform and toluene; therefore, results for these analytes in those samples should be considered non-detect at the RL and qualified with UB flags.

- The GCMS VOC surrogate recoveries were outside of laboratory limits biased low for one out of three surrogates in the sample collected from 203R; therefore, VOC target analytes in this sample should be considered estimated and were qualified with J flags if detected and UJ flags if non-detect.

- Toluene was detected in the trip blank submitted with the sample collected from 65R; therefore, toluene results should be considered non-detect at the RL and qualified with a UB flag for the sample collected from 65R.

- The GCMS VOC MS/MSD recoveries performed on the sample collected from 57R were not used to qualify results for ethylbenzene and xylenes in this sample due to elevated levels of these analytes found in the original sample matrix relative to the amount spiked (4X rule) for these analytes. This sample was randomly selected by the laboratory for batch QC.

- GCMS VOC MS/MSD RPD's were outside of laboratory control limits for 1,1-Dichloroethylene, 1,1-Dichloropropylene, Carbon disulfide, Carbon tetrachloride, Ethyl benzene, Tetrachloroethylene, Trichloroethylene, m-Xylene, o-Xylene and Total Xylenes. Qualification of client sample results was not required based on these QC outliers.

Three replicate (duplicate) samples were collected during the May 2008 sampling event. These replicate samples were collected from wells 169R (identified as 269R), 65R (identified as 265R), and 57S (identified as 157S). The difference between the primary and replicate samples ranged from 3.9% to 14.9% for VOCs and 3.9 to 5.5% for metals in well 169R, 0% to 18.18% for VOCs and was 10.13% for metals in 65R, and 0% to 6.9% for VOCs and was 10.1% for metals in well 57S. Two replicate samples were collected during the November 2008 sampling event. These replicate samples were collected from wells 57S and 169S. The difference between the primary and replicate samples ranged from 0% to 8.8% for VOCs and 1.4 to 16.7% for metals in well 57S and 0% to 6.7% for VOCs and was 1.48% for metals in well 169R. All were within performance criteria.

June 09, 2008

Debra Stake
ARCADIS
175 Cabot Street, Suite 400
Lowell, MA US 01854

Enovis project ID: E101274
Project: Tibbetts Rd. sampling
Project number: MA000725
Laboratory: Southern Petroleum Laboratory (SPL) - Houston
Laboratory submittal: 08051372
Sample date: 2008-05-19
Report received by Enovis: 2008-06-09
Initial Data Verification completed by Enovis: 2008-06-09

Data verification for the report specified above was completed using the Ford Motor Company Environmental Laboratory Technical Specification, the Enovis Standard Operating Procedure for the Verification of Environmental Analytical Data and the associated analytical methods as references for evaluating the batch QC, sample data and report content. The EPA National Functional Guidelines for validating organic and inorganic data were used as guidance when addressing out of control QC results and the associated data qualifiers.

8 Water sample(s) and a client specified MS/MSD were analyzed for GCMS VOC, GC VOC, Metals and General Chemistry parameter(s).

Sample/MS/MSD Surrogate Recovery, Blank/LCS Surrogate Recovery, LCS/LCD Recovery, MS/MSD Recovery, MS/MSD RPD, Sample Duplicate RPD, Blank Contamination and Hold Time Exception were reviewed as part of our verification.

Analytical results reported between RDL and MDL are flagged 'J' and considered estimated values.

Qualifiers added during verification have been added to the electronic data which is available for download from the Enovis CLMS. Refer to the attached table of analytical results that have been qualified during verification.

The following minor QC exceptions or missing information were noted:

Client sample -04 was received at the lab with the vials to used for GCMS VOC preserved at a pH above the EPA recommended limit of 2. The VOC analysis was not performed within the 7 days allowed for unpreserved water samples so client sample -04 VOC results should all be considered estimated and qualified with a J flag if detected and UJ flag if non-detect.

Nitrite MS recoveries performed on client sample -08 were outside of laboratory control limits biased low. Client sample -08 Nitrite results were non-detect so the associated reporting limit should be considered estimated and qualified with a UJ flag.

Nitrite method blank showed a detection between the MDL and RL. Client sample -07 also had Nitrite present between the MDL and RL so this result should be considered non-detect at the RL and qualified with a UB flag.

The definitions of the qualifiers used for this data package are defined in the analytical report. Enovis valid qualifiers are defined in the table below. To view and download a PDF copy of the laboratory's analytical report access the Enovis CLMS at http://enovis-inc.com/enovis53/index.cfm.

Please contact me if you have any questions.

Sincerely,

Jim Tomalia

Project Scientist

7451 Third Street, Detroit Michigan 48202 (313) 872-6151

Enovis Valid Qualifiers

Valid Qualifiers	Description
<	Less than the reported concentration.
>	Greater than the reported concentration.
B	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was greater than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the reported concentration. For Inorganic methods the sample concentration was greater than the RDL and less than 10x the blank concentration and is considered non-detect at the reported concentration.
E	The analyte / Compound reported exceeds the calibration range and is considered estimated.
EMPC	Estimated Minimum Potential Contamination - Dioxin/Furan analyses only
J	Indicates an estimated value. This flag is used either when estimating a concentration for a tentatively identified compound or when the data indicates the presence of an analyte / compound but the result is less than the sample Quantitation limit, but greater than zero. The flag is also used in data validation to indicate a reported value should be considered estimated due to associated quality assurance deficiencies.
JH	The sample result is considered estimated and is potentially biased high.
JL	The sample result is considered estimated and is potentially biased low.
NJ	Tentatively identified compound with approximated concentration.
R	Indicates the value is considered to be unusable. (Note: The analyte / compound may or may not be present.)
TNTC	Too Numerous to Count - Asbestos and Microbiological Results
U	Indicates that the analyte / compound was analyzed for, but not detected.
UB	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was less than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the RDL. For Inorganic methods the sample concentration was less than the RDL and less than 10x the blank concentration and is considered non-detect at the RDL.
UJ	The analyte / compound was not detected above the reported sample Quantitation limit. However, the Quantitation limit is considered to be approximate due to associated quality assurance results and may or may not represent the actual limit of Quantitation to accurately and precisely report the analyte in the sample.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Enovis, Inc.

Certificate of Analysis Number:

08051372

Report To:	**Project Name:** E101274, Tibbetts Road
ARCADIS U.S., Inc.	**Site:** Tibbetts Rd.
Debra Stake	**Site Address:**
175 Cabot Street, Suite 400	
Lowell	**PO Number:**
MA	**State:** New Hampshire
01854-	**State Cert. No.:** 295301
ph: (978) 937-9999 fax:	**Date Reported:** 6/6/2008

This Report Contains A Total Of 52 Pages

Excluding This Page

And

Chain Of Custody

6/9/2008

Joann Marroquin
Project Manager

Date

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Case Narrative for:

Enovis, Inc.

Certificate of Analysis Number:

08051372

Report To:		**Project Name:**	**E101274, Tibbetts Road**
ARCADIS U.S., Inc.		**Site:**	**Tibbetts Rd.**
Debra Stake		**Site Address:**	
175 Cabot Street, Suite 400			
Lowell		**PO Number:**	
MA		**State:**	**New Hampshire**
01854-		**State Cert. No.:**	**295301**
ph: (978) 937-9999	**fax:**	**Date Reported:**	**6/6/2008**

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report (" mg\kg-dry " or " ug\kg-dry ").

The pH of sample ID "202R" (SPL ID: 08051372-04) was checked at the time of the Volatile Organics analysis and the pH was greater than 2. Although the sample was collected in a VOA vial preserved with HCl, the sample was not properly preserved to a pH less than 2, which may be due to the matrix of the sample. The analysis of the sample (WAS/WAS NOT) completed within seven days of the collection date.

Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

Some of the percent recoveries and RPD's on the QC report for the MS/MSD may be different than the calculated recoveries and RPD's using the sample result and the MS/MSD results that appear on the report because, the actual raw result is used to perform the calculations for percent recovery and RPD.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

6/9/2008

Joann Marroquin
Senior Project Manager

Date

Test results meet all requirements of NELAC, unless specified in the narrative.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Enovis, Inc.

Certificate of Analysis Number:

08051372

Report To: ARCADIS U.S., Inc.
Debra Stake
175 Cabot Street, Suite 400

Lowell
MA
01854-
ph: (978) 937-9999 fax: (978) 937-7555

Fax To:

Project Name: E101274, Tibbetts Road
Site: Tibbetts Rd.
Site Address:

PO Number:
State: New Hampshire
State Cert. No.: 295301
Date Reported: 6/6/2008

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
Trip Blank	08051372-01	Water	5/19/2008	5/20/2008 10:00:00 AM	295216	☐
79S	08051372-02	Water	5/19/2008 10:35:00 AM	5/20/2008 10:00:00 AM	295216	☐
51S	08051372-03	Water	5/19/2008 12:05:00 PM	5/20/2008 10:00:00 AM	295216	☐
202R	08051372-04	Water	5/19/2008 12:10:00 PM	5/20/2008 10:00:00 AM	295216	☐
203R	08051372-05	Water	5/19/2008 1:50:00 PM	5/20/2008 10:00:00 AM	295216	☐
204R	08051372-06	Water	5/19/2008 10:55:00 AM	5/20/2008 10:00:00 AM	295216	☐
EW-10S	08051372-07	Water	5/19/2008 2:50:00 PM	5/20/2008 10:00:00 AM	295216	☐
70-S	08051372-08	Water	5/19/2008 3:35:00 PM	5/20/2008 10:00:00 AM	295216	☐
70-SMS	08051372-08MS	Water	5/19/2008 3:35:00 PM	5/20/2008 10:00:00 AM	295216	☐
70-SMSD	08051372-08MSD	Water	5/19/2008 3:35:00 PM	5/20/2008 10:00:00 AM	295216	☐

6/9/2008

Joann Marroquin
Senior Project Manager

Date

Richard R. Reed
Laboratory Director

Ted Yen
Quality Assurance Officer

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: Trip Blank | **Collected:** 05/19/2008 0:00 | **SPL Sample ID:** 08051372-01

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	05/30/08 14:32	LU_L	4473494
1,1,1-Trichloroethane	ND		0.25	5	1	05/30/08 14:32	LU_L	4473494
1,1,2-Trichloroethane	ND		0.38	5	1	05/30/08 14:32	LU_L	4473494
1,1-Dichloroethane	ND		0.28	5	1	05/30/08 14:32	LU_L	4473494
1,1-Dichloroethene	ND		0.5	5	1	05/30/08 14:32	LU_L	4473494
1,1-Dichloropropene	ND		0.35	5	1	05/30/08 14:32	LU_L	4473494
1,2-Dibromoethane	ND		0.31	5	1	05/30/08 14:32	LU_L	4473494
2-Butanone	ND		3.2	20	1	05/30/08 14:32	LU_L	4473494
2-Hexanone	ND		0.47	10	1	05/30/08 14:32	LU_L	4473494
4-Methyl-2-pentanone	ND		0.31	10	1	05/30/08 14:32	LU_L	4473494
Acetone	ND		4.6	100	1	05/30/08 14:32	LU_L	4473494
Benzene	ND		0.35	5	1	05/30/08 14:32	LU_L	4473494
Bromodichloromethane	ND		0.25	5	1	05/30/08 14:32	LU_L	4473494
Bromoform	ND		0.5	5	1	05/30/08 14:32	LU_L	4473494
Bromomethane	ND		0.78	10	1	05/30/08 14:32	LU_L	4473494
Carbon disulfide	ND		0.25	5	1	05/30/08 14:32	LU_L	4473494
Carbon tetrachloride	ND		0.25	5	1	05/30/08 14:32	LU_L	4473494
Chlorobenzene	ND		0.3	5	1	05/30/08 14:32	LU_L	4473494
Chloroethane	ND		0.31	10	1	05/30/08 14:32	LU_L	4473494
Chloroform	ND		0.24	5	1	05/30/08 14:32	LU_L	4473494
Chloromethane	ND		0.3	10	1	05/30/08 14:32	LU_L	4473494
Dibromochloromethane	ND		0.36	5	1	05/30/08 14:32	LU_L	4473494
Dibromomethane	ND		0.3	5	1	05/30/08 14:32	LU_L	4473494
Ethylbenzene	ND		0.34	5	1	05/30/08 14:32	LU_L	4473494
Methylene chloride	ND		0.67	5	1	05/30/08 14:32	LU_L	4473494
Styrene	ND		0.7	5	1	05/30/08 14:32	LU_L	4473494
Tetrachloroethene	ND		0.49	5	1	05/30/08 14:32	LU_L	4473494
Toluene	ND		0.25	5	1	05/30/08 14:32	LU_L	4473494
Trichloroethene	ND		0.25	5	1	05/30/08 14:32	LU_L	4473494
Vinyl acetate	ND		0.57	10	1	05/30/08 14:32	LU_L	4473494
Vinyl chloride	ND		0.25	2	1	05/30/08 14:32	LU_L	4473494
cis-1,2-Dichloroethene	ND		0.48	5	1	05/30/08 14:32	LU_L	4473494
cis-1,3-Dichloropropene	ND		0.26	5	1	05/30/08 14:32	LU_L	4473494
m,p-Xylene	ND		0.3	1	1	05/30/08 14:32	LU_L	4473494
o-Xylene	ND		0.31	1	1	05/30/08 14:32	LU_L	4473494
trans-1,2-Dichloroethene	ND		0.35	5	1	05/30/08 14:32	LU_L	4473494
trans-1,3-Dichloropropene	ND		0.31	5	1	05/30/08 14:32	LU_L	4473494
Xylenes,Total	ND		0.3	1	1	05/30/08 14:32	LU_L	4473494
Surr: 1,2-Dichloroethane-d4	96.0		0	% 62-130	1	05/30/08 14:32	LU_L	4473494

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: Trip Blank | **Collected:** 05/19/2008 0:00 | **SPL Sample ID:** 08051372-01

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 4-Bromofluorobenzene	98.0		0	%	70-130	1	05/30/08 14:32	LU_L	4473494
Surr: Toluene-d8	92.0		0	%	74-122	1	05/30/08 14:32	LU_L	4473494

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 79S **Collected:** 05/19/2008 10:35 **SPL Sample ID:** 08051372-02

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL					**MCL**	**SW6010B Units: mg/L**		
Arsenic	ND		0.0192	0.1	1	06/03/08 22:39	EG	4484216
Arsenic	ND		0.0192	0.1	1	06/03/08 1:41	EG	4481964
Manganese	4.91		0.000957	0.005	1	06/03/08 22:39	EG	4484216
Manganese	5.14		0.000957	0.005	1	06/03/08 1:41	EG	4481964

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/30/2008 16:30	DDW	1.00

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
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* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 79S **Collected:** 05/19/2008 10:35 **SPL Sample ID:** 08051372-02

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	05/29/08 23:43	LU_L	4473379
1,1,1-Trichloroethane	ND		0.25	5	1	05/29/08 23:43	LU_L	4473379
1,1,2-Trichloroethane	ND		0.38	5	1	05/29/08 23:43	LU_L	4473379
1,1-Dichloroethane	ND		0.28	5	1	05/29/08 23:43	LU_L	4473379
1,1-Dichloroethene	ND		0.5	5	1	05/29/08 23:43	LU_L	4473379
1,1-Dichloropropene	ND		0.35	5	1	05/29/08 23:43	LU_L	4473379
1,2-Dibromoethane	ND		0.31	5	1	05/29/08 23:43	LU_L	4473379
2-Butanone	ND		3.2	20	1	05/29/08 23:43	LU_L	4473379
2-Hexanone	ND		0.47	10	1	05/29/08 23:43	LU_L	4473379
4-Methyl-2-pentanone	ND		0.31	10	1	05/29/08 23:43	LU_L	4473379
Acetone	ND		4.6	100	1	05/29/08 23:43	LU_L	4473379
Benzene	ND		0.35	5	1	05/29/08 23:43	LU_L	4473379
Bromodichloromethane	ND		0.25	5	1	05/29/08 23:43	LU_L	4473379
Bromoform	ND		0.5	5	1	05/29/08 23:43	LU_L	4473379
Bromomethane	ND		0.78	10	1	05/29/08 23:43	LU_L	4473379
Carbon disulfide	ND		0.25	5	1	05/29/08 23:43	LU_L	4473379
Carbon tetrachloride	ND		0.25	5	1	05/29/08 23:43	LU_L	4473379
Chlorobenzene	ND		0.3	5	1	05/29/08 23:43	LU_L	4473379
Chloroethane	ND		0.31	10	1	05/29/08 23:43	LU_L	4473379
Chloroform	ND		0.24	5	1	05/29/08 23:43	LU_L	4473379
Chloromethane	2	J	0.3	10	1	05/29/08 23:43	LU_L	4473379
Dibromochloromethane	ND		0.36	5	1	05/29/08 23:43	LU_L	4473379
Dibromomethane	ND		0.3	5	1	05/29/08 23:43	LU_L	4473379
Ethylbenzene	ND		0.34	5	1	05/29/08 23:43	LU_L	4473379
Methylene chloride	ND		0.67	5	1	05/29/08 23:43	LU_L	4473379
Styrene	ND		0.7	5	1	05/29/08 23:43	LU_L	4473379
Tetrachloroethene	ND		0.49	5	1	05/29/08 23:43	LU_L	4473379
Toluene	ND		0.25	5	1	05/29/08 23:43	LU_L	4473379
Trichloroethene	ND		0.25	5	1	05/29/08 23:43	LU_L	4473379
Vinyl acetate	ND		0.57	10	1	05/29/08 23:43	LU_L	4473379
Vinyl chloride	ND		0.25	2	1	05/29/08 23:43	LU_L	4473379
cis-1,2-Dichloroethene	ND		0.48	5	1	05/29/08 23:43	LU_L	4473379
cis-1,3-Dichloropropene	ND		0.26	5	1	05/29/08 23:43	LU_L	4473379
m,p-Xylene	ND		0.3	1	1	05/29/08 23:43	LU_L	4473379
o-Xylene	ND		0.31	1	1	05/29/08 23:43	LU_L	4473379
trans-1,2-Dichloroethene	ND		0.35	5	1	05/29/08 23:43	LU_L	4473379
trans-1,3-Dichloropropene	ND		0.31	5	1	05/29/08 23:43	LU_L	4473379
Xylenes,Total	ND		0.3	1	1	05/29/08 23:43	LU_L	4473379
Surr: 1,2-Dichloroethane-d4	90.0		0	% 62-130	1	05/29/08 23:43	LU_L	4473379

Joann Marroquin
Project Manager

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
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MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 79S **Collected:** 05/19/2008 10:35 **SPL Sample ID:** 08051372-02

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 4-Bromofluorobenzene	100		0	%	70-130	1	05/29/08 23:43	LU_L	4473379
Surr: Toluene-d8	96.0		0	%	74-122	1	05/29/08 23:43	LU_L	4473379

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 79S **Collected:** 05/19/2008 10:35 **SPL Sample ID:** 08051372-02

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
NITRATE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrate (As N)	1.15		0.153	0.5	1	05/20/08 13:38	TW	4454521
NITRITE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrite	ND		0.136	0.5	1	05/20/08 16:00	TW	4454582

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
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E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 51S **Collected:** 05/19/2008 12:05 **SPL Sample ID:** 08051372-03

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B Units: mg/L**			
Arsenic	0.133		0.0192	0.1	1	06/03/08 2:35	EG	4481975
Manganese	4.25		0.000957	0.005	1	06/03/08 2:35	EG	4481975

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/29/2008 16:25	DDW	1.00

Joann Marroquin
Project Manager

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* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 51S **Collected:** 05/19/2008 12:05 **SPL Sample ID:** 08051372-03

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	05/30/08 0:11	LU_L	4473380
1,1,1-Trichloroethane	ND		0.25	5	1	05/30/08 0:11	LU_L	4473380
1,1,2-Trichloroethane	ND		0.38	5	1	05/30/08 0:11	LU_L	4473380
1,1-Dichloroethane	ND		0.28	5	1	05/30/08 0:11	LU_L	4473380
1,1-Dichloroethene	ND		0.5	5	1	05/30/08 0:11	LU_L	4473380
1,1-Dichloropropene	ND		0.35	5	1	05/30/08 0:11	LU_L	4473380
1,2-Dibromoethane	ND		0.31	5	1	05/30/08 0:11	LU_L	4473380
2-Butanone	ND		3.2	20	1	05/30/08 0:11	LU_L	4473380
2-Hexanone	ND		0.47	10	1	05/30/08 0:11	LU_L	4473380
4-Methyl-2-pentanone	ND		0.31	10	1	05/30/08 0:11	LU_L	4473380
Acetone	ND		4.6	100	1	05/30/08 0:11	LU_L	4473380
Benzene	ND		0.35	5	1	05/30/08 0:11	LU_L	4473380
Bromodichloromethane	ND		0.25	5	1	05/30/08 0:11	LU_L	4473380
Bromoform	ND		0.5	5	1	05/30/08 0:11	LU_L	4473380
Bromomethane	ND		0.78	10	1	05/30/08 0:11	LU_L	4473380
Carbon disulfide	ND		0.25	5	1	05/30/08 0:11	LU_L	4473380
Carbon tetrachloride	ND		0.25	5	1	05/30/08 0:11	LU_L	4473380
Chlorobenzene	ND		0.3	5	1	05/30/08 0:11	LU_L	4473380
Chloroethane	ND		0.31	10	1	05/30/08 0:11	LU_L	4473380
Chloroform	ND		0.24	5	1	05/30/08 0:11	LU_L	4473380
Chloromethane	1	J	0.3	10	1	05/30/08 0:11	LU_L	4473380
Dibromochloromethane	ND		0.36	5	1	05/30/08 0:11	LU_L	4473380
Dibromomethane	ND		0.3	5	1	05/30/08 0:11	LU_L	4473380
Ethylbenzene	30		0.34	5	1	05/30/08 0:11	LU_L	4473380
Methylene chloride	ND		0.67	5	1	05/30/08 0:11	LU_L	4473380
Styrene	ND		0.7	5	1	05/30/08 0:11	LU_L	4473380
Tetrachloroethene	ND		0.49	5	1	05/30/08 0:11	LU_L	4473380
Toluene	ND		0.25	5	1	05/30/08 0:11	LU_L	4473380
Trichloroethene	ND		0.25	5	1	05/30/08 0:11	LU_L	4473380
Vinyl acetate	ND		0.57	10	1	05/30/08 0:11	LU_L	4473380
Vinyl chloride	ND		0.25	2	1	05/30/08 0:11	LU_L	4473380
cis-1,2-Dichloroethene	ND		0.48	5	1	05/30/08 0:11	LU_L	4473380
cis-1,3-Dichloropropene	ND		0.26	5	1	05/30/08 0:11	LU_L	4473380
m,p-Xylene	48		0.3	1	1	05/30/08 0:11	LU_L	4473380
o-Xylene	9		0.31	1	1	05/30/08 0:11	LU_L	4473380
trans-1,2-Dichloroethene	ND		0.35	5	1	05/30/08 0:11	LU_L	4473380
trans-1,3-Dichloropropene	ND		0.31	5	1	05/30/08 0:11	LU_L	4473380
Xylenes,Total	57		0.3	1	1	05/30/08 0:11	LU_L	4473380
Surr: 1,2-Dichloroethane-d4	90.0		0	% 62-130	1	05/30/08 0:11	LU_L	4473380

Joann Marroquin
Project Manager

Qualifiers:

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TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 51S **Collected:** 05/19/2008 12:05 **SPL Sample ID:** 08051372-03

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 4-Bromofluorobenzene	102		0	%	70-130	1	05/30/08 0:11	LU_L	4473380
Surr: Toluene-d8	96.0		0	%	74-122	1	05/30/08 0:11	LU_L	4473380

Joann Marroquin
Project Manager

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 51S **Collected:** 05/19/2008 12:05 **SPL Sample ID:** 08051372-03

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
NITRATE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrate (As N)	0.245	J	0.153	0.5	1	05/20/08 13:38	TW	4454522
NITRITE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrite	ND		0.136	0.5	1	05/20/08 16:00	TW	4454583

Joann Marroquin
Project Manager

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 202R **Collected:** 05/19/2008 12:10 **SPL Sample ID:** 08051372-04

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
HEADSPACE GAS ANALYSIS					**MCL**	**RSK147 Units: mg/L**		
Ethane	ND		0.0025	0.0025	1	05/30/08 11:05	E_S1	4471828
Ethylene	ND		0.0032	0.0032	1	05/30/08 11:05	E_S1	4471828
Methane	0.0099		0.0012	0.0012	1	05/30/08 11:05	E_S1	4471828

Joann Marroquin
Project Manager

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 202R **Collected:** 05/19/2008 12:10 **SPL Sample ID:** 08051372-04

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL					**MCL**	**SW6010B Units: mg/L**		
Arsenic	0.042	J	0.0192	0.1	1	06/03/08 2:40	EG	4481976
Manganese	0.19		0.000957	0.005	1	06/03/08 2:40	EG	4481976

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/29/2008 16:25	DDW	1.00

Joann Marroquin
Project Manager

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 202R **Collected:** 05/19/2008 12:10 **SPL Sample ID:** 08051372-04

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	05/30/08 0:39	LU_L	4473381
1,1,1-Trichloroethane	ND		0.25	5	1	05/30/08 0:39	LU_L	4473381
1,1,2-Trichloroethane	ND		0.38	5	1	05/30/08 0:39	LU_L	4473381
1,1-Dichloroethane	ND		0.28	5	1	05/30/08 0:39	LU_L	4473381
1,1-Dichloroethene	ND		0.5	5	1	05/30/08 0:39	LU_L	4473381
1,1-Dichloropropene	ND		0.35	5	1	05/30/08 0:39	LU_L	4473381
1,2-Dibromoethane	ND		0.31	5	1	05/30/08 0:39	LU_L	4473381
2-Butanone	ND		3.2	20	1	05/30/08 0:39	LU_L	4473381
2-Hexanone	ND		0.47	10	1	05/30/08 0:39	LU_L	4473381
4-Methyl-2-pentanone	ND		0.31	10	1	05/30/08 0:39	LU_L	4473381
Acetone	ND		4.6	100	1	05/30/08 0:39	LU_L	4473381
Benzene	ND		0.35	5	1	05/30/08 0:39	LU_L	4473381
Bromodichloromethane	ND		0.25	5	1	05/30/08 0:39	LU_L	4473381
Bromoform	ND		0.5	5	1	05/30/08 0:39	LU_L	4473381
Bromomethane	ND		0.78	10	1	05/30/08 0:39	LU_L	4473381
Carbon disulfide	ND		0.25	5	1	05/30/08 0:39	LU_L	4473381
Carbon tetrachloride	ND		0.25	5	1	05/30/08 0:39	LU_L	4473381
Chlorobenzene	ND		0.3	5	1	05/30/08 0:39	LU_L	4473381
Chloroethane	ND		0.31	10	1	05/30/08 0:39	LU_L	4473381
Chloroform	ND		0.24	5	1	05/30/08 0:39	LU_L	4473381
Chloromethane	ND		0.3	10	1	05/30/08 0:39	LU_L	4473381
Dibromochloromethane	ND		0.36	5	1	05/30/08 0:39	LU_L	4473381
Dibromomethane	ND		0.3	5	1	05/30/08 0:39	LU_L	4473381
Ethylbenzene	ND		0.34	5	1	05/30/08 0:39	LU_L	4473381
Methylene chloride	ND		0.67	5	1	05/30/08 0:39	LU_L	4473381
Styrene	ND		0.7	5	1	05/30/08 0:39	LU_L	4473381
Tetrachloroethene	ND		0.49	5	1	05/30/08 0:39	LU_L	4473381
Toluene	ND		0.25	5	1	05/30/08 0:39	LU_L	4473381
Trichloroethene	ND		0.25	5	1	05/30/08 0:39	LU_L	4473381
Vinyl acetate	ND		0.57	10	1	05/30/08 0:39	LU_L	4473381
Vinyl chloride	ND		0.25	2	1	05/30/08 0:39	LU_L	4473381
cis-1,2-Dichloroethene	7		0.48	5	1	05/30/08 0:39	LU_L	4473381
cis-1,3-Dichloropropene	ND		0.26	5	1	05/30/08 0:39	LU_L	4473381
m,p-Xylene	ND		0.3	1	1	05/30/08 0:39	LU_L	4473381
o-Xylene	ND		0.31	1	1	05/30/08 0:39	LU_L	4473381
trans-1,2-Dichloroethene	ND		0.35	5	1	05/30/08 0:39	LU_L	4473381
trans-1,3-Dichloropropene	ND		0.31	5	1	05/30/08 0:39	LU_L	4473381
Xylenes,Total	ND		0.3	1	1	05/30/08 0:39	LU_L	4473381
Surr: 1,2-Dichloroethane-d4	84.0		0	% 62-130	1	05/30/08 0:39	LU_L	4473381

Joann Marroquin
Project Manager

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TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 202R **Collected:** 05/19/2008 12:10 **SPL Sample ID:** 08051372-04

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 4-Bromofluorobenzene	98.0		0	%	70-130	1	05/30/08 0:39	LU_L	4473381
Surr: Toluene-d8	94.0		0	%	74-122	1	05/30/08 0:39	LU_L	4473381

Joann Marroquin
Project Manager

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ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 202R **Collected:** 05/19/2008 12:10 **SPL Sample ID:** 08051372-04

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
NITRATE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrate (As N)	1.3		0.153	0.5	1	05/20/08 13:38	TW	4454525
NITRITE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrite	ND		0.136	0.5	1	05/20/08 16:00	TW	4454584

Joann Marroquin
Project Manager

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E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 203R **Collected:** 05/19/2008 13:50 **SPL Sample ID:** 08051372-05

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL					**MCL**	**SW6010B Units: mg/L**		
Arsenic	ND		0.0384	0.2	2	06/04/08 18:47	EG	4484471
Manganese	293		0.00957	0.05	10	06/04/08 18:52	EG	4484472

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/29/2008 16:25	DDW	1.00

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 203R **Collected:** 05/19/2008 13:50 **SPL Sample ID:** 08051372-05

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		2.1	25	5	05/30/08 21:06	LU_L	4473499
1,1,1-Trichloroethane	ND		1.2	25	5	05/30/08 21:06	LU_L	4473499
1,1,2-Trichloroethane	ND		1.9	25	5	05/30/08 21:06	LU_L	4473499
1,1-Dichloroethane	ND		1.4	25	5	05/30/08 21:06	LU_L	4473499
1,1-Dichloroethene	ND		2.5	25	5	05/30/08 21:06	LU_L	4473499
1,1-Dichloropropene	ND		1.7	25	5	05/30/08 21:06	LU_L	4473499
1,2-Dibromoethane	ND		1.5	25	5	05/30/08 21:06	LU_L	4473499
2-Butanone	ND		16	100	5	05/30/08 21:06	LU_L	4473499
2-Hexanone	ND		2.3	50	5	05/30/08 21:06	LU_L	4473499
4-Methyl-2-pentanone	ND		1.6	50	5	05/30/08 21:06	LU_L	4473499
Acetone	150	J	23	500	5	05/30/08 21:06	LU_L	4473499
Benzene	ND		1.7	25	5	05/30/08 21:06	LU_L	4473499
Bromodichloromethane	ND		1.2	25	5	05/30/08 21:06	LU_L	4473499
Bromoform	30		2.5	25	5	05/30/08 21:06	LU_L	4473499
Bromomethane	ND		3.9	50	5	05/30/08 21:06	LU_L	4473499
Carbon disulfide	12	J	1.2	25	5	05/30/08 21:06	LU_L	4473499
Carbon tetrachloride	ND		1.2	25	5	05/30/08 21:06	LU_L	4473499
Chlorobenzene	ND		1.5	25	5	05/30/08 21:06	LU_L	4473499
Chloroethane	ND		1.5	50	5	05/30/08 21:06	LU_L	4473499
Chloroform	ND		1.2	25	5	05/30/08 21:06	LU_L	4473499
Chloromethane	ND		1.5	50	5	05/30/08 21:06	LU_L	4473499
Dibromochloromethane	ND		1.8	25	5	05/30/08 21:06	LU_L	4473499
Dibromomethane	ND		1.5	25	5	05/30/08 21:06	LU_L	4473499
Ethylbenzene	ND		1.7	25	5	05/30/08 21:06	LU_L	4473499
Methylene chloride	ND		3.4	25	5	05/30/08 21:06	LU_L	4473499
Styrene	ND		3.5	25	5	05/30/08 21:06	LU_L	4473499
Tetrachloroethene	ND		2.5	25	5	05/30/08 21:06	LU_L	4473499
Toluene	ND		1.2	25	5	05/30/08 21:06	LU_L	4473499
Trichloroethene	ND		1.2	25	5	05/30/08 21:06	LU_L	4473499
Vinyl acetate	ND		2.8	50	5	05/30/08 21:06	LU_L	4473499
Vinyl chloride	ND		1.2	10	5	05/30/08 21:06	LU_L	4473499
cis-1,2-Dichloroethene	ND		2.4	25	5	05/30/08 21:06	LU_L	4473499
cis-1,3-Dichloropropene	ND		1.3	25	5	05/30/08 21:06	LU_L	4473499
m,p-Xylene	ND		1.5	5	5	05/30/08 21:06	LU_L	4473499
o-Xylene	ND		1.6	5	5	05/30/08 21:06	LU_L	4473499
trans-1,2-Dichloroethene	ND		1.7	25	5	05/30/08 21:06	LU_L	4473499
trans-1,3-Dichloropropene	ND		1.6	25	5	05/30/08 21:06	LU_L	4473499
Xylenes,Total	ND		1.5	5	5	05/30/08 21:06	LU_L	4473499
Surr: 1,2-Dichloroethane-d4	88.0		0	% 62-130	5	05/30/08 21:06	LU_L	4473499

Joann Marroquin
Project Manager

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
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E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 203R **Collected:** 05/19/2008 13:50 **SPL Sample ID:** 08051372-05

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 4-Bromofluorobenzene	100		0	%	70-130	5	05/30/08 21:06	LU_L	4473499
Surr: Toluene-d8	88.0		0	%	74-122	5	05/30/08 21:06	LU_L	4473499

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
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* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 203R **Collected:** 05/19/2008 13:50 **SPL Sample ID:** 08051372-05

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
NITRATE NITROGEN (AS N), TOTAL						**E353.2**	**Units: mg/L**		
Nitrogen,Nitrate (As N)	ND		76.5	250		500	05/20/08 13:38	TW	4454526
NITRITE NITROGEN (AS N), TOTAL					**MCL**	**E353.2**	**Units: mg/L**		
Nitrogen,Nitrite	ND		0.136	0.5		1	05/20/08 16:00	TW	4454585

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 204R **Collected:** 05/19/2008 10:55 **SPL Sample ID:** 08051372-06

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B Units: mg/L**			
Arsenic	ND		0.0192	0.1	1	06/03/08 2:49	EG	4481977
Manganese	0.0136		0.000957	0.005	1	06/03/08 2:49	EG	4481977

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/29/2008 16:25	DDW	1.00

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 204R **Collected:** 05/19/2008 10:55 **SPL Sample ID:** 08051372-06

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	05/30/08 1:07	LU_L	4473382
1,1,1-Trichloroethane	ND		0.25	5	1	05/30/08 1:07	LU_L	4473382
1,1,2-Trichloroethane	ND		0.38	5	1	05/30/08 1:07	LU_L	4473382
1,1-Dichloroethane	ND		0.28	5	1	05/30/08 1:07	LU_L	4473382
1,1-Dichloroethene	ND		0.5	5	1	05/30/08 1:07	LU_L	4473382
1,1-Dichloropropene	ND		0.35	5	1	05/30/08 1:07	LU_L	4473382
1,2-Dibromoethane	ND		0.31	5	1	05/30/08 1:07	LU_L	4473382
2-Butanone	ND		3.2	20	1	05/30/08 1:07	LU_L	4473382
2-Hexanone	ND		0.47	10	1	05/30/08 1:07	LU_L	4473382
4-Methyl-2-pentanone	ND		0.31	10	1	05/30/08 1:07	LU_L	4473382
Acetone	ND		4.6	100	1	05/30/08 1:07	LU_L	4473382
Benzene	ND		0.35	5	1	05/30/08 1:07	LU_L	4473382
Bromodichloromethane	ND		0.25	5	1	05/30/08 1:07	LU_L	4473382
Bromoform	ND		0.5	5	1	05/30/08 1:07	LU_L	4473382
Bromomethane	ND		0.78	10	1	05/30/08 1:07	LU_L	4473382
Carbon disulfide	ND		0.25	5	1	05/30/08 1:07	LU_L	4473382
Carbon tetrachloride	ND		0.25	5	1	05/30/08 1:07	LU_L	4473382
Chlorobenzene	ND		0.3	5	1	05/30/08 1:07	LU_L	4473382
Chloroethane	ND		0.31	10	1	05/30/08 1:07	LU_L	4473382
Chloroform	ND		0.24	5	1	05/30/08 1:07	LU_L	4473382
Chloromethane	ND		0.3	10	1	05/30/08 1:07	LU_L	4473382
Dibromochloromethane	ND		0.36	5	1	05/30/08 1:07	LU_L	4473382
Dibromomethane	ND		0.3	5	1	05/30/08 1:07	LU_L	4473382
Ethylbenzene	ND		0.34	5	1	05/30/08 1:07	LU_L	4473382
Methylene chloride	ND		0.67	5	1	05/30/08 1:07	LU_L	4473382
Styrene	ND		0.7	5	1	05/30/08 1:07	LU_L	4473382
Tetrachloroethene	ND		0.49	5	1	05/30/08 1:07	LU_L	4473382
Toluene	ND		0.25	5	1	05/30/08 1:07	LU_L	4473382
Trichloroethene	ND		0.25	5	1	05/30/08 1:07	LU_L	4473382
Vinyl acetate	ND		0.57	10	1	05/30/08 1:07	LU_L	4473382
Vinyl chloride	ND		0.25	2	1	05/30/08 1:07	LU_L	4473382
cis-1,2-Dichloroethene	ND		0.48	5	1	05/30/08 1:07	LU_L	4473382
cis-1,3-Dichloropropene	ND		0.26	5	1	05/30/08 1:07	LU_L	4473382
m,p-Xylene	ND		0.3	1	1	05/30/08 1:07	LU_L	4473382
o-Xylene	ND		0.31	1	1	05/30/08 1:07	LU_L	4473382
trans-1,2-Dichloroethene	ND		0.35	5	1	05/30/08 1:07	LU_L	4473382
trans-1,3-Dichloropropene	ND		0.31	5	1	05/30/08 1:07	LU_L	4473382
Xylenes,Total	ND		0.3	1	1	05/30/08 1:07	LU_L	4473382
Surr: 1,2-Dichloroethane-d4	84.0		0	% 62-130	1	05/30/08 1:07	LU_L	4473382

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
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E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
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MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 204R **Collected:** 05/19/2008 10:55 **SPL Sample ID:** 08051372-06

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 4-Bromofluorobenzene	98.0		0	%	70-130	1	05/30/08 1:07	LU_L	4473382
Surr: Toluene-d8	96.0		0	%	74-122	1	05/30/08 1:07	LU_L	4473382

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 204R **Collected:** 05/19/2008 10:55 **SPL Sample ID:** 08051372-06

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
NITRATE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrate (As N)	ND		0.153	0.5	1	05/20/08 13:38	TW	4454527
NITRITE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrite	ND		0.136	0.5	1	05/20/08 16:00	TW	4454588

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
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B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: EW-10S **Collected:** 05/19/2008 14:50 **SPL Sample ID:** 08051372-07

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
HEADSPACE GAS ANALYSIS				**MCL**	**RSK147**	**Units: mg/L**		
Ethane	ND		0.0025	0.0025	1	05/30/08 11:16	E_S1	4471829
Ethylene	ND		0.0032	0.0032	1	05/30/08 11:16	E_S1	4471829
Methane	0.01		0.0012	0.0012	1	05/30/08 11:16	E_S1	4471829

Joann Marroquin
Project Manager

Qualifiers:

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: EW-10S **Collected:** 05/19/2008 14:50 **SPL Sample ID:** 08051372-07

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL					**MCL**	**SW6010B Units: mg/L**		
Arsenic	0.0279	J	0.0192	0.1	1	06/03/08 2:54	EG	4481978
Manganese	1.04		0.000957	0.005	1	06/03/08 2:54	EG	4481978

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/29/2008 16:25	DDW	1.00

Joann Marroquin
Project Manager

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TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: EW-10S **Collected:** 05/19/2008 14:50 **SPL Sample ID:** 08051372-07

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	05/30/08 16:26	LU_L	4473498
1,1,1-Trichloroethane	ND		0.25	5	1	05/30/08 16:26	LU_L	4473498
1,1,2-Trichloroethane	ND		0.38	5	1	05/30/08 16:26	LU_L	4473498
1,1-Dichloroethane	ND		0.28	5	1	05/30/08 16:26	LU_L	4473498
1,1-Dichloroethene	ND		0.5	5	1	05/30/08 16:26	LU_L	4473498
1,1-Dichloropropene	ND		0.35	5	1	05/30/08 16:26	LU_L	4473498
1,2-Dibromoethane	ND		0.31	5	1	05/30/08 16:26	LU_L	4473498
2-Butanone	ND		3.2	20	1	05/30/08 16:26	LU_L	4473498
2-Hexanone	ND		0.47	10	1	05/30/08 16:26	LU_L	4473498
4-Methyl-2-pentanone	ND		0.31	10	1	05/30/08 16:26	LU_L	4473498
Acetone	ND		4.6	100	1	05/30/08 16:26	LU_L	4473498
Benzene	ND		0.35	5	1	05/30/08 16:26	LU_L	4473498
Bromodichloromethane	ND		0.25	5	1	05/30/08 16:26	LU_L	4473498
Bromoform	ND		0.5	5	1	05/30/08 16:26	LU_L	4473498
Bromomethane	ND		0.78	10	1	05/30/08 16:26	LU_L	4473498
Carbon disulfide	ND		0.25	5	1	05/30/08 16:26	LU_L	4473498
Carbon tetrachloride	ND		0.25	5	1	05/30/08 16:26	LU_L	4473498
Chlorobenzene	ND		0.3	5	1	05/30/08 16:26	LU_L	4473498
Chloroethane	ND		0.31	10	1	05/30/08 16:26	LU_L	4473498
Chloroform	ND		0.24	5	1	05/30/08 16:26	LU_L	4473498
Chloromethane	ND		0.3	10	1	05/30/08 16:26	LU_L	4473498
Dibromochloromethane	ND		0.36	5	1	05/30/08 16:26	LU_L	4473498
Dibromomethane	ND		0.3	5	1	05/30/08 16:26	LU_L	4473498
Ethylbenzene	ND		0.34	5	1	05/30/08 16:26	LU_L	4473498
Methylene chloride	ND		0.67	5	1	05/30/08 16:26	LU_L	4473498
Styrene	ND		0.7	5	1	05/30/08 16:26	LU_L	4473498
Tetrachloroethene	ND		0.49	5	1	05/30/08 16:26	LU_L	4473498
Toluene	ND		0.25	5	1	05/30/08 16:26	LU_L	4473498
Trichloroethene	ND		0.25	5	1	05/30/08 16:26	LU_L	4473498
Vinyl acetate	ND		0.57	10	1	05/30/08 16:26	LU_L	4473498
Vinyl chloride	ND		0.25	2	1	05/30/08 16:26	LU_L	4473498
cis-1,2-Dichloroethene	ND		0.48	5	1	05/30/08 16:26	LU_L	4473498
cis-1,3-Dichloropropene	ND		0.26	5	1	05/30/08 16:26	LU_L	4473498
m,p-Xylene	ND		0.3	1	1	05/30/08 16:26	LU_L	4473498
o-Xylene	ND		0.31	1	1	05/30/08 16:26	LU_L	4473498
trans-1,2-Dichloroethene	ND		0.35	5	1	05/30/08 16:26	LU_L	4473498
trans-1,3-Dichloropropene	ND		0.31	5	1	05/30/08 16:26	LU_L	4473498
Xylenes,Total	ND		0.3	1	1	05/30/08 16:26	LU_L	4473498
Surr: 1,2-Dichloroethane-d4	96.0		0	% 62-130	1	05/30/08 16:26	LU_L	4473498

Joann Marroquin
Project Manager

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
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B/V - Analyte detected in the associated Method Blank above Rep.Limit
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D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: EW-10S **Collected:** 05/19/2008 14:50 **SPL Sample ID:** 08051372-07

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 4-Bromofluorobenzene	98.0		0	%	70-130	1	05/30/08 16:26	LU_L	4473498
Surr: Toluene-d8	94.0		0	%	74-122	1	05/30/08 16:26	LU_L	4473498

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: EW-10S **Collected:** 05/19/2008 14:50 **SPL Sample ID:** 08051372-07

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
NITRATE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrate (As N)	0.832		0.153	0.5	1	05/20/08 13:38	TW	4454528
NITRITE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrite	0.223	J	0.136	0.5	1	05/20/08 16:00	TW	4454589

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 70-S **Collected:** 05/19/2008 15:35 **SPL Sample ID:** 08051372-08

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
HEADSPACE GAS ANALYSIS				**MCL**	**RSK147**	**Units: mg/L**		
Ethane	ND		0.0025	0.0025	1	05/30/08 11:27	E_S1	4471830
Ethylene	ND		0.0032	0.0032	1	05/30/08 11:27	E_S1	4471830
Methane	ND		0.0012	0.0012	1	05/30/08 11:27	E_S1	4471830

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 70-S **Collected:** 05/19/2008 15:35 **SPL Sample ID:** 08051372-08

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B Units: mg/L**			
Arsenic	ND		0.0192	0.1	1	06/03/08 22:03	EG	4484206
Arsenic	ND		0.0192	0.1	1	06/03/08 2:58	EG	4481981
Manganese	0.343		0.000957	0.005	1	06/03/08 22:03	EG	4484206
Manganese	0.364		0.000957	0.005	1	06/03/08 2:58	EG	4481981

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/30/2008 16:30	DDW	1.00
SW3010A	05/29/2008 16:25	DDW	1.00

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
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HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 70-S **Collected:** 05/19/2008 15:35 **SPL Sample ID:** 08051372-08

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	05/30/08 15:00	LU_L	4473495
1,1,1-Trichloroethane	ND		0.25	5	1	05/30/08 15:00	LU_L	4473495
1,1,2-Trichloroethane	ND		0.38	5	1	05/30/08 15:00	LU_L	4473495
1,1-Dichloroethane	ND		0.28	5	1	05/30/08 15:00	LU_L	4473495
1,1-Dichloroethene	ND		0.5	5	1	05/30/08 15:00	LU_L	4473495
1,1-Dichloropropene	ND		0.35	5	1	05/30/08 15:00	LU_L	4473495
1,2-Dibromoethane	ND		0.31	5	1	05/30/08 15:00	LU_L	4473495
2-Butanone	ND		3.2	20	1	05/30/08 15:00	LU_L	4473495
2-Hexanone	ND		0.47	10	1	05/30/08 15:00	LU_L	4473495
4-Methyl-2-pentanone	ND		0.31	10	1	05/30/08 15:00	LU_L	4473495
Acetone	ND		4.6	100	1	05/30/08 15:00	LU_L	4473495
Benzene	ND		0.35	5	1	05/30/08 15:00	LU_L	4473495
Bromodichloromethane	ND		0.25	5	1	05/30/08 15:00	LU_L	4473495
Bromoform	ND		0.5	5	1	05/30/08 15:00	LU_L	4473495
Bromomethane	ND		0.78	10	1	05/30/08 15:00	LU_L	4473495
Carbon disulfide	ND		0.25	5	1	05/30/08 15:00	LU_L	4473495
Carbon tetrachloride	ND		0.25	5	1	05/30/08 15:00	LU_L	4473495
Chlorobenzene	ND		0.3	5	1	05/30/08 15:00	LU_L	4473495
Chloroethane	ND		0.31	10	1	05/30/08 15:00	LU_L	4473495
Chloroform	ND		0.24	5	1	05/30/08 15:00	LU_L	4473495
Chloromethane	ND		0.3	10	1	05/30/08 15:00	LU_L	4473495
Dibromochloromethane	ND		0.36	5	1	05/30/08 15:00	LU_L	4473495
Dibromomethane	ND		0.3	5	1	05/30/08 15:00	LU_L	4473495
Ethylbenzene	ND		0.34	5	1	05/30/08 15:00	LU_L	4473495
Methylene chloride	2	J	0.67	5	1	05/30/08 15:00	LU_L	4473495
Styrene	ND		0.7	5	1	05/30/08 15:00	LU_L	4473495
Tetrachloroethene	ND		0.49	5	1	05/30/08 15:00	LU_L	4473495
Toluene	ND		0.25	5	1	05/30/08 15:00	LU_L	4473495
Trichloroethene	ND		0.25	5	1	05/30/08 15:00	LU_L	4473495
Vinyl acetate	ND		0.57	10	1	05/30/08 15:00	LU_L	4473495
Vinyl chloride	ND		0.25	2	1	05/30/08 15:00	LU_L	4473495
cis-1,2-Dichloroethene	ND		0.48	5	1	05/30/08 15:00	LU_L	4473495
cis-1,3-Dichloropropene	ND		0.26	5	1	05/30/08 15:00	LU_L	4473495
m,p-Xylene	ND		0.3	1	1	05/30/08 15:00	LU_L	4473495
o-Xylene	ND		0.31	1	1	05/30/08 15:00	LU_L	4473495
trans-1,2-Dichloroethene	ND		0.35	5	1	05/30/08 15:00	LU_L	4473495
trans-1,3-Dichloropropene	ND		0.31	5	1	05/30/08 15:00	LU_L	4473495
Xylenes,Total	ND		0.3	1	1	05/30/08 15:00	LU_L	4473495
Surr: 1,2-Dichloroethane-d4	98.0		0	% 62-130	1	05/30/08 15:00	LU_L	4473495

Joann Marroquin
Project Manager

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 70-S **Collected:** 05/19/2008 15:35 **SPL Sample ID:** 08051372-08

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 4-Bromofluorobenzene	96.0		0	%	70-130	1	05/30/08 15:00	LU_L	4473495
Surr: Toluene-d8	92.0		0	%	74-122	1	05/30/08 15:00	LU_L	4473495

Joann Marroquin
Project Manager

Qualifiers:

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 70-S **Collected:** 05/19/2008 15:35 **SPL Sample ID:** 08051372-08

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
NITRATE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrate (As N)	1.06		0.153	0.5	1	05/20/08 13:38	TW	4454529
NITRITE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrite	ND		0.136	0.5	1	05/20/08 16:00	TW	4454590

Joann Marroquin
Project Manager

Qualifiers:

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J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

Quality Control Documentation

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Headspace Gas Analysis** **WorkOrder:** **08051372**
Method: **RSK147** **Lab Batch ID:** **R239526**

Method Blank

RunID: VARC_080530B-4471822 Units: mg/L
Analysis Date: 05/30/2008 9:24 Analyst: E_S1

Analyte	Result	Qual	Rep Limit	MDL
Ethane	ND		0.0025	0.0025
Ethylene	ND		0.0032	0.0032
Methane	ND		0.0012	0.0012

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08051372-04D	202R
08051372-07D	EW-10S
08051372-08D	70-S

Sample Duplicate

Original Sample: 08051372-08
RunID: VARC_080530B-4471830 Units: mg/L
Analysis Date: 05/30/2008 11:27 Analyst: E_S1

Analyte	Sample Result	DUP Result	Qual	RPD	RPD Limit
Ethane	ND	ND		0	50
Ethylene	ND	ND		0	50
Methane	ND	ND		0	50

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Metals by Method 6010B, Total** **WorkOrder:** **08051372**
Method: **SW6010B** **Lab Batch ID:** **79669**

Method Blank

RunID: TJA_080602A-4481962 Units: mg/L
Analysis Date: 06/03/2008 1:32 Analyst: EG
Preparation Date: 05/29/2008 16:25 Prep By: DD Method SW3010A

Analyte	Result	Qual	Rep Limit	MDL
Arsenic	ND		0.1	0.0192
Manganese	ND		0.005	0.000957

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08051372-02B	79S
08051372-03B	51S
08051372-04B	202R
08051372-05B	203R
08051372-06B	204R
08051372-07B	EW-10S
08051372-08B	70-S

Laboratory Control Sample (LCS)

RunID: TJA_080602A-4481963 Units: mg/L
Analysis Date: 06/03/2008 1:36 Analyst: EG
Preparation Date: 05/29/2008 16:25 Prep By: DD Method SW3010A

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
Arsenic	1.000	1.024	102.4		80	120
Manganese	1.000	1.052	105.2		80	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08051372-02
RunID: TJA_080602A-4481965 Units: mg/L
Analysis Date: 06/03/2008 1:45 Analyst: EG
Preparation Date: 05/29/2008 16:25 Prep By: DD Method SW3010A

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
Arsenic	ND		1	0.9943	99.43		1	1.010	101.0		1.544		20	75	125
Manganese	5.144		1	6.266	N/C		1	6.110	N/C		N/C		20	75	125

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Metals by Method 6010B, Total** **WorkOrder:** **08051372**
Method: **SW6010B** **Lab Batch ID:** **79730**

Method Blank

RunID: TJA_080603A-4484200 Units: mg/L
Analysis Date: 06/03/2008 21:54 Analyst: EG
Preparation Date: 05/30/2008 16:30 Prep By: DD Method SW3010A

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08051372-02B	79S
08051372-08B	70-S

Analyte	Result	Qual	Rep Limit	MDL
Arsenic	ND		0.1	0.0192
Manganese	ND		0.005	0.000957

Laboratory Control Sample (LCS)

RunID: TJA_080603A-4484201 Units: mg/L
Analysis Date: 06/03/2008 21:58 Analyst: EG
Preparation Date: 05/30/2008 16:30 Prep By: DD Method SW3010A

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
Arsenic	1.000	0.9347	93.47		80	120
Manganese	1.000	0.9836	98.36		80	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08051372-08
RunID: TJA_080603A-4484207 Units: mg/L
Analysis Date: 06/03/2008 22:08 Analyst: EG
Preparation Date: 05/30/2008 16:30 Prep By: DD Method SW3010A

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
Arsenic	ND		1	0.9111	91.11		1	0.9359	93.59		2.681		20	75	125
Manganese	0.3427		1	1.338	99.56		1	1.317	97.40		1.628		20	75	125

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08051372**
Method: **SW8260B** **Lab Batch ID:** **R239624**

Method Blank

RunID: K_080529E-4473378 Units: ug/L
Analysis Date: 05/29/2008 23:15 Analyst: LU_L
Preparation Date: 05/29/2008 23:15 Prep By: Method

Analyte	Result	Qual	Rep Limit	MDL
1,1,1,2-Tetrachloroethane	ND		5.0	0.42
1,1,1-Trichloroethane	ND		5.0	0.25
1,1,2-Trichloroethane	ND		5.0	0.38
1,1-Dichloroethane	ND		5.0	0.28
1,1-Dichloroethene	ND		5.0	0.5
1,1-Dichloropropene	ND		5.0	0.35
1,2-Dibromoethane	ND		5.0	0.31
2-Butanone	ND		20	3.2
2-Hexanone	ND		10	0.47
4-Methyl-2-pentanone	ND		10	0.31
Acetone	ND		100	4.6
Benzene	ND		5.0	0.35
Bromodichloromethane	ND		5.0	0.25
Bromoform	ND		5.0	0.5
Bromomethane	ND		10	0.78
Carbon disulfide	ND		5.0	0.25
Carbon tetrachloride	ND		5.0	0.25
Chlorobenzene	ND		5.0	0.3
Chloroethane	ND		10	0.31
Chloroform	ND		5.0	0.24
Chloromethane	ND		10	0.3
Dibromochloromethane	ND		5.0	0.36
Dibromomethane	ND		5.0	0.3
Ethylbenzene	ND		5.0	0.34
Methylene chloride	ND		5.0	0.67
Styrene	ND		5.0	0.7
Tetrachloroethene	ND		5.0	0.49
Toluene	ND		5.0	0.25
Trichloroethene	ND		5.0	0.25
Vinyl acetate	ND		10	0.57
Vinyl chloride	ND		2.0	0.25
cis-1,2-Dichloroethene	ND		5.0	0.48
cis-1,3-Dichloropropene	ND		5.0	0.26
m,p-Xylene	ND		1.0	0.3
o-Xylene	ND		1.0	0.31
trans-1,2-Dichloroethene	ND		5.0	0.35
trans-1,3-Dichloropropene	ND		5.0	0.31
Xylenes,Total	ND		1.0	0.3
Surr: 1,2-Dichloroethane-d4	84.0		62-130	0
Surr: 4-Bromofluorobenzene	100.0		70-130	0
Surr: Toluene-d8	96.0		74-122	0

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08051372-02A	79S
08051372-03A	51S
08051372-04A	202R
08051372-06A	204R

Laboratory Control Sample (LCS)

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
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* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

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8880 INTERCHANGE DRIVE
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08051372**
Method: **SW8260B** **Lab Batch ID:** **R239624**

RunID: K_080529E-4473377 Units: ug/L
Analysis Date: 05/29/2008 22:47 Analyst: LU_L
Preparation Date: 05/29/2008 22:47 Prep By: Method

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
1,1,1,2-Tetrachloroethane	20.0	18.0	90.0		71	136
1,1,1-Trichloroethane	20.0	19.0	95.0		66	132
1,1,2-Trichloroethane	20.0	19.0	95.0		70	130
1,1-Dichloroethane	20.0	21.0	105		67	131
1,1-Dichloroethene	20.0	21.0	105		71	146
1,1-Dichloropropene	20.0	20.0	100		59	138
1,2-Dibromoethane	20.0	18.0	90.0		63	126
2-Butanone	120	130	108		20	235
2-Hexanone	20.0	23.0	115		34	182
4-Methyl-2-pentanone	20.0	18.0	90.0		11	145
Acetone	200	320	160		13	386
Benzene	20.0	19.0	95.0		76	126
Bromodichloromethane	20.0	20.0	100		77	138
Bromoform	20.0	16.0	80.0		55	129
Bromomethane	20.0	18.0	90.0		58	148
Carbon disulfide	20.0	19.0	95.0		46	146
Carbon tetrachloride	20.0	18.0	90.0		66	137
Chlorobenzene	20.0	18.0	90.0		67	136
Chloroethane	20.0	20.0	100		50	137
Chloroform	20.0	21.0	105		70	135
Chloromethane	20.0	17.0	85.0		51	140
Dibromochloromethane	20.0	17.0	85.0		69	127
Dibromomethane	20.0	21.0	105		74	130
Ethylbenzene	20.0	19.0	95.0		67	122
Methylene chloride	20.0	20.0	100		52	143
Styrene	20.0	18.0	90.0		60	139
Tetrachloroethene	20.0	20.0	100		26	200
Toluene	20.0	18.0	90.0		70	131
Trichloroethene	20.0	20.0	100		64	137
Vinyl acetate	20.0	20.0	100		10	193
Vinyl chloride	20.0	20.0	100		31	147
cis-1,2-Dichloroethene	20.0	21.0	105		70	142
cis-1,3-Dichloropropene	20.0	19.0	95.0		61	134
m,p-Xylene	40.0	37.0	92.5		72	150
o-Xylene	20.0	18.0	90.0		78	141

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis:	**Volatile Organics by Method 8260B**	**WorkOrder:**	**08051372**
Method:	**SW8260B**	**Lab Batch ID:**	**R239624**

Laboratory Control Sample (LCS)

RunID:	K_080529E-4473377	Units:	ug/L
Analysis Date:	05/29/2008 22:47	Analyst:	LU_L
Preparation Date:	05/29/2008 22:47	Prep By:	Method

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
trans-1,2-Dichloroethene	20.0	20.0	100		67	141
trans-1,3-Dichloropropene	20.0	19.0	95.0		56	136
Xylenes,Total	60	55	92		72	150
Surr: 1,2-Dichloroethane-d4	50.0	43	86.0		62	130
Surr: 4-Bromofluorobenzene	50.0	52	104		70	130
Surr: Toluene-d8	50.0	49	98.0		74	122

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked:	08051676-01		
RunID:	K_080529E-4473384	Units:	ug/L
Analysis Date:	05/30/2008 2:30	Analyst:	LU_L

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
1,1,1,2-Tetrachloroethane	ND		20	17.0	85.0		20	17.0	85.0		0		20	35	175
1,1,1-Trichloroethane	ND		20	18.0	90.0		20	19.0	95.0		5.41		20	35	175
1,1,2-Trichloroethane	ND		20	19.0	95.0		20	19.0	95.0		0		20	35	175
1,1-Dichloroethane	ND		20	21.0	105		20	21.0	105		0		20	35	175
1,1-Dichloroethene	ND		20	21.0	105		20	21.0	105		0		22	61	145
1,1-Dichloropropene	ND		20	21.0	105		20	21.0	105		0		20	35	175
1,2-Dibromoethane	ND		20	17.0	85.0		20	17.0	85.0		0		20	35	175
2-Butanone	ND		20	20.0	100		20	12.0	60.0		50.0	*	20	10	230
2-Hexanone	ND		20	20.0	100		20	20.0	100		0		20	10	250
4-Methyl-2-pentanone	ND		20	17.0	85.0		20	17.0	85.0		0		20	10	175
Acetone	ND		100	120	120		100	140	140		15.4		20	10	400
Benzene	ND	E	20	1100	5500	*	20	1100	5500	*	0		22	76	127
Bromodichloromethane	ND		20	19.0	95.0		20	19.0	95.0		0		20	35	175
Bromoform	ND		20	14.0	70.0		20	14.0	70.0		0		20	35	175
Bromomethane	ND		20	19.0	95.0		20	20.0	100		5.13		20	35	175
Carbon disulfide	ND		20	20.0	100		20	20.0	100		0		20	30	225
Carbon tetrachloride	ND		20	16.0	80.0		20	16.0	80.0		0		20	35	175

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08051372**
Method: **SW8260B** **Lab Batch ID:** **R239624**

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08051676-01
RunID: K_080529E-4473384 Units: ug/L
Analysis Date: 05/30/2008 2:30 Analyst: LU_L

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
Chlorobenzene	ND		20	18.0	90.0		20	18.0	90.0		0		21	70	130
Chloroethane	ND		20	21.0	105		20	21.0	105		0		20	35	175
Chloroform	ND		20	22.0	110		20	22.0	110		0		20	35	175
Chloromethane	ND		20	23.0	115		20	23.0	115		0		20	35	175
Dibromochloromethane	ND		20	15.0	75.0		20	16.0	80.0		6.45		20	35	175
Dibromomethane	ND		20	20.0	100		20	21.0	105		4.88		20	35	175
Ethylbenzene	ND		20	120	600	*	20	120	600	*	0		20	35	175
Methylene chloride	ND		20	20.0	100		20	19.0	95.0		5.13		20	35	175
Styrene	ND		20	18.0	90.0		20	18.0	90.0		0		20	35	175
Tetrachloroethene	ND		20	16.0	80.0		20	18.0	90.0		11.8		20	30	250
Toluene	ND		20	140	700	*	20	140	700	*	0		24	70	131
Trichloroethene	ND		20	20.0	100		20	21.0	105		4.88		21	60	140
Vinyl acetate	ND		20	36.0	180		20	36.0	180		0		20	10	250
Vinyl chloride	ND		20	25.0	125		20	25.0	125		0		20	35	175
cis-1,2-Dichloroethene	ND		20	21.0	105		20	21.0	105		0		20	35	175
cis-1,3-Dichloropropene	ND		20	18.0	90.0		20	18.0	90.0		0		20	35	175
m,p-Xylene	ND		40	98.0	245	*	40	100	250	*	2.02		20	35	175
o-Xylene	ND		20	27.0	135		20	27.0	135		0		20	35	175
trans-1,2-Dichloroethene	ND		20	20.0	100		20	20.0	100		0		20	35	175
trans-1,3-Dichloropropene	ND		20	17.0	85.0		20	17.0	85.0		0		20	35	175
Xylenes,Total	ND		60	125	208	*	60	127	212	*	1.59		20	35	175
Surr: 1,2-Dichloroethane-d4	ND		50	42	84.0		50	44.0	88.0		4.65		30	62	130
Surr: 4-Bromofluorobenzene	ND		50	51	102		50	51.0	102		0		30	70	130
Surr: Toluene-d8	ND		50	48	96.0		50	48.0	96.0		0		30	74	122

Qualifiers:
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E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08051372**
Method: **SW8260B** **Lab Batch ID:** **R239630**

Method Blank

RunID: K_080530C-4473493 Units: ug/L
Analysis Date: 05/30/2008 11:44 Analyst: LU_L
Preparation Date: 05/30/2008 11:44 Prep By: Method

Analyte	Result	Qual	Rep Limit	MDL
1,1,1,2-Tetrachloroethane	ND		5.0	0.42
1,1,1-Trichloroethane	ND		5.0	0.25
1,1,2-Trichloroethane	ND		5.0	0.38
1,1-Dichloroethane	ND		5.0	0.28
1,1-Dichloroethene	ND		5.0	0.5
1,1-Dichloropropene	ND		5.0	0.35
1,2-Dibromoethane	ND		5.0	0.31
2-Butanone	ND		20	3.2
2-Hexanone	ND		10	0.47
4-Methyl-2-pentanone	ND		10	0.31
Acetone	ND		100	4.6
Benzene	ND		5.0	0.35
Bromodichloromethane	ND		5.0	0.25
Bromoform	ND		5.0	0.5
Bromomethane	ND		10	0.78
Carbon disulfide	ND		5.0	0.25
Carbon tetrachloride	ND		5.0	0.25
Chlorobenzene	ND		5.0	0.3
Chloroethane	ND		10	0.31
Chloroform	ND		5.0	0.24
Chloromethane	ND		10	0.3
Dibromochloromethane	ND		5.0	0.36
Dibromomethane	ND		5.0	0.3
Ethylbenzene	ND		5.0	0.34
Methylene chloride	ND		5.0	0.67
Styrene	ND		5.0	0.7
Tetrachloroethene	ND		5.0	0.49
Toluene	ND		5.0	0.25
Trichloroethene	ND		5.0	0.25
Vinyl acetate	ND		10	0.57
Vinyl chloride	ND		2.0	0.25
cis-1,2-Dichloroethene	ND		5.0	0.48
cis-1,3-Dichloropropene	ND		5.0	0.26
m,p-Xylene	ND		1.0	0.3
o-Xylene	ND		1.0	0.31
trans-1,2-Dichloroethene	ND		5.0	0.35
trans-1,3-Dichloropropene	ND		5.0	0.31
Xylenes,Total	ND		1.0	0.3
Surr: 1,2-Dichloroethane-d4	90.0		62-130	0
Surr: 4-Bromofluorobenzene	98.0		70-130	0
Surr: Toluene-d8	94.0		74-122	0

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08051372-01A	Trip Blank
08051372-05A	203R
08051372-07A	EW-10S
08051372-08A	70-S

Laboratory Control Sample (LCS)

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08051372**
Method: **SW8260B** **Lab Batch ID:** **R239630**

RunID: K_080530C-4473492 Units: ug/L
Analysis Date: 05/30/2008 11:04 Analyst: LU_L
Preparation Date: 05/30/2008 11:04 Prep By: Method

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
1,1,1,2-Tetrachloroethane	20.0	18.0	90.0		71	136
1,1,1-Trichloroethane	20.0	21.0	105		66	132
1,1,2-Trichloroethane	20.0	19.0	95.0		70	130
1,1-Dichloroethane	20.0	22.0	110		67	131
1,1-Dichloroethene	20.0	21.0	105		71	146
1,1-Dichloropropene	20.0	22.0	110		59	138
1,2-Dibromoethane	20.0	18.0	90.0		63	126
2-Butanone	120	150	125		20	235
2-Hexanone	20.0	29.0	145		34	182
4-Methyl-2-pentanone	20.0	18.0	90.0		11	145
Acetone	200	390	195		13	386
Benzene	20.0	20.0	100		76	126
Bromodichloromethane	20.0	22.0	110		77	138
Bromoform	20.0	17.0	85.0		55	129
Bromomethane	20.0	18.0	90.0		58	148
Carbon disulfide	20.0	19.0	95.0		46	146
Carbon tetrachloride	20.0	20.0	100		66	137
Chlorobenzene	20.0	18.0	90.0		67	136
Chloroethane	20.0	20.0	100		50	137
Chloroform	20.0	21.0	105		70	135
Chloromethane	20.0	18.0	90.0		51	140
Dibromochloromethane	20.0	17.0	85.0		69	127
Dibromomethane	20.0	22.0	110		74	130
Ethylbenzene	20.0	19.0	95.0		67	122
Methylene chloride	20.0	21.0	105		52	143
Styrene	20.0	17.0	85.0		60	139
Tetrachloroethene	20.0	19.0	95.0		26	200
Toluene	20.0	18.0	90.0		70	131
Trichloroethene	20.0	21.0	105		64	137
Vinyl acetate	20.0	21.0	105		10	193
Vinyl chloride	20.0	21.0	105		31	147
cis-1,2-Dichloroethene	20.0	21.0	105		70	142
cis-1,3-Dichloropropene	20.0	20.0	100		61	134
m,p-Xylene	40.0	38.0	95.0		72	150
o-Xylene	20.0	19.0	95.0		78	141

Qualifiers:
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis:	**Volatile Organics by Method 8260B**	**WorkOrder:**	**08051372**
Method:	**SW8260B**	**Lab Batch ID:**	**R239630**

Laboratory Control Sample (LCS)

RunID:	K_080530C-4473492	Units:	ug/L
Analysis Date:	05/30/2008 11:04	Analyst:	LU_L
Preparation Date:	05/30/2008 11:04	Prep By:	Method

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
trans-1,2-Dichloroethene	20.0	20.0	100		67	141
trans-1,3-Dichloropropene	20.0	20.0	100		56	136
Xylenes,Total	60	57	95		72	150
Surr: 1,2-Dichloroethane-d4	50.0	48	96.0		62	130
Surr: 4-Bromofluorobenzene	50.0	51	102		70	130
Surr: Toluene-d8	50.0	48	96.0		74	122

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked:	08051372-08		
RunID:	K_080530C-4473496	Units:	ug/L
Analysis Date:	05/30/2008 15:29	Analyst:	LU_L

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
1,1,1,2-Tetrachloroethane	ND		20	17.0	85.0		20	18.0	90.0		5.71		20	35	175
1,1,1-Trichloroethane	ND		20	20.0	100		20	20.0	100		0		20	35	175
1,1,2-Trichloroethane	ND		20	18.0	90.0		20	18.0	90.0		0		20	35	175
1,1-Dichloroethane	ND		20	20.0	100		20	20.0	100		0		20	35	175
1,1-Dichloroethene	ND		20	19.0	95.0		20	20.0	100		5.13		22	61	145
1,1-Dichloropropene	ND		20	21.0	105		20	20.0	100		4.88		20	35	175
1,2-Dibromoethane	ND		20	17.0	85.0		20	18.0	90.0		5.71		20	35	175
2-Butanone	ND		20	18.0	90.0		20	19.0	95.0		5.41		20	10	230
2-Hexanone	ND		20	18.0	90.0		20	18.0	90.0		0		20	10	250
4-Methyl-2-pentanone	ND		20	19.0	95.0		20	19.0	95.0		0		20	10	175
Acetone	ND		100	120	120		100	120	120		0		20	10	400
Benzene	ND		20	20.0	100		20	20.0	100		0		22	76	127
Bromodichloromethane	ND		20	20.0	100		20	21.0	105		4.88		20	35	175
Bromoform	ND		20	12.0	60.0		20	14.0	70.0		15.4		20	35	175
Bromomethane	ND		20	19.0	95.0		20	20.0	100		5.13		20	35	175
Carbon disulfide	ND		20	18.0	90.0		20	18.0	90.0		0		20	30	225
Carbon tetrachloride	ND		20	20.0	100		20	20.0	100		0		20	35	175

Qualifiers:
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J - Estimated value between MDL and PQL
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08051372**
Method: **SW8260B** **Lab Batch ID:** **R239630**

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08051372-08
RunID: K_080530C-4473496 Units: ug/L
Analysis Date: 05/30/2008 15:29 Analyst: LU_L

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
Chlorobenzene	ND		20	18.0	90.0		20	18.0	90.0		0		21	70	130
Chloroethane	ND		20	19.0	95.0		20	20.0	100		5.13		20	35	175
Chloroform	ND		20	21.0	105		20	21.0	105		0		20	35	175
Chloromethane	ND		20	19.0	95.0		20	20.0	100		5.13		20	35	175
Dibromochloromethane	ND		20	15.0	75.0		20	16.0	80.0		6.45		20	35	175
Dibromomethane	ND		20	22.0	110		20	22.0	110		0		20	35	175
Ethylbenzene	ND		20	18.0	90.0		20	18.0	90.0		0		20	35	175
Methylene chloride	2.00	J	20	19.0	85.0		20	19.0	85.0		0		20	35	175
Styrene	ND		20	17.0	85.0		20	17.0	85.0		0		20	35	175
Tetrachloroethene	ND		20	18.0	90.0		20	18.0	90.0		0		20	30	250
Toluene	ND		20	18.0	90.0		20	18.0	90.0		0		24	70	131
Trichloroethene	ND		20	20.0	100		20	20.0	100		0		21	60	140
Vinyl acetate	ND		20	18.0	90.0		20	20.0	100		10.5		20	10	250
Vinyl chloride	ND		20	20.0	100		20	20.0	100		0		20	35	175
cis-1,2-Dichloroethene	ND		20	19.0	95.0		20	19.0	95.0		0		20	35	175
cis-1,3-Dichloropropene	ND		20	19.0	95.0		20	20.0	100		5.13		20	35	175
m,p-Xylene	ND		40	36.0	90.0		40	36.0	90.0		0		20	35	175
o-Xylene	ND		20	18.0	90.0		20	18.0	90.0		0		20	35	175
trans-1,2-Dichloroethene	ND		20	19.0	95.0		20	19.0	95.0		0		20	35	175
trans-1,3-Dichloropropene	ND		20	19.0	95.0		20	20.0	100		5.13		20	35	175
Xylenes,Total	ND		60	54	90		60	54	90		0		20	35	175
Surr: 1,2-Dichloroethane-d4	ND		50	47	94.0		50	50.0	100		6.19		30	62	130
Surr: 4-Bromofluorobenzene	ND		50	52	104		50	53.0	106		1.90		30	70	130
Surr: Toluene-d8	ND		50	46	92.0		50	47.0	94.0		2.15		30	74	122

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Nitrate Nitrogen (as N), Total** **WorkOrder:** **08051372**
Method: **E353.2** **Lab Batch ID:** **R238560**

Method Blank

RunID: WET_080520ZJ-4454509 Units: mg/L
Analysis Date: 05/20/2008 13:38 Analyst: TW

Analyte	Result	Qual	Rep Limit	MDL
Nitrogen,Nitrate (As N)	ND		0.50	0.153

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08051372-04C	202R
08051372-05C	203R
08051372-06C	204R
08051372-07C	EW-10S
08051372-08C	70-S

Laboratory Control Sample (LCS)

RunID: WET_080520ZJ-4454510 Units: mg/L
Analysis Date: 05/20/2008 13:38 Analyst: TW

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
Nitrogen,Nitrate (As N)	5.000	4.865	97.31		90	110

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08051372-08
RunID: WET_080520ZJ-4454530 Units: mg/L
Analysis Date: 05/20/2008 13:38 Analyst: TW

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
Nitrogen,Nitrate (As N)	1.062		5	5.637	91.49		5	5.978	98.30		5.863		20	90	110

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Nitrate Nitrogen (as N), Total** **WorkOrder:** **08051372**
Method: **E353.2** **Lab Batch ID:** **R238560A**

Method Blank

RunID: WET_080520ZJ-4454509 Units: mg/L
Analysis Date: 05/20/2008 13:38 Analyst: TW

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08051372-02C	79S
08051372-03C	51S

Analyte	Result	Qual	Rep Limit	MDL
Nitrogen,Nitrate (As N)	ND		0.50	0.153

Laboratory Control Sample (LCS)

RunID: WET_080520ZJ-4454510 Units: mg/L
Analysis Date: 05/20/2008 13:38 Analyst: TW

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
Nitrogen,Nitrate (As N)	5.000	4.865	97.31		90	110

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08051368-03
RunID: WET_080520ZJ-4454516 Units: mg/L
Analysis Date: 05/20/2008 13:38 Analyst: TW

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
Nitrogen,Nitrate (As N)	4.168		5	9.800	112.6	*	5	9.852	113.7	*	0.5302		20	90	110

Qualifiers:
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J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Nitrite Nitrogen (as N), Total** **WorkOrder:** **08051372**
Method: **E353.2** **Lab Batch ID:** **R238564**

Method Blank

RunID: WET_080520ZL-4454579 Units: mg/L
Analysis Date: 05/20/2008 16:00 Analyst: TW

Analyte	Result	Qual	Rep Limit	MDL
Nitrogen,Nitrite	0.214	J	0.50	0.136

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08051372-02C	79S
08051372-03C	51S
08051372-04C	202R
08051372-05C	203R
08051372-06C	204R
08051372-07C	EW-10S
08051372-08C	70-S

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08051372-08
RunID: WET_080520ZL-4454591 Units: mg/L
Analysis Date: 05/20/2008 16:00 Analyst: TW

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
Nitrogen,Nitrite	ND		5	3.631	72.63	*	5	3.722	74.45	*	2.478		20	90	110

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

Sample Receipt Checklist

And

Chain of Custody

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Sample Receipt Checklist

Workorder:	**08051372**	Received By:	**RE**
Date and Time Received:	**5/20/2008 10:00:00 AM**	Carrier name:	**Fedex-Priority**
Temperature:	**3.5/4.0°C**	Chilled by:	**Water Ice**

1.	**Shipping container/cooler in good condition?**	Yes ☑	No ☐	Not Present ☐
2.	**Custody seals intact on shippping container/cooler?**	Yes ☑	No ☐	Not Present ☐
3.	**Custody seals intact on sample bottles?**	Yes ☐	No ☐	Not Present ☑
4.	**Chain of custody present?**	Yes ☑	No ☐	
5.	**Chain of custody signed when relinquished and received?**	Yes ☑	No ☐	
6.	**Chain of custody agrees with sample labels?** 1.Client requested IC300 method for Nitrate and Nitrite on chain.	Yes ☐	No ☑	
7.	**Samples in proper container/bottle?**	Yes ☑	No ☐	
8.	**Sample containers intact?**	Yes ☑	No ☐	
9.	**Sufficient sample volume for indicated test?**	Yes ☑	No ☐	
10.	**All samples received within holding time?**	Yes ☑	No ☐	
11.	**Container/Temp Blank temperature in compliance?**	Yes ☑	No ☐	
12.	**Water - VOA vials have zero headspace?**	Yes ☐	No ☐	VOA Vials Not Present ☑
13.	**Water - Preservation checked upon receipt (except VOA*)?**	Yes ☑	No ☐	Not Applicable ☐

***VOA Preservation Checked After Sample Analysis**

SPL Representative: Marroquin, Joann **Contact Date & Time:**

Client Name Contacted:

Non Conformance Issues:

Client Instructions: 1.Due to IC instrument being down, switch method to 353.2.

SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No. 08051372

295216

page 1 of 1

Client Name: ARCADIS
Address: 175 Cabot St #400 lowell MA 01854
Phone/Fax: 9789379999 / 9789377565
Client Contact: Debra Stalk Email:
Project Name/No.: Ford / MA000725
Site Name: Tibbetts
Site Location: Tibbetts Road
Invoice To: Ph:

matrix: W=water S=soil O=oil SL=sludge X=other
bottle: P=plastic A=amber glass G=glass V=vial X=other
size: 1=1 liter 4=4oz 40=vial 8=8oz 16=16oz X=other
pres.: 1=HCl 2=HNO3 3=H2SO4 X=other

Requested Analysis

SAMPLE ID	DATE	TIME	comp	grab	matrix	bottle	size	pres.	Number of Containers	VOC 8260B	As, Mn 6010B	NO3/NO2 E300	Ethene, ethane, methane RSK-147	RUSH				
Trip Blank	—	—	—	—	W	V	40	1	2	✓				*				
79S	5-19-08	1035		X	W	P,V	4c/16/x	1,2	5	✓	✓	✓		2 coolers total				
51s	5-19-08	1205		X	W	P,V		1,2	5	✓	✓	✓						
202R	5-19-08	1210		X	W	P,V		1,2	8	✓	✓	✓	✓					
203R	5-19-08	1350		X	W	P,V		1,2	5	✓	✓	✓						
204R	5-19-08	1055		X	W	P,V		1,2	5	✓	✓	✓						
EW-10s	5-19-08	1450		X	W	P,V		1,2	8	✓	✓	✓	✓					
70-S	5-19-08	1535		X	W	P,V		1,2	8	✓	✓	✓	✓					
70s-MS				X	W	P,V		1,2	8	✓	✓	✓	✓					
70s-MSD				X	W	P,V		1,2	8	✓	✓	✓	✓					

Client/Consultant Remarks: ENOVIS project # E101274

Laboratory remarks:

Intact? ☐ Y ☐ N
Ice? ☐ Y ☐ N
Temp: 3.5c/4.0c

Requested TAT

Contract ☐ 72hr ☐
24hr ☐ Standard ☒
48hr ☐
Other ☐ _____

Special Reporting Requirements Results: Fax ☐ Email ☐ PDF ☐
Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐ TX TRRP ☐ LA RECAP ☐

Special Detection Limits (specify):

PM review (initial): PM

1. Relinquished by Sampler:	date 5-19-08	time 1730	2. Received by:
3. Relinquished by:	date	time	4. Received by:
5. Relinquished by:	date 5/20/08	time 1000	6. Received by Laboratory:

☒ 8880 Interchange Drive
Houston, TX 77054 (713) 660-0901

☐ 500 Ambassador Caffery Parkway
Scott, LA 70583 (337) 237-4775

☐ 459 Hughes Drive
Traverse City, MI 49686 (231) 947-5777

June 13, 2008

Debra Stake
ARCADIS
175 Cabot Street, Suite 400
Lowell, MA US 01854

Enovis project ID: E101274
Project: Tibbetts Rd. sampling
Project number: MA000725
Laboratory: Southern Petroleum Laboratory (SPL) - Houston
Laboratory submittal: 08051499
Sample date: 2008-05-20
Report received by Enovis: 2008-06-11
Initial Data Verification completed by Enovis: 2008-06-13

Data verification for the report specified above was completed using the Ford Motor Company Environmental Laboratory Technical Specification, the Enovis Standard Operating Procedure for the Verification of Environmental Analytical Data and the associated analytical methods as references for evaluating the batch QC, sample data and report content. The EPA National Functional Guidelines for validating organic and inorganic data were used as guidance when addressing out of control QC results and the associated data qualifiers.

9 Water sample(s) and 1 trip blank were analyzed for GCMS VOC, GC VOC, Metals and General Chemistry parameter(s).

Sample/MS/MSD Surrogate Recovery, Blank/LCS Surrogate Recovery, LCS/LCD Recovery, MS/MSD Recovery, MS/MSD RPD, Sample Duplicate RPD, Blank Contamination and Hold Time Exception were reviewed as part of our verification.

Analytical results reported between RDL and MDL are flagged 'J' and considered estimated values.

The following minor QC exceptions or missing information were noted:

Nitrate MS/MSD recoveries performed on the client sample -02 were outside of laboratory control limits biased low. Client sample -02 Nitrite result is already qualified as estimated due to the concentration being between the MDL and RL so further qualification is not required.

Nitrite MS recovery performed on client sample -02 was outside of laboratory control limits biased low. The MSD recovery and MS/MSD RPD were acceptable so qualification of client sample -02 Nitrite results is not required.

GCMS VOC trip blank for this sample submittal was non-detect for all target analytes.

GCMS VOC MS/MSD RPD performed on client sample -02 was outside of laboratory control limits for 2-Butanone. Qualification of client sample results is not required based on this QC outlier.

The definitions of the qualifiers used for this data package are defined in the analytical report. Enovis valid qualifiers are defined in the table below. To view and download a PDF copy of the laboratory's analytical report access the Enovis CLMS at http://enovis-inc.com/enovis53/index.cfm.

Please contact me if you have any questions.

Sincerely,

Jim Tomalia, Project Scientist

Enovis Valid Qualifiers

Valid Qualifiers	Description
<	Less than the reported concentration.
>	Greater than the reported concentration.
B	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was greater than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the reported concentration. For Inorganic methods the sample concentration was greater than the RDL and less than 10x the blank concentration and is considered non-detect at the reported concentration.
E	The analyte / Compound reported exceeds the calibration range and is considered estimated.
EMPC	Estimated Minimum Potential Contamination - Dioxin/Furan analyses only
J	Indicates an estimated value. This flag is used either when estimating a concentration for a tentatively identified compound or when the data indicates the presence of an analyte / compound but the result is less than the sample Quantitation limit, but greater than zero. The flag is also used in data validation to indicate a reported value should be considered estimated due to associated quality assurance deficiencies.
JH	The sample result is considered estimated and is potentially biased high.
JL	The sample result is considered estimated and is potentially biased low.
NJ	Tentatively identified compound with approximated concentration.
R	Indicates the value is considered to be unusable. (Note: The analyte / compound may or may not be present.)
TNTC	Too Numerous to Count - Asbestos and Microbiological Results
U	Indicates that the analyte / compound was analyzed for, but not detected.
UB	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was less than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the RDL. For Inorganic methods the sample concentration was less than the RDL and less than 10x the blank concentration and is considered non-detect at the RDL.
UJ	The analyte / compound was not detected above the reported sample Quantitation limit. However, the Quantitation limit is considered to be approximate due to associated quality assurance results and may or may not represent the actual limit of Quantitation to accurately and precisely report the analyte in the sample.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Enovis, Inc.

Certificate of Analysis Number:

08051499

Report To:	**Project Name:** E101274, Tibbetts Road
ARCADIS U.S., Inc.	**Site:** Tibbetts Rd.
Debra Stake	**Site Address:**
175 Cabot Street, Suite 400	
Lowell	**PO Number:**
MA	**State:** New Hampshire
01854-	**State Cert. No.:** 295301
ph: (978) 937-9999 fax:	**Date Reported:** 6/9/2008

This Report Contains A Total Of 63 Pages

Excluding This Page

And

Chain Of Custody

6/11/2008

Joann Marroquin
Project Manager

Date

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Case Narrative for:

Enovis, Inc.

Certificate of Analysis Number:

08051499

Report To:		**Project Name:**	**E101274, Tibbetts Road**
ARCADIS U.S., Inc.		**Site:**	**Tibbetts Rd.**
Debra Stake		**Site Address:**	
175 Cabot Street, Suite 400			
Lowell		**PO Number:**	
MA		**State:**	**New Hampshire**
01854-		**State Cert. No.:**	**295301**
ph: (978) 937-9999	**fax:**	**Date Reported:**	**6/9/2008**

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report (" mg\kg-dry " or " ug\kg-dry ").

Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

Your sample ID "169R" (08051499-02) was randomly selected for use in SPL's quality control program for the Total Nitrate Nitrogen analysis by EPA Method 353.2. The Matrix Spike (MS) and Matrix Spike Duplicate (MSD) recoveries were outside of the advisable quality control limits for Batch ID: (R238835) due to matrix interference.

Some of the percent recoveries and RPD's on the QC report for the MS/MSD may be different than the calculated recoveries and RPD's using the sample result and the MS/MSD results that appear on the report because, the actual raw result is used to perform the calculations for percent recovery and RPD.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

6/11/2008

Joann Marroquin
Senior Project Manager

Date

Test results meet all requirements of NELAC, unless specified in the narrative.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Enovis, Inc.

Certificate of Analysis Number:

08051499

Report To: ARCADIS U.S., Inc.
Debra Stake
175 Cabot Street, Suite 400

Lowell
MA
01854-
ph: (978) 937-9999 fax: (978) 937-7555

Fax To:

Project Name: E101274, Tibbetts Road
Site: Tibbetts Rd.
Site Address:

PO Number:
State: New Hampshire
State Cert. No.: 295301
Date Reported: 6/9/2008

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
Trip Blank	08051499-01	Water	5/20/2008	5/21/2008 10:00:00 AM	295215	☐
169R	08051499-02	Water	5/20/2008 10:00:00 AM	5/21/2008 10:00:00 AM	295215	☐
269R	08051499-03	Water	5/20/2008 10:45:00 AM	5/21/2008 10:00:00 AM	295215	☐
IW6R	08051499-04	Water	5/20/2008 10:20:00 AM	5/21/2008 10:00:00 AM	295215	☐
IW2R	08051499-05	Water	5/20/2008 12:00:00 PM	5/21/2008 10:00:00 AM	295215	☐
69R	08051499-06	Water	5/20/2008 11:10:00 AM	5/21/2008 10:00:00 AM	295215	☐
37D	08051499-07	Water	5/20/2008 12:40:00 PM	5/21/2008 10:00:00 AM	295215	☐
IW-5R	08051499-08	Water	5/20/2008 1:20:00 PM	5/21/2008 10:00:00 AM	295215	☐
IW-1R	08051499-09	Water	5/20/2008 2:55:00 PM	5/21/2008 10:00:00 AM	295215	☐
50S	08051499-10	Water	5/20/2008 4:05:00 PM	5/21/2008 10:00:00 AM	295215	☐

Joann Marroquin
Senior Project Manager

6/11/2008
Date

Richard R. Reed
Laboratory Director

Ted Yen
Quality Assurance Officer

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: Trip Blank | **Collected:** 05/20/2008 0:00 | **SPL Sample ID:** 08051499-01

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	05/30/08 16:54	LU_L	4473507
1,1,1-Trichloroethane	ND		0.25	5	1	05/30/08 16:54	LU_L	4473507
1,1,2-Trichloroethane	ND		0.38	5	1	05/30/08 16:54	LU_L	4473507
1,1-Dichloroethane	ND		0.28	5	1	05/30/08 16:54	LU_L	4473507
1,1-Dichloroethene	ND		0.5	5	1	05/30/08 16:54	LU_L	4473507
1,1-Dichloropropene	ND		0.35	5	1	05/30/08 16:54	LU_L	4473507
1,2-Dibromoethane	ND		0.31	5	1	05/30/08 16:54	LU_L	4473507
2-Butanone	ND		3.2	20	1	05/30/08 16:54	LU_L	4473507
2-Hexanone	ND		0.47	10	1	05/30/08 16:54	LU_L	4473507
4-Methyl-2-pentanone	ND		0.31	10	1	05/30/08 16:54	LU_L	4473507
Acetone	ND		4.6	100	1	05/30/08 16:54	LU_L	4473507
Benzene	ND		0.35	5	1	05/30/08 16:54	LU_L	4473507
Bromodichloromethane	ND		0.25	5	1	05/30/08 16:54	LU_L	4473507
Bromoform	ND		0.5	5	1	05/30/08 16:54	LU_L	4473507
Bromomethane	ND		0.78	10	1	05/30/08 16:54	LU_L	4473507
Carbon disulfide	ND		0.25	5	1	05/30/08 16:54	LU_L	4473507
Carbon tetrachloride	ND		0.25	5	1	05/30/08 16:54	LU_L	4473507
Chlorobenzene	ND		0.3	5	1	05/30/08 16:54	LU_L	4473507
Chloroethane	ND		0.31	10	1	05/30/08 16:54	LU_L	4473507
Chloroform	ND		0.24	5	1	05/30/08 16:54	LU_L	4473507
Chloromethane	ND		0.3	10	1	05/30/08 16:54	LU_L	4473507
Dibromochloromethane	ND		0.36	5	1	05/30/08 16:54	LU_L	4473507
Dibromomethane	ND		0.3	5	1	05/30/08 16:54	LU_L	4473507
Ethylbenzene	ND		0.34	5	1	05/30/08 16:54	LU_L	4473507
Methylene chloride	ND		0.67	5	1	05/30/08 16:54	LU_L	4473507
Styrene	ND		0.7	5	1	05/30/08 16:54	LU_L	4473507
Tetrachloroethene	ND		0.49	5	1	05/30/08 16:54	LU_L	4473507
Toluene	ND		0.25	5	1	05/30/08 16:54	LU_L	4473507
Trichloroethene	ND		0.25	5	1	05/30/08 16:54	LU_L	4473507
Vinyl acetate	ND		0.57	10	1	05/30/08 16:54	LU_L	4473507
Vinyl chloride	ND		0.25	2	1	05/30/08 16:54	LU_L	4473507
cis-1,2-Dichloroethene	ND		0.48	5	1	05/30/08 16:54	LU_L	4473507
cis-1,3-Dichloropropene	ND		0.26	5	1	05/30/08 16:54	LU_L	4473507
m,p-Xylene	ND		0.3	1	1	05/30/08 16:54	LU_L	4473507
o-Xylene	ND		0.31	1	1	05/30/08 16:54	LU_L	4473507
trans-1,2-Dichloroethene	ND		0.35	5	1	05/30/08 16:54	LU_L	4473507
trans-1,3-Dichloropropene	ND		0.31	5	1	05/30/08 16:54	LU_L	4473507
Xylenes,Total	ND		0.3	1	1	05/30/08 16:54	LU_L	4473507
Surr: 1,2-Dichloroethane-d4	100		0	% 62-130	1	05/30/08 16:54	LU_L	4473507

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: Trip Blank | **Collected:** 05/20/2008 0:00 | **SPL Sample ID:** 08051499-01

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 4-Bromofluorobenzene	98.0		0	%	70-130	1	05/30/08 16:54	LU_L	4473507
Surr: Toluene-d8	94.0		0	%	74-122	1	05/30/08 16:54	LU_L	4473507

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 169R **Collected:** 05/20/2008 10:00 **SPL Sample ID:** 08051499-02

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
HEADSPACE GAS ANALYSIS					**MCL**	**RSK147 Units: mg/L**		
Ethane	ND		0.0025	0.0025	1	06/02/08 7:31	E_S1	4477526
Ethylene	ND		0.0032	0.0032	1	06/02/08 7:31	E_S1	4477526
Methane	2.5		0.024	0.024	20	06/02/08 10:38	E_S1	4477539

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 169R **Collected:** 05/20/2008 10:00 **SPL Sample ID:** 08051499-02

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL					**MCL**	**SW6010B Units: mg/L**		
Arsenic	0.0318	J	0.0192	0.1	1	06/04/08 2:50	EG	4484274
Manganese	2.62		0.000957	0.005	1	06/04/08 2:50	EG	4484274

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/30/2008 16:10	DDW	1.00

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
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MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 169R **Collected:** 05/20/2008 10:00 **SPL Sample ID:** 08051499-02

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	05/30/08 17:23	LU_L	4473508
1,1,1-Trichloroethane	ND		0.25	5	1	05/30/08 17:23	LU_L	4473508
1,1,2-Trichloroethane	ND		0.38	5	1	05/30/08 17:23	LU_L	4473508
1,1-Dichloroethane	ND		0.28	5	1	05/30/08 17:23	LU_L	4473508
1,1-Dichloroethene	ND		0.5	5	1	05/30/08 17:23	LU_L	4473508
1,1-Dichloropropene	ND		0.35	5	1	05/30/08 17:23	LU_L	4473508
1,2-Dibromoethane	ND		0.31	5	1	05/30/08 17:23	LU_L	4473508
2-Butanone	ND		3.2	20	1	05/30/08 17:23	LU_L	4473508
2-Hexanone	ND		0.47	10	1	05/30/08 17:23	LU_L	4473508
4-Methyl-2-pentanone	ND		0.31	10	1	05/30/08 17:23	LU_L	4473508
Acetone	ND		4.6	100	1	05/30/08 17:23	LU_L	4473508
Benzene	510		1.7	25	5	05/31/08 20:32	LU_L	4474940
Bromodichloromethane	ND		0.25	5	1	05/30/08 17:23	LU_L	4473508
Bromoform	ND		0.5	5	1	05/30/08 17:23	LU_L	4473508
Bromomethane	ND		0.78	10	1	05/30/08 17:23	LU_L	4473508
Carbon disulfide	ND		0.25	5	1	05/30/08 17:23	LU_L	4473508
Carbon tetrachloride	ND		0.25	5	1	05/30/08 17:23	LU_L	4473508
Chlorobenzene	ND		0.3	5	1	05/30/08 17:23	LU_L	4473508
Chloroethane	ND		0.31	10	1	05/30/08 17:23	LU_L	4473508
Chloroform	ND		0.24	5	1	05/30/08 17:23	LU_L	4473508
Chloromethane	ND		0.3	10	1	05/30/08 17:23	LU_L	4473508
Dibromochloromethane	ND		0.36	5	1	05/30/08 17:23	LU_L	4473508
Dibromomethane	ND		0.3	5	1	05/30/08 17:23	LU_L	4473508
Ethylbenzene	200		0.34	5	1	05/30/08 17:23	LU_L	4473508
Methylene chloride	ND		0.67	5	1	05/30/08 17:23	LU_L	4473508
Styrene	ND		0.7	5	1	05/30/08 17:23	LU_L	4473508
Tetrachloroethene	ND		0.49	5	1	05/30/08 17:23	LU_L	4473508
Toluene	9		0.25	5	1	05/30/08 17:23	LU_L	4473508
Trichloroethene	ND		0.25	5	1	05/30/08 17:23	LU_L	4473508
Vinyl acetate	ND		0.57	10	1	05/30/08 17:23	LU_L	4473508
Vinyl chloride	1	J	0.25	2	1	05/30/08 17:23	LU_L	4473508
cis-1,2-Dichloroethene	310		2.4	25	5	05/31/08 20:32	LU_L	4474940
cis-1,3-Dichloropropene	ND		0.26	5	1	05/30/08 17:23	LU_L	4473508
m,p-Xylene	320		0.3	1	1	05/30/08 17:23	LU_L	4473508
o-Xylene	43		0.31	1	1	05/30/08 17:23	LU_L	4473508
trans-1,2-Dichloroethene	ND		0.35	5	1	05/30/08 17:23	LU_L	4473508
trans-1,3-Dichloropropene	ND		0.31	5	1	05/30/08 17:23	LU_L	4473508
Xylenes,Total	363		0.299	1	1	05/30/08 17:23	LU_L	4473508
Surr: 1,2-Dichloroethane-d4	98.0		0 %	62-130	1	05/30/08 17:23	LU_L	4473508

Joann Marroquin
Project Manager

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>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 169R **Collected:** 05/20/2008 10:00 **SPL Sample ID:** 08051499-02

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 1,2-Dichloroethane-d4	96.0		0	%	62-130	5	05/31/08 20:32	LU_L	4474940
Surr: 4-Bromofluorobenzene	102		0	%	70-130	1	05/30/08 17:23	LU_L	4473508
Surr: 4-Bromofluorobenzene	104		0	%	70-130	5	05/31/08 20:32	LU_L	4474940
Surr: Toluene-d8	90.0		0	%	74-122	1	05/30/08 17:23	LU_L	4473508
Surr: Toluene-d8	92.0		0	%	74-122	5	05/31/08 20:32	LU_L	4474940

Joann Marroquin
Project Manager

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 169R **Collected:** 05/20/2008 10:00 **SPL Sample ID:** 08051499-02

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
NITRATE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrate (As N)	0.457	J	0.153	0.5	1	05/21/08 16:36	TW	4459114
NITRITE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrite	ND		0.136	0.5	1	05/21/08 17:48	TW	4459607

Joann Marroquin
Project Manager

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 269R **Collected:** 05/20/2008 10:45 **SPL Sample ID:** 08051499-03

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
HEADSPACE GAS ANALYSIS					**MCL**	**RSK147 Units: mg/L**		
Ethane	ND		0.0025	0.0025	1	06/02/08 7:42	E_S1	4477527
Ethylene	ND		0.0032	0.0032	1	06/02/08 7:42	E_S1	4477527
Methane	2.8		0.024	0.024	20	06/02/08 10:50	E_S1	4477540

Joann Marroquin
Project Manager

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 269R **Collected:** 05/20/2008 10:45 **SPL Sample ID:** 08051499-03

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL					**MCL**	**SW6010B Units: mg/L**		
Arsenic	0.0301	J	0.0192	0.1	1	06/04/08 2:54	EG	4484275
Manganese	2.52		0.000957	0.005	1	06/04/08 2:54	EG	4484275

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/30/2008 16:10	DDW	1.00

Joann Marroquin
Project Manager

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 269R **Collected:** 05/20/2008 10:45 **SPL Sample ID:** 08051499-03

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	05/30/08 17:51	LU_L	4473509
1,1,1-Trichloroethane	ND		0.25	5	1	05/30/08 17:51	LU_L	4473509
1,1,2-Trichloroethane	ND		0.38	5	1	05/30/08 17:51	LU_L	4473509
1,1-Dichloroethane	ND		0.28	5	1	05/30/08 17:51	LU_L	4473509
1,1-Dichloroethene	ND		0.5	5	1	05/30/08 17:51	LU_L	4473509
1,1-Dichloropropene	ND		0.35	5	1	05/30/08 17:51	LU_L	4473509
1,2-Dibromoethane	ND		0.31	5	1	05/30/08 17:51	LU_L	4473509
2-Butanone	ND		3.2	20	1	05/30/08 17:51	LU_L	4473509
2-Hexanone	ND		0.47	10	1	05/30/08 17:51	LU_L	4473509
4-Methyl-2-pentanone	ND		0.31	10	1	05/30/08 17:51	LU_L	4473509
Acetone	ND		4.6	100	1	05/30/08 17:51	LU_L	4473509
Benzene	580		1.7	25	5	05/31/08 20:59	LU_L	4474941
Bromodichloromethane	ND		0.25	5	1	05/30/08 17:51	LU_L	4473509
Bromoform	ND		0.5	5	1	05/30/08 17:51	LU_L	4473509
Bromomethane	ND		0.78	10	1	05/30/08 17:51	LU_L	4473509
Carbon disulfide	ND		0.25	5	1	05/30/08 17:51	LU_L	4473509
Carbon tetrachloride	ND		0.25	5	1	05/30/08 17:51	LU_L	4473509
Chlorobenzene	ND		0.3	5	1	05/30/08 17:51	LU_L	4473509
Chloroethane	ND		0.31	10	1	05/30/08 17:51	LU_L	4473509
Chloroform	ND		0.24	5	1	05/30/08 17:51	LU_L	4473509
Chloromethane	ND		0.3	10	1	05/30/08 17:51	LU_L	4473509
Dibromochloromethane	ND		0.36	5	1	05/30/08 17:51	LU_L	4473509
Dibromomethane	ND		0.3	5	1	05/30/08 17:51	LU_L	4473509
Ethylbenzene	210		1.7	25	5	05/31/08 20:59	LU_L	4474941
Methylene chloride	ND		0.67	5	1	05/30/08 17:51	LU_L	4473509
Styrene	ND		0.7	5	1	05/30/08 17:51	LU_L	4473509
Tetrachloroethene	ND		0.49	5	1	05/30/08 17:51	LU_L	4473509
Toluene	10		0.25	5	1	05/30/08 17:51	LU_L	4473509
Trichloroethene	ND		0.25	5	1	05/30/08 17:51	LU_L	4473509
Vinyl acetate	ND		0.57	10	1	05/30/08 17:51	LU_L	4473509
Vinyl chloride	1	J	0.25	2	1	05/30/08 17:51	LU_L	4473509
cis-1,2-Dichloroethene	360		2.4	25	5	05/31/08 20:59	LU_L	4474941
cis-1,3-Dichloropropene	ND		0.26	5	1	05/30/08 17:51	LU_L	4473509
m,p-Xylene	340		0.3	1	1	05/30/08 17:51	LU_L	4473509
o-Xylene	46		0.31	1	1	05/30/08 17:51	LU_L	4473509
trans-1,2-Dichloroethene	ND		0.35	5	1	05/30/08 17:51	LU_L	4473509
trans-1,3-Dichloropropene	ND		0.31	5	1	05/30/08 17:51	LU_L	4473509
Xylenes,Total	386		0.299	1	1	05/30/08 17:51	LU_L	4473509
Surr: 1,2-Dichloroethane-d4	92.0		0 %	62-130	1	05/30/08 17:51	LU_L	4473509

Joann Marroquin
Project Manager

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 269R **Collected:** 05/20/2008 10:45 **SPL Sample ID:** 08051499-03

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 1,2-Dichloroethane-d4	92.0		0	%	62-130	5	05/31/08 20:59	LU_L	4474941
Surr: 4-Bromofluorobenzene	104		0	%	70-130	1	05/30/08 17:51	LU_L	4473509
Surr: 4-Bromofluorobenzene	100		0	%	70-130	5	05/31/08 20:59	LU_L	4474941
Surr: Toluene-d8	94.0		0	%	74-122	1	05/30/08 17:51	LU_L	4473509
Surr: Toluene-d8	92.0		0	%	74-122	5	05/31/08 20:59	LU_L	4474941

Joann Marroquin
Project Manager

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8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 269R **Collected:** 05/20/2008 10:45 **SPL Sample ID:** 08051499-03

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
NITRATE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrate (As N)	0.25	J	0.153	0.5	1	05/21/08 16:36	TW	4459117
NITRITE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrite	0.22	J	0.136	0.5	1	05/21/08 17:48	TW	4459610

Joann Marroquin
Project Manager

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8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: IW6R **Collected:** 05/20/2008 10:20 **SPL Sample ID:** 08051499-04

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
HEADSPACE GAS ANALYSIS					**MCL**	**RSK147 Units: mg/L**		
Ethane	ND		0.0025	0.0025	1	06/02/08 8:03	E_S1	4477529
Ethylene	ND		0.0032	0.0032	1	06/02/08 8:03	E_S1	4477529
Methane	0.0073		0.0012	0.0012	1	06/02/08 8:03	E_S1	4477529

Joann Marroquin
Project Manager

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: IW6R **Collected:** 05/20/2008 10:20 **SPL Sample ID:** 08051499-04

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B Units: mg/L**			
Arsenic	ND		0.0192	0.1	1	06/04/08 2:59	EG	4484276
Manganese	5.97		0.000957	0.005	1	06/04/08 2:59	EG	4484276

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/30/2008 16:10	DDW	1.00

Joann Marroquin
Project Manager

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: IW6R **Collected:** 05/20/2008 10:20 **SPL Sample ID:** 08051499-04

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	05/31/08 21:55	LU_L	4474943
1,1,1-Trichloroethane	ND		0.25	5	1	05/31/08 21:55	LU_L	4474943
1,1,2-Trichloroethane	ND		0.38	5	1	05/31/08 21:55	LU_L	4474943
1,1-Dichloroethane	ND		0.28	5	1	05/31/08 21:55	LU_L	4474943
1,1-Dichloroethene	ND		0.5	5	1	05/31/08 21:55	LU_L	4474943
1,1-Dichloropropene	ND		0.35	5	1	05/31/08 21:55	LU_L	4474943
1,2-Dibromoethane	ND		0.31	5	1	05/31/08 21:55	LU_L	4474943
2-Butanone	ND		3.2	20	1	05/31/08 21:55	LU_L	4474943
2-Hexanone	ND		0.47	10	1	05/31/08 21:55	LU_L	4474943
4-Methyl-2-pentanone	ND		0.31	10	1	05/31/08 21:55	LU_L	4474943
Acetone	ND		4.6	100	1	05/31/08 21:55	LU_L	4474943
Benzene	ND		0.35	5	1	05/31/08 21:55	LU_L	4474943
Bromodichloromethane	ND		0.25	5	1	05/31/08 21:55	LU_L	4474943
Bromoform	ND		0.5	5	1	05/31/08 21:55	LU_L	4474943
Bromomethane	ND		0.78	10	1	05/31/08 21:55	LU_L	4474943
Carbon disulfide	ND		0.25	5	1	05/31/08 21:55	LU_L	4474943
Carbon tetrachloride	ND		0.25	5	1	05/31/08 21:55	LU_L	4474943
Chlorobenzene	ND		0.3	5	1	05/31/08 21:55	LU_L	4474943
Chloroethane	ND		0.31	10	1	05/31/08 21:55	LU_L	4474943
Chloroform	ND		0.24	5	1	05/31/08 21:55	LU_L	4474943
Chloromethane	ND		0.3	10	1	05/31/08 21:55	LU_L	4474943
Dibromochloromethane	ND		0.36	5	1	05/31/08 21:55	LU_L	4474943
Dibromomethane	ND		0.3	5	1	05/31/08 21:55	LU_L	4474943
Ethylbenzene	ND		0.34	5	1	05/31/08 21:55	LU_L	4474943
Methylene chloride	ND		0.67	5	1	05/31/08 21:55	LU_L	4474943
Styrene	ND		0.7	5	1	05/31/08 21:55	LU_L	4474943
Tetrachloroethene	2	J	0.49	5	1	05/31/08 21:55	LU_L	4474943
Toluene	ND		0.25	5	1	05/31/08 21:55	LU_L	4474943
Trichloroethene	2	J	0.25	5	1	05/31/08 21:55	LU_L	4474943
Vinyl acetate	ND		0.57	10	1	05/31/08 21:55	LU_L	4474943
Vinyl chloride	ND		0.25	2	1	05/31/08 21:55	LU_L	4474943
cis-1,2-Dichloroethene	54		0.48	5	1	05/31/08 21:55	LU_L	4474943
cis-1,3-Dichloropropene	ND		0.26	5	1	05/31/08 21:55	LU_L	4474943
m,p-Xylene	ND		0.3	1	1	05/31/08 21:55	LU_L	4474943
o-Xylene	ND		0.31	1	1	05/31/08 21:55	LU_L	4474943
trans-1,2-Dichloroethene	ND		0.35	5	1	05/31/08 21:55	LU_L	4474943
trans-1,3-Dichloropropene	ND		0.31	5	1	05/31/08 21:55	LU_L	4474943
Xylenes,Total	ND		0.3	1	1	05/31/08 21:55	LU_L	4474943
Surr: 1,2-Dichloroethane-d4	92.0		0	% 62-130	1	05/31/08 21:55	LU_L	4474943

Joann Marroquin
Project Manager

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D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: IW6R **Collected:** 05/20/2008 10:20 **SPL Sample ID:** 08051499-04

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 4-Bromofluorobenzene	100		0	%	70-130	1	05/31/08 21:55	LU_L	4474943
Surr: Toluene-d8	92.0		0	%	74-122	1	05/31/08 21:55	LU_L	4474943

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: IW6R **Collected:** 05/20/2008 10:20 **SPL Sample ID:** 08051499-04

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
NITRATE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrate (As N)	ND		0.153	0.5	1	05/21/08 16:36	TW	4459118
NITRITE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrite	ND		0.136	0.5	1	05/21/08 17:48	TW	4459611

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
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E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: IW2R **Collected:** 05/20/2008 12:00 **SPL Sample ID:** 08051499-05

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
HEADSPACE GAS ANALYSIS					**MCL**	**RSK147 Units: mg/L**		
Ethane	ND		0.0025	0.0025	1	06/02/08 8:15	E_S1	4477530
Ethylene	ND		0.0032	0.0032	1	06/02/08 8:15	E_S1	4477530
Methane	0.74		0.012	0.012	10	06/02/08 10:05	E_S1	4477536

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: IW2R **Collected:** 05/20/2008 12:00 **SPL Sample ID:** 08051499-05

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL					**MCL**	**SW6010B Units: mg/L**		
Arsenic	ND		0.0384	0.2	2	06/04/08 3:03	EG	4484277
Manganese	139		0.00191	0.01	2	06/04/08 3:03	EG	4484277

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/30/2008 16:10	DDW	1.00

Joann Marroquin
Project Manager

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
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* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: IW2R **Collected:** 05/20/2008 12:00 **SPL Sample ID:** 08051499-05

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		2.1	25	5	05/30/08 21:34	LU_L	4473515
1,1,1-Trichloroethane	ND		1.2	25	5	05/30/08 21:34	LU_L	4473515
1,1,2-Trichloroethane	ND		1.9	25	5	05/30/08 21:34	LU_L	4473515
1,1-Dichloroethane	ND		1.4	25	5	05/30/08 21:34	LU_L	4473515
1,1-Dichloroethene	ND		2.5	25	5	05/30/08 21:34	LU_L	4473515
1,1-Dichloropropene	ND		1.7	25	5	05/30/08 21:34	LU_L	4473515
1,2-Dibromoethane	ND		1.5	25	5	05/30/08 21:34	LU_L	4473515
2-Butanone	ND		16	100	5	05/30/08 21:34	LU_L	4473515
2-Hexanone	ND		2.3	50	5	05/30/08 21:34	LU_L	4473515
4-Methyl-2-pentanone	19	J	1.6	50	5	05/30/08 21:34	LU_L	4473515
Acetone	58	J	23	500	5	05/30/08 21:34	LU_L	4473515
Benzene	12	J	1.7	25	5	05/30/08 21:34	LU_L	4473515
Bromodichloromethane	ND		1.2	25	5	05/30/08 21:34	LU_L	4473515
Bromoform	24	J	2.5	25	5	05/30/08 21:34	LU_L	4473515
Bromomethane	ND		3.9	50	5	05/30/08 21:34	LU_L	4473515
Carbon disulfide	ND		1.2	25	5	05/30/08 21:34	LU_L	4473515
Carbon tetrachloride	ND		1.2	25	5	05/30/08 21:34	LU_L	4473515
Chlorobenzene	12	J	1.5	25	5	05/30/08 21:34	LU_L	4473515
Chloroethane	ND		1.5	50	5	05/30/08 21:34	LU_L	4473515
Chloroform	ND		1.2	25	5	05/30/08 21:34	LU_L	4473515
Chloromethane	ND		1.5	50	5	05/30/08 21:34	LU_L	4473515
Dibromochloromethane	ND		1.8	25	5	05/30/08 21:34	LU_L	4473515
Dibromomethane	ND		1.5	25	5	05/30/08 21:34	LU_L	4473515
Ethylbenzene	ND		1.7	25	5	05/30/08 21:34	LU_L	4473515
Methylene chloride	ND		3.4	25	5	05/30/08 21:34	LU_L	4473515
Styrene	ND		3.5	25	5	05/30/08 21:34	LU_L	4473515
Tetrachloroethene	ND		2.5	25	5	05/30/08 21:34	LU_L	4473515
Toluene	ND		1.2	25	5	05/30/08 21:34	LU_L	4473515
Trichloroethene	ND		1.2	25	5	05/30/08 21:34	LU_L	4473515
Vinyl acetate	ND		2.8	50	5	05/30/08 21:34	LU_L	4473515
Vinyl chloride	ND		1.2	10	5	05/30/08 21:34	LU_L	4473515
cis-1,2-Dichloroethene	ND		2.4	25	5	05/30/08 21:34	LU_L	4473515
cis-1,3-Dichloropropene	ND		1.3	25	5	05/30/08 21:34	LU_L	4473515
m,p-Xylene	ND		1.5	5	5	05/30/08 21:34	LU_L	4473515
o-Xylene	ND		1.6	5	5	05/30/08 21:34	LU_L	4473515
trans-1,2-Dichloroethene	ND		1.7	25	5	05/30/08 21:34	LU_L	4473515
trans-1,3-Dichloropropene	ND		1.6	25	5	05/30/08 21:34	LU_L	4473515
Xylenes,Total	ND		1.5	5	5	05/30/08 21:34	LU_L	4473515
Surr: 1,2-Dichloroethane-d4	96.0		0	% 62-130	5	05/30/08 21:34	LU_L	4473515

Joann Marroquin
Project Manager

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
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TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: IW2R **Collected:** 05/20/2008 12:00 **SPL Sample ID:** 08051499-05

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 4-Bromofluorobenzene	100		0	%	70-130	5	05/30/08 21:34	LU_L	4473515
Surr: Toluene-d8	92.0		0	%	74-122	5	05/30/08 21:34	LU_L	4473515

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: IW2R **Collected:** 05/20/2008 12:00 **SPL Sample ID:** 08051499-05

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
NITRATE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrate (As N)	ND		38.2	125	250	05/21/08 16:36	TW	4459119
NITRITE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrite	ND		34	125	250	05/21/08 17:48	TW	4459612

Joann Marroquin
Project Manager

Qualifiers:

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 69R **Collected:** 05/20/2008 11:10 **SPL Sample ID:** 08051499-06

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
HEADSPACE GAS ANALYSIS					**MCL**	**RSK147 Units: mg/L**		
Ethane	ND		0.0025	0.0025	1	06/02/08 8:25	E_S1	4477531
Ethylene	ND		0.0032	0.0032	1	06/02/08 8:25	E_S1	4477531
Methane	1.3		0.012	0.012	10	06/02/08 10:16	E_S1	4477537

Joann Marroquin
Project Manager

Qualifiers:

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TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 69R **Collected:** 05/20/2008 11:10 **SPL Sample ID:** 08051499-06

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL					**MCL**	**SW6010B Units: mg/L**		
Arsenic	0.0928	J	0.0192	0.1	1	06/04/08 3:08	EG	4484278
Manganese	5.12		0.000957	0.005	1	06/04/08 3:08	EG	4484278

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/30/2008 16:10	DDW	1.00

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
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E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 69R **Collected:** 05/20/2008 11:10 **SPL Sample ID:** 08051499-06

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	05/30/08 18:48	LU_L	4473510
1,1,1-Trichloroethane	ND		0.25	5	1	05/30/08 18:48	LU_L	4473510
1,1,2-Trichloroethane	ND		0.38	5	1	05/30/08 18:48	LU_L	4473510
1,1-Dichloroethane	ND		0.28	5	1	05/30/08 18:48	LU_L	4473510
1,1-Dichloroethene	ND		0.5	5	1	05/30/08 18:48	LU_L	4473510
1,1-Dichloropropene	ND		0.35	5	1	05/30/08 18:48	LU_L	4473510
1,2-Dibromoethane	ND		0.31	5	1	05/30/08 18:48	LU_L	4473510
2-Butanone	ND		3.2	20	1	05/30/08 18:48	LU_L	4473510
2-Hexanone	ND		0.47	10	1	05/30/08 18:48	LU_L	4473510
4-Methyl-2-pentanone	ND		0.31	10	1	05/30/08 18:48	LU_L	4473510
Acetone	ND		4.6	100	1	05/30/08 18:48	LU_L	4473510
Benzene	460		1.7	25	5	05/31/08 20:04	LU_L	4474939
Bromodichloromethane	ND		0.25	5	1	05/30/08 18:48	LU_L	4473510
Bromoform	ND		0.5	5	1	05/30/08 18:48	LU_L	4473510
Bromomethane	ND		0.78	10	1	05/30/08 18:48	LU_L	4473510
Carbon disulfide	ND		0.25	5	1	05/30/08 18:48	LU_L	4473510
Carbon tetrachloride	ND		0.25	5	1	05/30/08 18:48	LU_L	4473510
Chlorobenzene	ND		0.3	5	1	05/30/08 18:48	LU_L	4473510
Chloroethane	ND		0.31	10	1	05/30/08 18:48	LU_L	4473510
Chloroform	ND		0.24	5	1	05/30/08 18:48	LU_L	4473510
Chloromethane	ND		0.3	10	1	05/30/08 18:48	LU_L	4473510
Dibromochloromethane	ND		0.36	5	1	05/30/08 18:48	LU_L	4473510
Dibromomethane	ND		0.3	5	1	05/30/08 18:48	LU_L	4473510
Ethylbenzene	140		0.34	5	1	05/30/08 18:48	LU_L	4473510
Methylene chloride	ND		0.67	5	1	05/30/08 18:48	LU_L	4473510
Styrene	ND		0.7	5	1	05/30/08 18:48	LU_L	4473510
Tetrachloroethene	ND		0.49	5	1	05/30/08 18:48	LU_L	4473510
Toluene	2	J	0.25	5	1	05/30/08 18:48	LU_L	4473510
Trichloroethene	ND		0.25	5	1	05/30/08 18:48	LU_L	4473510
Vinyl acetate	ND		0.57	10	1	05/30/08 18:48	LU_L	4473510
Vinyl chloride	ND		0.25	2	1	05/30/08 18:48	LU_L	4473510
cis-1,2-Dichloroethene	210		2.4	25	5	05/31/08 20:04	LU_L	4474939
cis-1,3-Dichloropropene	ND		0.26	5	1	05/30/08 18:48	LU_L	4473510
m,p-Xylene	200		0.3	1	1	05/30/08 18:48	LU_L	4473510
o-Xylene	44		0.31	1	1	05/30/08 18:48	LU_L	4473510
trans-1,2-Dichloroethene	ND		0.35	5	1	05/30/08 18:48	LU_L	4473510
trans-1,3-Dichloropropene	ND		0.31	5	1	05/30/08 18:48	LU_L	4473510
Xylenes,Total	244		0.299	1	1	05/30/08 18:48	LU_L	4473510
Surr: 1,2-Dichloroethane-d4	94.0		0	% 62-130	1	05/30/08 18:48	LU_L	4473510

Joann Marroquin
Project Manager

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
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E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 69R **Collected:** 05/20/2008 11:10 **SPL Sample ID:** 08051499-06

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 1,2-Dichloroethane-d4	96.0		0	%	62-130	5	05/31/08 20:04	LU_L	4474939
Surr: 4-Bromofluorobenzene	102		0	%	70-130	1	05/30/08 18:48	LU_L	4473510
Surr: 4-Bromofluorobenzene	104		0	%	70-130	5	05/31/08 20:04	LU_L	4474939
Surr: Toluene-d8	92.0		0	%	74-122	1	05/30/08 18:48	LU_L	4473510
Surr: Toluene-d8	92.0		0	%	74-122	5	05/31/08 20:04	LU_L	4474939

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
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TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 69R **Collected:** 05/20/2008 11:10 **SPL Sample ID:** 08051499-06

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
NITRATE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrate (As N)	ND		0.153	0.5	1	05/21/08 16:36	TW	4459120
NITRITE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrite	ND		0.136	0.5	1	05/21/08 17:48	TW	4459613

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
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TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 37D **Collected:** 05/20/2008 12:40 **SPL Sample ID:** 08051499-07

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
HEADSPACE GAS ANALYSIS					**MCL**	**RSK147 Units: mg/L**		
Ethane	ND		0.0025	0.0025	1	06/02/08 8:38	E_S1	4477532
Ethylene	ND		0.0032	0.0032	1	06/02/08 8:38	E_S1	4477532
Methane	ND		0.0012	0.0012	1	06/02/08 8:38	E_S1	4477532

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 37D **Collected:** 05/20/2008 12:40 **SPL Sample ID:** 08051499-07

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL					**MCL**	**SW6010B Units: mg/L**		
Arsenic	0.0614	J	0.0192	0.1	1	06/04/08 3:21	EG	4484281
Manganese	6.24		0.000957	0.005	1	06/04/08 3:21	EG	4484281

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/30/2008 16:10	DDW	1.00

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
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HOUSTON LABORATORY
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HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 37D **Collected:** 05/20/2008 12:40 **SPL Sample ID:** 08051499-07

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	05/31/08 21:27	LU_L	4474942
1,1,1-Trichloroethane	ND		0.25	5	1	05/31/08 21:27	LU_L	4474942
1,1,2-Trichloroethane	ND		0.38	5	1	05/31/08 21:27	LU_L	4474942
1,1-Dichloroethane	ND		0.28	5	1	05/31/08 21:27	LU_L	4474942
1,1-Dichloroethene	ND		0.5	5	1	05/31/08 21:27	LU_L	4474942
1,1-Dichloropropene	ND		0.35	5	1	05/31/08 21:27	LU_L	4474942
1,2-Dibromoethane	ND		0.31	5	1	05/31/08 21:27	LU_L	4474942
2-Butanone	ND		3.2	20	1	05/31/08 21:27	LU_L	4474942
2-Hexanone	ND		0.47	10	1	05/31/08 21:27	LU_L	4474942
4-Methyl-2-pentanone	ND		0.31	10	1	05/31/08 21:27	LU_L	4474942
Acetone	ND		4.6	100	1	05/31/08 21:27	LU_L	4474942
Benzene	ND		0.35	5	1	05/31/08 21:27	LU_L	4474942
Bromodichloromethane	ND		0.25	5	1	05/31/08 21:27	LU_L	4474942
Bromoform	ND		0.5	5	1	05/31/08 21:27	LU_L	4474942
Bromomethane	ND		0.78	10	1	05/31/08 21:27	LU_L	4474942
Carbon disulfide	ND		0.25	5	1	05/31/08 21:27	LU_L	4474942
Carbon tetrachloride	ND		0.25	5	1	05/31/08 21:27	LU_L	4474942
Chlorobenzene	ND		0.3	5	1	05/31/08 21:27	LU_L	4474942
Chloroethane	ND		0.31	10	1	05/31/08 21:27	LU_L	4474942
Chloroform	ND		0.24	5	1	05/31/08 21:27	LU_L	4474942
Chloromethane	1	J	0.3	10	1	05/31/08 21:27	LU_L	4474942
Dibromochloromethane	ND		0.36	5	1	05/31/08 21:27	LU_L	4474942
Dibromomethane	ND		0.3	5	1	05/31/08 21:27	LU_L	4474942
Ethylbenzene	ND		0.34	5	1	05/31/08 21:27	LU_L	4474942
Methylene chloride	ND		0.67	5	1	05/31/08 21:27	LU_L	4474942
Styrene	ND		0.7	5	1	05/31/08 21:27	LU_L	4474942
Tetrachloroethene	ND		0.49	5	1	05/31/08 21:27	LU_L	4474942
Toluene	ND		0.25	5	1	05/31/08 21:27	LU_L	4474942
Trichloroethene	ND		0.25	5	1	05/31/08 21:27	LU_L	4474942
Vinyl acetate	ND		0.57	10	1	05/31/08 21:27	LU_L	4474942
Vinyl chloride	ND		0.25	2	1	05/31/08 21:27	LU_L	4474942
cis-1,2-Dichloroethene	8		0.48	5	1	05/31/08 21:27	LU_L	4474942
cis-1,3-Dichloropropene	ND		0.26	5	1	05/31/08 21:27	LU_L	4474942
m,p-Xylene	ND		0.3	1	1	05/31/08 21:27	LU_L	4474942
o-Xylene	ND		0.31	1	1	05/31/08 21:27	LU_L	4474942
trans-1,2-Dichloroethene	ND		0.35	5	1	05/31/08 21:27	LU_L	4474942
trans-1,3-Dichloropropene	ND		0.31	5	1	05/31/08 21:27	LU_L	4474942
Xylenes,Total	ND		0.3	1	1	05/31/08 21:27	LU_L	4474942
Surr: 1,2-Dichloroethane-d4	90.0		0	% 62-130	1	05/31/08 21:27	LU_L	4474942

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 37D **Collected:** 05/20/2008 12:40 **SPL Sample ID:** 08051499-07

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 4-Bromofluorobenzene	100		0	%	70-130	1	05/31/08 21:27	LU_L	4474942
Surr: Toluene-d8	94.0		0	%	74-122	1	05/31/08 21:27	LU_L	4474942

Joann Marroquin
Project Manager

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 37D **Collected:** 05/20/2008 12:40 **SPL Sample ID:** 08051499-07

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
NITRATE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrate (As N)	ND		0.153	0.5	1	05/21/08 16:36	TW	4459121
NITRITE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrite	ND		0.136	0.5	1	05/21/08 17:48	TW	4459614

Joann Marroquin
Project Manager

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: IW-5R **Collected:** 05/20/2008 13:20 **SPL Sample ID:** 08051499-08

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
HEADSPACE GAS ANALYSIS					**MCL**	**RSK147 Units: mg/L**		
Ethane	ND		0.0025	0.0025	1	06/02/08 8:48	E_S1	4477533
Ethylene	ND		0.0032	0.0032	1	06/02/08 8:48	E_S1	4477533
Methane	0.14		0.0012	0.0012	1	06/02/08 8:48	E_S1	4477533

Joann Marroquin
Project Manager

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: IW-5R **Collected:** 05/20/2008 13:20 **SPL Sample ID:** 08051499-08

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B Units: mg/L**			
Arsenic	ND		0.0192	0.1	1	06/04/08 3:26	EG	4484282
Manganese	9.41		0.000957	0.005	1	06/04/08 3:26	EG	4484282

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/30/2008 16:10	DDW	1.00

Joann Marroquin
Project Manager

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: IW-5R **Collected:** 05/20/2008 13:20 **SPL Sample ID:** 08051499-08

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	05/30/08 19:43	LU_L	4473511
1,1,1-Trichloroethane	ND		0.25	5	1	05/30/08 19:43	LU_L	4473511
1,1,2-Trichloroethane	ND		0.38	5	1	05/30/08 19:43	LU_L	4473511
1,1-Dichloroethane	ND		0.28	5	1	05/30/08 19:43	LU_L	4473511
1,1-Dichloroethene	ND		0.5	5	1	05/30/08 19:43	LU_L	4473511
1,1-Dichloropropene	ND		0.35	5	1	05/30/08 19:43	LU_L	4473511
1,2-Dibromoethane	ND		0.31	5	1	05/30/08 19:43	LU_L	4473511
2-Butanone	ND		3.2	20	1	05/30/08 19:43	LU_L	4473511
2-Hexanone	ND		0.47	10	1	05/30/08 19:43	LU_L	4473511
4-Methyl-2-pentanone	ND		0.31	10	1	05/30/08 19:43	LU_L	4473511
Acetone	ND		4.6	100	1	05/30/08 19:43	LU_L	4473511
Benzene	77		0.35	5	1	05/30/08 19:43	LU_L	4473511
Bromodichloromethane	ND		0.25	5	1	05/30/08 19:43	LU_L	4473511
Bromoform	ND		0.5	5	1	05/30/08 19:43	LU_L	4473511
Bromomethane	ND		0.78	10	1	05/30/08 19:43	LU_L	4473511
Carbon disulfide	ND		0.25	5	1	05/30/08 19:43	LU_L	4473511
Carbon tetrachloride	ND		0.25	5	1	05/30/08 19:43	LU_L	4473511
Chlorobenzene	ND		0.3	5	1	05/30/08 19:43	LU_L	4473511
Chloroethane	ND		0.31	10	1	05/30/08 19:43	LU_L	4473511
Chloroform	ND		0.24	5	1	05/30/08 19:43	LU_L	4473511
Chloromethane	ND		0.3	10	1	05/30/08 19:43	LU_L	4473511
Dibromochloromethane	ND		0.36	5	1	05/30/08 19:43	LU_L	4473511
Dibromomethane	ND		0.3	5	1	05/30/08 19:43	LU_L	4473511
Ethylbenzene	6		0.34	5	1	05/30/08 19:43	LU_L	4473511
Methylene chloride	ND		0.67	5	1	05/30/08 19:43	LU_L	4473511
Styrene	ND		0.7	5	1	05/30/08 19:43	LU_L	4473511
Tetrachloroethene	ND		0.49	5	1	05/30/08 19:43	LU_L	4473511
Toluene	ND		0.25	5	1	05/30/08 19:43	LU_L	4473511
Trichloroethene	ND		0.25	5	1	05/30/08 19:43	LU_L	4473511
Vinyl acetate	ND		0.57	10	1	05/30/08 19:43	LU_L	4473511
Vinyl chloride	ND		0.25	2	1	05/30/08 19:43	LU_L	4473511
cis-1,2-Dichloroethene	130		0.48	5	1	05/30/08 19:43	LU_L	4473511
cis-1,3-Dichloropropene	ND		0.26	5	1	05/30/08 19:43	LU_L	4473511
m,p-Xylene	3		0.3	1	1	05/30/08 19:43	LU_L	4473511
o-Xylene	ND		0.31	1	1	05/30/08 19:43	LU_L	4473511
trans-1,2-Dichloroethene	ND		0.35	5	1	05/30/08 19:43	LU_L	4473511
trans-1,3-Dichloropropene	ND		0.31	5	1	05/30/08 19:43	LU_L	4473511
Xylenes,Total	3		0.3	1	1	05/30/08 19:43	LU_L	4473511
Surr: 1,2-Dichloroethane-d4	96.0		0	% 62-130	1	05/30/08 19:43	LU_L	4473511

Joann Marroquin
Project Manager

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: IW-5R **Collected:** 05/20/2008 13:20 **SPL Sample ID:** 08051499-08

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 4-Bromofluorobenzene	98.0		0	%	70-130	1	05/30/08 19:43	LU_L	4473511
Surr: Toluene-d8	92.0		0	%	74-122	1	05/30/08 19:43	LU_L	4473511

Joann Marroquin
Project Manager

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: IW-5R **Collected:** 05/20/2008 13:20 **SPL Sample ID:** 08051499-08

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
NITRATE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrate (As N)	ND		0.153	0.5	1	05/21/08 16:36	TW	4459122
NITRITE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrite	ND		0.136	0.5	1	05/21/08 17:48	TW	4459615

Joann Marroquin
Project Manager

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: IW-1R **Collected:** 05/20/2008 14:55 **SPL Sample ID:** 08051499-09

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
HEADSPACE GAS ANALYSIS					**MCL**	**RSK147 Units: mg/L**		
Ethane	ND		0.0025	0.0025	1	06/02/08 9:00	E_S1	4477534
Ethylene	ND		0.0032	0.0032	1	06/02/08 9:00	E_S1	4477534
Methane	1.7		0.012	0.012	10	06/02/08 10:26	E_S1	4477538

Joann Marroquin
Project Manager

Qualifiers:
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E - Concentrations exceeding Calibration range of Instrument
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TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: IW-1R **Collected:** 05/20/2008 14:55 **SPL Sample ID:** 08051499-09

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B Units: mg/L**			
Arsenic	ND		0.0192	0.1	1	06/04/08 3:31	EG	4484283
Manganese	6.33		0.000957	0.005	1	06/04/08 3:31	EG	4484283

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/30/2008 16:10	DDW	1.00

Joann Marroquin
Project Manager

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: IW-1R **Collected:** 05/20/2008 14:55 **SPL Sample ID:** 08051499-09

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	05/30/08 20:11	LU_L	4473512
1,1,1-Trichloroethane	ND		0.25	5	1	05/30/08 20:11	LU_L	4473512
1,1,2-Trichloroethane	ND		0.38	5	1	05/30/08 20:11	LU_L	4473512
1,1-Dichloroethane	ND		0.28	5	1	05/30/08 20:11	LU_L	4473512
1,1-Dichloroethene	ND		0.5	5	1	05/30/08 20:11	LU_L	4473512
1,1-Dichloropropene	ND		0.35	5	1	05/30/08 20:11	LU_L	4473512
1,2-Dibromoethane	ND		0.31	5	1	05/30/08 20:11	LU_L	4473512
2-Butanone	ND		3.2	20	1	05/30/08 20:11	LU_L	4473512
2-Hexanone	ND		0.47	10	1	05/30/08 20:11	LU_L	4473512
4-Methyl-2-pentanone	ND		0.31	10	1	05/30/08 20:11	LU_L	4473512
Acetone	ND		4.6	100	1	05/30/08 20:11	LU_L	4473512
Benzene	450		1.7	25	5	05/31/08 18:40	LU_L	4474936
Bromodichloromethane	ND		0.25	5	1	05/30/08 20:11	LU_L	4473512
Bromoform	ND		0.5	5	1	05/30/08 20:11	LU_L	4473512
Bromomethane	ND		0.78	10	1	05/30/08 20:11	LU_L	4473512
Carbon disulfide	ND		0.25	5	1	05/30/08 20:11	LU_L	4473512
Carbon tetrachloride	ND		0.25	5	1	05/30/08 20:11	LU_L	4473512
Chlorobenzene	ND		0.3	5	1	05/30/08 20:11	LU_L	4473512
Chloroethane	ND		0.31	10	1	05/30/08 20:11	LU_L	4473512
Chloroform	ND		0.24	5	1	05/30/08 20:11	LU_L	4473512
Chloromethane	ND		0.3	10	1	05/30/08 20:11	LU_L	4473512
Dibromochloromethane	ND		0.36	5	1	05/30/08 20:11	LU_L	4473512
Dibromomethane	ND		0.3	5	1	05/30/08 20:11	LU_L	4473512
Ethylbenzene	140		0.34	5	1	05/30/08 20:11	LU_L	4473512
Methylene chloride	ND		0.67	5	1	05/30/08 20:11	LU_L	4473512
Styrene	ND		0.7	5	1	05/30/08 20:11	LU_L	4473512
Tetrachloroethene	ND		0.49	5	1	05/30/08 20:11	LU_L	4473512
Toluene	5		0.25	5	1	05/30/08 20:11	LU_L	4473512
Trichloroethene	ND		0.25	5	1	05/30/08 20:11	LU_L	4473512
Vinyl acetate	ND		0.57	10	1	05/30/08 20:11	LU_L	4473512
Vinyl chloride	1	J	0.25	2	1	05/30/08 20:11	LU_L	4473512
cis-1,2-Dichloroethene	350		2.4	25	5	05/31/08 18:40	LU_L	4474936
cis-1,3-Dichloropropene	ND		0.26	5	1	05/30/08 20:11	LU_L	4473512
m,p-Xylene	120		0.3	1	1	05/30/08 20:11	LU_L	4473512
o-Xylene	11		0.31	1	1	05/30/08 20:11	LU_L	4473512
trans-1,2-Dichloroethene	ND		0.35	5	1	05/30/08 20:11	LU_L	4473512
trans-1,3-Dichloropropene	ND		0.31	5	1	05/30/08 20:11	LU_L	4473512
Xylenes,Total	131		0.299	1	1	05/30/08 20:11	LU_L	4473512
Surr: 1,2-Dichloroethane-d4	96.0		0 %	62-130	1	05/30/08 20:11	LU_L	4473512

Joann Marroquin
Project Manager

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: IW-1R **Collected:** 05/20/2008 14:55 **SPL Sample ID:** 08051499-09

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 1,2-Dichloroethane-d4	92.0		0	%	62-130	5	05/31/08 18:40	LU_L	4474936
Surr: 4-Bromofluorobenzene	104		0	%	70-130	1	05/30/08 20:11	LU_L	4473512
Surr: 4-Bromofluorobenzene	100		0	%	70-130	5	05/31/08 18:40	LU_L	4474936
Surr: Toluene-d8	94.0		0	%	74-122	1	05/30/08 20:11	LU_L	4473512
Surr: Toluene-d8	92.0		0	%	74-122	5	05/31/08 18:40	LU_L	4474936

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: IW-1R **Collected:** 05/20/2008 14:55 **SPL Sample ID:** 08051499-09

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
NITRATE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrate (As N)	ND		0.153	0.5	1	05/21/08 16:36	TW	4459123
NITRITE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrite	ND		0.136	0.5	1	05/21/08 17:48	TW	4459618

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
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E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 50S **Collected:** 05/20/2008 16:05 **SPL Sample ID:** 08051499-10

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B Units: mg/L**			
Arsenic	0.294		0.0192	0.1	1	06/04/08 3:35	EG	4484284
Manganese	5.22		0.000957	0.005	1	06/04/08 3:35	EG	4484284

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/30/2008 16:10	DDW	1.00

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
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>MCL - Result Over Maximum Contamination Limit(MCL)
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TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 50S **Collected:** 05/20/2008 16:05 **SPL Sample ID:** 08051499-10

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	05/30/08 20:38	LU_L	4473513
1,1,1-Trichloroethane	ND		0.25	5	1	05/30/08 20:38	LU_L	4473513
1,1,2-Trichloroethane	ND		0.38	5	1	05/30/08 20:38	LU_L	4473513
1,1-Dichloroethane	ND		0.28	5	1	05/30/08 20:38	LU_L	4473513
1,1-Dichloroethene	ND		0.5	5	1	05/30/08 20:38	LU_L	4473513
1,1-Dichloropropene	ND		0.35	5	1	05/30/08 20:38	LU_L	4473513
1,2-Dibromoethane	ND		0.31	5	1	05/30/08 20:38	LU_L	4473513
2-Butanone	ND		3.2	20	1	05/30/08 20:38	LU_L	4473513
2-Hexanone	ND		0.47	10	1	05/30/08 20:38	LU_L	4473513
4-Methyl-2-pentanone	ND		0.31	10	1	05/30/08 20:38	LU_L	4473513
Acetone	ND		4.6	100	1	05/30/08 20:38	LU_L	4473513
Benzene	ND		0.35	5	1	05/30/08 20:38	LU_L	4473513
Bromodichloromethane	ND		0.25	5	1	05/30/08 20:38	LU_L	4473513
Bromoform	ND		0.5	5	1	05/30/08 20:38	LU_L	4473513
Bromomethane	ND		0.78	10	1	05/30/08 20:38	LU_L	4473513
Carbon disulfide	ND		0.25	5	1	05/30/08 20:38	LU_L	4473513
Carbon tetrachloride	ND		0.25	5	1	05/30/08 20:38	LU_L	4473513
Chlorobenzene	ND		0.3	5	1	05/30/08 20:38	LU_L	4473513
Chloroethane	ND		0.31	10	1	05/30/08 20:38	LU_L	4473513
Chloroform	ND		0.24	5	1	05/30/08 20:38	LU_L	4473513
Chloromethane	2	J	0.3	10	1	05/30/08 20:38	LU_L	4473513
Dibromochloromethane	ND		0.36	5	1	05/30/08 20:38	LU_L	4473513
Dibromomethane	ND		0.3	5	1	05/30/08 20:38	LU_L	4473513
Ethylbenzene	3	J	0.34	5	1	05/30/08 20:38	LU_L	4473513
Methylene chloride	ND		0.67	5	1	05/30/08 20:38	LU_L	4473513
Styrene	ND		0.7	5	1	05/30/08 20:38	LU_L	4473513
Tetrachloroethene	ND		0.49	5	1	05/30/08 20:38	LU_L	4473513
Toluene	ND		0.25	5	1	05/30/08 20:38	LU_L	4473513
Trichloroethene	ND		0.25	5	1	05/30/08 20:38	LU_L	4473513
Vinyl acetate	ND		0.57	10	1	05/30/08 20:38	LU_L	4473513
Vinyl chloride	ND		0.25	2	1	05/30/08 20:38	LU_L	4473513
cis-1,2-Dichloroethene	ND		0.48	5	1	05/30/08 20:38	LU_L	4473513
cis-1,3-Dichloropropene	ND		0.26	5	1	05/30/08 20:38	LU_L	4473513
m,p-Xylene	ND		0.3	1	1	05/30/08 20:38	LU_L	4473513
o-Xylene	ND		0.31	1	1	05/30/08 20:38	LU_L	4473513
trans-1,2-Dichloroethene	ND		0.35	5	1	05/30/08 20:38	LU_L	4473513
trans-1,3-Dichloropropene	ND		0.31	5	1	05/30/08 20:38	LU_L	4473513
Xylenes,Total	ND		0.3	1	1	05/30/08 20:38	LU_L	4473513
Surr: 1,2-Dichloroethane-d4	94.0		0	% 62-130	1	05/30/08 20:38	LU_L	4473513

Joann Marroquin
Project Manager

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>MCL - Result Over Maximum Contamination Limit(MCL)
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TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 50S **Collected:** 05/20/2008 16:05 **SPL Sample ID:** 08051499-10

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 4-Bromofluorobenzene	98.0		0	%	70-130	1	05/30/08 20:38	LU_L	4473513
Surr: Toluene-d8	92.0		0	%	74-122	1	05/30/08 20:38	LU_L	4473513

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 50S **Collected:** 05/20/2008 16:05 **SPL Sample ID:** 08051499-10

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
NITRATE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrate (As N)	2.04		0.153	0.5	1	05/21/08 16:36	TW	4459126
NITRITE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrite	ND		0.136	0.5	1	05/21/08 17:48	TW	4459619

Joann Marroquin
Project Manager

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B/V - Analyte detected in the associated Method Blank above Rep.Limit
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Quality Control Documentation

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Headspace Gas Analysis** **WorkOrder:** **08051499**
Method: **RSK147** **Lab Batch ID:** **R239839**

Method Blank

RunID: VARC_080602A-4477543 Units: mg/L
Analysis Date: 06/02/2008 11:49 Analyst: E_S1

Analyte	Result	Qual	Rep Limit	MDL
Ethane	ND		0.0025	0.0025
Ethylene	ND		0.0032	0.0032
Methane	ND		0.0012	0.0012

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08051499-02D	169R
08051499-03D	269R
08051499-04D	IW6R
08051499-05D	IW2R
08051499-06D	69R
08051499-07D	37D
08051499-08D	IW-5R
08051499-09D	IW-1R

Sample Duplicate

Original Sample: 08051499-03
RunID: VARC_080602A-4477527 Units: mg/L
Analysis Date: 06/02/2008 7:42 Analyst: E_S1

Analyte	Sample Result	DUP Result	Qual	RPD	RPD Limit
Ethane	ND	ND		0	50
Ethylene	ND	ND		0	50

Sample Duplicate

Original Sample: 08051499-03
RunID: VARC_080602A-4477540 Units: mg/L
Analysis Date: 06/02/2008 10:50 Analyst: E_S1

Analyte	Sample Result	DUP Result	Qual	RPD	RPD Limit
Methane	2.8	2.75		1.7	50

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Metals by Method 6010B, Total** **WorkOrder:** **08051499**
Method: **SW6010B** **Lab Batch ID:** **79738**

Method Blank

RunID: TJA_080603A-4484261 Units: mg/L
Analysis Date: 06/04/2008 2:04 Analyst: EG
Preparation Date: 05/30/2008 16:10 Prep By: DD Method SW3010A

Analyte	Result	Qual	Rep Limit	MDL
Arsenic	ND		0.1	0.0192
Manganese	ND		0.005	0.000957

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08051499-02B	169R
08051499-03B	269R
08051499-04B	IW6R
08051499-05B	IW2R
08051499-06B	69R
08051499-07B	37D
08051499-08B	IW-5R
08051499-09B	IW-1R
08051499-10B	50S

Laboratory Control Sample (LCS)

RunID: TJA_080603A-4484262 Units: mg/L
Analysis Date: 06/04/2008 2:09 Analyst: EG
Preparation Date: 05/30/2008 16:10 Prep By: Method SW3010A

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
Arsenic	1.000	0.9927	99.27		80	120
Manganese	1.000	1.054	105.4		80	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08051424-01
RunID: TJA_080603A-4484265 Units: mg/L
Analysis Date: 06/04/2008 2:18 Analyst: EG
Preparation Date: 05/30/2008 16:10 Prep By: DD Method SW3010A

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
Arsenic	ND		1	0.9240	92.40		1	0.9799	97.99		5.867		20	75	125
Manganese	0.2807		1	1.291	101.1		1	1.401	112.1		8.169		20	75	125

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
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J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08051499**
Method: **SW8260B** **Lab Batch ID:** **R239631**

Method Blank

RunID: K_080530D-4473503 Units: ug/L
Analysis Date: 05/30/2008 11:44 Analyst: LU_L
Preparation Date: 05/30/2008 11:44 Prep By: Method

Analyte	Result	Qual	Rep Limit	MDL
1,1,1,2-Tetrachloroethane	ND		5.0	0.42
1,1,1-Trichloroethane	ND		5.0	0.25
1,1,2-Trichloroethane	ND		5.0	0.38
1,1-Dichloroethane	ND		5.0	0.28
1,1-Dichloroethene	ND		5.0	0.5
1,1-Dichloropropene	ND		5.0	0.35
1,2-Dibromoethane	ND		5.0	0.31
2-Butanone	ND		20	3.2
2-Hexanone	ND		10	0.47
4-Methyl-2-pentanone	ND		10	0.31
Acetone	ND		100	4.6
Benzene	ND		5.0	0.35
Bromodichloromethane	ND		5.0	0.25
Bromoform	ND		5.0	0.5
Bromomethane	ND		10	0.78
Carbon disulfide	ND		5.0	0.25
Carbon tetrachloride	ND		5.0	0.25
Chlorobenzene	ND		5.0	0.3
Chloroethane	ND		10	0.31
Chloroform	ND		5.0	0.24
Chloromethane	ND		10	0.3
Dibromochloromethane	ND		5.0	0.36
Dibromomethane	ND		5.0	0.3
Ethylbenzene	ND		5.0	0.34
Methylene chloride	ND		5.0	0.67
Styrene	ND		5.0	0.7
Tetrachloroethene	ND		5.0	0.49
Toluene	ND		5.0	0.25
Trichloroethene	ND		5.0	0.25
Vinyl acetate	ND		10	0.57
Vinyl chloride	ND		2.0	0.25
cis-1,2-Dichloroethene	ND		5.0	0.48
cis-1,3-Dichloropropene	ND		5.0	0.26
m,p-Xylene	ND		1.0	0.3
o-Xylene	ND		1.0	0.31
trans-1,2-Dichloroethene	ND		5.0	0.35
trans-1,3-Dichloropropene	ND		5.0	0.31
Xylenes,Total	ND		1.0	0.3
Surr: 1,2-Dichloroethane-d4	90.0		62-130	0
Surr: 4-Bromofluorobenzene	98.0		70-130	0
Surr: Toluene-d8	94.0		74-122	0

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08051499-01A	Trip Blank
08051499-02A	169R
08051499-03A	269R
08051499-05A	IW2R
08051499-06A	69R
08051499-08A	IW-5R
08051499-09A	IW-1R
08051499-10A	50S

Laboratory Control Sample (LCS)

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08051499**
Method: **SW8260B** **Lab Batch ID:** **R239631**

RunID: K_080530D-4473502 Units: ug/L
Analysis Date: 05/30/2008 11:04 Analyst: LU_L
Preparation Date: 05/30/2008 11:04 Prep By: Method

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
1,1,1,2-Tetrachloroethane	20.0	18.0	90.0		71	136
1,1,1-Trichloroethane	20.0	21.0	105		66	132
1,1,2-Trichloroethane	20.0	19.0	95.0		70	130
1,1-Dichloroethane	20.0	22.0	110		67	131
1,1-Dichloroethene	20.0	21.0	105		71	146
1,1-Dichloropropene	20.0	22.0	110		59	138
1,2-Dibromoethane	20.0	18.0	90.0		63	126
2-Butanone	120	150	125		20	235
2-Hexanone	20.0	29.0	145		34	182
4-Methyl-2-pentanone	20.0	18.0	90.0		11	145
Acetone	200	390	195		13	386
Benzene	20.0	20.0	100		76	126
Bromodichloromethane	20.0	22.0	110		77	138
Bromoform	20.0	17.0	85.0		55	129
Bromomethane	20.0	18.0	90.0		58	148
Carbon disulfide	20.0	19.0	95.0		46	146
Carbon tetrachloride	20.0	20.0	100		66	137
Chlorobenzene	20.0	18.0	90.0		67	136
Chloroethane	20.0	20.0	100		50	137
Chloroform	20.0	21.0	105		70	135
Chloromethane	20.0	18.0	90.0		51	140
Dibromochloromethane	20.0	17.0	85.0		69	127
Dibromomethane	20.0	22.0	110		74	130
Ethylbenzene	20.0	19.0	95.0		67	122
Methylene chloride	20.0	21.0	105		52	143
Styrene	20.0	17.0	85.0		60	139
Tetrachloroethene	20.0	19.0	95.0		26	200
Toluene	20.0	18.0	90.0		70	131
Trichloroethene	20.0	21.0	105		64	137
Vinyl acetate	20.0	21.0	105		10	193
Vinyl chloride	20.0	21.0	105		31	147
cis-1,2-Dichloroethene	20.0	21.0	105		70	142
cis-1,3-Dichloropropene	20.0	20.0	100		61	134
m,p-Xylene	40.0	38.0	95.0		72	150
o-Xylene	20.0	19.0	95.0		78	141

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

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HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis:	**Volatile Organics by Method 8260B**	**WorkOrder:**	**08051499**
Method:	**SW8260B**	**Lab Batch ID:**	**R239631**

Laboratory Control Sample (LCS)

RunID:	K_080530D-4473502	Units:	ug/L
Analysis Date:	05/30/2008 11:04	Analyst:	LU_L
Preparation Date:	05/30/2008 11:04	Prep By:	Method

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
trans-1,2-Dichloroethene	20.0	20.0	100		67	141
trans-1,3-Dichloropropene	20.0	20.0	100		56	136
Xylenes,Total	60	57	95		72	150
Surr: 1,2-Dichloroethane-d4	50.0	48	96.0		62	130
Surr: 4-Bromofluorobenzene	50.0	51	102		70	130
Surr: Toluene-d8	50.0	48	96.0		74	122

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked:	08051372-08		
RunID:	K_080530D-4473505	Units:	ug/L
Analysis Date:	05/30/2008 15:29	Analyst:	LU_L

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
1,1,1,2-Tetrachloroethane	ND		20	17.0	85.0		20	18.0	90.0		5.71		20	35	175
1,1,1-Trichloroethane	ND		20	20.0	100		20	20.0	100		0		20	35	175
1,1,2-Trichloroethane	ND		20	18.0	90.0		20	18.0	90.0		0		20	35	175
1,1-Dichloroethane	ND		20	20.0	100		20	20.0	100		0		20	35	175
1,1-Dichloroethene	ND		20	19.0	95.0		20	20.0	100		5.13		22	61	145
1,1-Dichloropropene	ND		20	21.0	105		20	20.0	100		4.88		20	35	175
1,2-Dibromoethane	ND		20	17.0	85.0		20	18.0	90.0		5.71		20	35	175
2-Butanone	ND		20	18.0	90.0		20	19.0	95.0		5.41		20	10	230
2-Hexanone	ND		20	18.0	90.0		20	18.0	90.0		0		20	10	250
4-Methyl-2-pentanone	ND		20	19.0	95.0		20	19.0	95.0		0		20	10	175
Acetone	ND		100	120	120		100	120	120		0		20	10	400
Benzene	ND		20	20.0	100		20	20.0	100		0		22	76	127
Bromodichloromethane	ND		20	20.0	100		20	21.0	105		4.88		20	35	175
Bromoform	ND		20	12.0	60.0		20	14.0	70.0		15.4		20	35	175
Bromomethane	ND		20	19.0	95.0		20	20.0	100		5.13		20	35	175
Carbon disulfide	ND		20	18.0	90.0		20	18.0	90.0		0		20	30	225
Carbon tetrachloride	ND		20	20.0	100		20	20.0	100		0		20	35	175

Qualifiers:
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MI - Matrix Interference
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08051499**
Method: **SW8260B** **Lab Batch ID:** **R239631**

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08051372-08
RunID: K_080530D-4473505 Units: ug/L
Analysis Date: 05/30/2008 15:29 Analyst: LU_L

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
Chlorobenzene	ND		20	18.0	90.0		20	18.0	90.0		0		21	70	130
Chloroethane	ND		20	19.0	95.0		20	20.0	100		5.13		20	35	175
Chloroform	ND		20	21.0	105		20	21.0	105		0		20	35	175
Chloromethane	ND		20	19.0	95.0		20	20.0	100		5.13		20	35	175
Dibromochloromethane	ND		20	15.0	75.0		20	16.0	80.0		6.45		20	35	175
Dibromomethane	ND		20	22.0	110		20	22.0	110		0		20	35	175
Ethylbenzene	ND		20	18.0	90.0		20	18.0	90.0		0		20	35	175
Methylene chloride	2.00	J	20	19.0	85.0		20	19.0	85.0		0		20	35	175
Styrene	ND		20	17.0	85.0		20	17.0	85.0		0		20	35	175
Tetrachloroethene	ND		20	18.0	90.0		20	18.0	90.0		0		20	30	250
Toluene	ND		20	18.0	90.0		20	18.0	90.0		0		24	70	131
Trichloroethene	ND		20	20.0	100		20	20.0	100		0		21	60	140
Vinyl acetate	ND		20	18.0	90.0		20	20.0	100		10.5		20	10	250
Vinyl chloride	ND		20	20.0	100		20	20.0	100		0		20	35	175
cis-1,2-Dichloroethene	ND		20	19.0	95.0		20	19.0	95.0		0		20	35	175
cis-1,3-Dichloropropene	ND		20	19.0	95.0		20	20.0	100		5.13		20	35	175
m,p-Xylene	ND		40	36.0	90.0		40	36.0	90.0		0		20	35	175
o-Xylene	ND		20	18.0	90.0		20	18.0	90.0		0		20	35	175
trans-1,2-Dichloroethene	ND		20	19.0	95.0		20	19.0	95.0		0		20	35	175
trans-1,3-Dichloropropene	ND		20	19.0	95.0		20	20.0	100		5.13		20	35	175
Xylenes,Total	ND		60	54	90		60	54	90		0		20	35	175
Surr: 1,2-Dichloroethane-d4	ND		50	47	94.0		50	50.0	100		6.19		30	62	130
Surr: 4-Bromofluorobenzene	ND		50	52	104		50	53.0	106		1.90		30	70	130
Surr: Toluene-d8	ND		50	46	92.0		50	47.0	94.0		2.15		30	74	122

Qualifiers:
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E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08051499**
Method: **SW8260B** **Lab Batch ID:** **R239692**

Method Blank

RunID: K_080531D-4474935 Units: ug/L
Analysis Date: 05/31/2008 13:57 Analyst: LU_L
Preparation Date: 05/31/2008 13:57 Prep By: Method

Analyte	Result	Qual	Rep Limit	MDL
1,1,1,2-Tetrachloroethane	ND		5.0	0.42
1,1,1-Trichloroethane	ND		5.0	0.25
1,1,2-Trichloroethane	ND		5.0	0.38
1,1-Dichloroethane	ND		5.0	0.28
1,1-Dichloroethene	ND		5.0	0.5
1,1-Dichloropropene	ND		5.0	0.35
1,2-Dibromoethane	ND		5.0	0.31
2-Butanone	ND		20	3.2
2-Hexanone	ND		10	0.47
4-Methyl-2-pentanone	ND		10	0.31
Acetone	ND		100	4.6
Benzene	ND		5.0	0.35
Bromodichloromethane	ND		5.0	0.25
Bromoform	ND		5.0	0.5
Bromomethane	ND		10	0.78
Carbon disulfide	ND		5.0	0.25
Carbon tetrachloride	ND		5.0	0.25
Chlorobenzene	ND		5.0	0.3
Chloroethane	ND		10	0.31
Chloroform	ND		5.0	0.24
Chloromethane	ND		10	0.3
Dibromochloromethane	ND		5.0	0.36
Dibromomethane	ND		5.0	0.3
Ethylbenzene	ND		5.0	0.34
Methylene chloride	ND		5.0	0.67
Styrene	ND		5.0	0.7
Tetrachloroethene	ND		5.0	0.49
Toluene	ND		5.0	0.25
Trichloroethene	ND		5.0	0.25
Vinyl acetate	ND		10	0.57
Vinyl chloride	ND		2.0	0.25
cis-1,2-Dichloroethene	ND		5.0	0.48
cis-1,3-Dichloropropene	ND		5.0	0.26
m,p-Xylene	ND		1.0	0.3
o-Xylene	ND		1.0	0.31
trans-1,2-Dichloroethene	ND		5.0	0.35
trans-1,3-Dichloropropene	ND		5.0	0.31
Xylenes,Total	ND		1.0	0.3
Surr: 1,2-Dichloroethane-d4	96.0		62-130	0
Surr: 4-Bromofluorobenzene	102.0		70-130	0
Surr: Toluene-d8	94.0		74-122	0

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08051499-02A	169R
08051499-03A	269R
08051499-04A	IW6R
08051499-06A	69R
08051499-07A	37D
08051499-09A	IW-1R

Laboratory Control Sample (LCS)

Qualifiers:
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J - Estimated value between MDL and PQL
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N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08051499**
Method: **SW8260B** **Lab Batch ID:** **R239692**

RunID: K_080531D-4474934 Units: ug/L
Analysis Date: 05/31/2008 12:49 Analyst: LU_L
Preparation Date: 05/31/2008 12:49 Prep By: Method

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
1,1,1,2-Tetrachloroethane	20.0	16.0	80.0		71	136
1,1,1-Trichloroethane	20.0	19.0	95.0		66	132
1,1,2-Trichloroethane	20.0	16.0	80.0		70	130
1,1-Dichloroethane	20.0	19.0	95.0		67	131
1,1-Dichloroethene	20.0	19.0	95.0		71	146
1,1-Dichloropropene	20.0	19.0	95.0		59	138
1,2-Dibromoethane	20.0	16.0	80.0		63	126
2-Butanone	120	160	133		20	235
2-Hexanone	20.0	28.0	140		34	182
4-Methyl-2-pentanone	20.0	18.0	90.0		11	145
Acetone	200	390	195		13	386
Benzene	20.0	18.0	90.0		76	126
Bromodichloromethane	20.0	20.0	100		77	138
Bromoform	20.0	18.0	90.0		55	129
Bromomethane	20.0	17.0	85.0		58	148
Carbon disulfide	20.0	17.0	85.0		46	146
Carbon tetrachloride	20.0	19.0	95.0		66	137
Chlorobenzene	20.0	16.0	80.0		67	136
Chloroethane	20.0	18.0	90.0		50	137
Chloroform	20.0	19.0	95.0		70	135
Chloromethane	20.0	18.0	90.0		51	140
Dibromochloromethane	20.0	16.0	80.0		69	127
Dibromomethane	20.0	20.0	100		74	130
Ethylbenzene	20.0	16.0	80.0		67	122
Methylene chloride	20.0	18.0	90.0		52	143
Styrene	20.0	15.0	75.0		60	139
Tetrachloroethene	20.0	17.0	85.0		26	200
Toluene	20.0	16.0	80.0		70	131
Trichloroethene	20.0	18.0	90.0		64	137
Vinyl acetate	20.0	19.0	95.0		10	193
Vinyl chloride	20.0	19.0	95.0		31	147
cis-1,2-Dichloroethene	20.0	18.0	90.0		70	142
cis-1,3-Dichloropropene	20.0	18.0	90.0		61	134
m,p-Xylene	40.0	34.0	85.0		72	150
o-Xylene	20.0	17.0	85.0		78	141

Qualifiers:
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis:	**Volatile Organics by Method 8260B**	**WorkOrder:**	**08051499**
Method:	**SW8260B**	**Lab Batch ID:**	**R239692**

Laboratory Control Sample (LCS)

RunID:	K_080531D-4474934	Units:	ug/L
Analysis Date:	05/31/2008 12:49	Analyst:	LU_L
Preparation Date:	05/31/2008 12:49	Prep By:	Method

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
trans-1,2-Dichloroethene	20.0	18.0	90.0		67	141
trans-1,3-Dichloropropene	20.0	18.0	90.0		56	136
Xylenes,Total	60	51	85		72	150
Surr: 1,2-Dichloroethane-d4	50.0	49	98.0		62	130
Surr: 4-Bromofluorobenzene	50.0	52	104		70	130
Surr: Toluene-d8	50.0	47	94.0		74	122

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked:	08051499-09		
RunID:	K_080531D-4474937	Units:	ug/L
Analysis Date:	05/31/2008 19:08	Analyst:	LU_L

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
1,1,1,2-Tetrachloroethane	ND		100	89.0	89.0		100	90.0	90.0		1.12		20	35	175
1,1,1-Trichloroethane	ND		100	96.0	96.0		100	97.0	97.0		1.04		20	35	175
1,1,2-Trichloroethane	ND		100	92.0	92.0		100	94.0	94.0		2.15		20	35	175
1,1-Dichloroethane	ND		100	98.0	98.0		100	99.0	99.0		1.02		20	35	175
1,1-Dichloroethene	ND		100	97.0	97.0		100	97.0	97.0		0		22	61	145
1,1-Dichloropropene	ND		100	100	100		100	100	100		0		20	35	175
1,2-Dibromoethane	ND		100	89.0	89.0		100	89.0	89.0		0		20	35	175
2-Butanone	ND		100	78.0	78.0		100	98.0	98.0		22.7	*	20	10	230
2-Hexanone	ND		100	85.0	85.0		100	89.0	89.0		4.60		20	10	250
4-Methyl-2-pentanone	ND		100	92.0	92.0		100	92.0	92.0		0		20	10	175
Acetone	ND		500	480	96.0		500	490	98.0		2.06		20	10	400
Benzene	450		100	560	N/C		100	570	N/C		N/C		22	76	127
Bromodichloromethane	ND		100	100	100		100	100	100		0		20	35	175
Bromoform	ND		100	85.0	85.0		100	87.0	87.0		2.33		20	35	175
Bromomethane	ND		100	88.0	88.0		100	90.0	90.0		2.25		20	35	175
Carbon disulfide	ND		100	88.0	88.0		100	91.0	91.0		3.35		20	30	225
Carbon tetrachloride	ND		100	97.0	97.0		100	98.0	98.0		1.03		20	35	175

Qualifiers:
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08051499**
Method: **SW8260B** **Lab Batch ID:** **R239692**

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08051499-09
RunID: K_080531D-4474937 Units: ug/L
Analysis Date: 05/31/2008 19:08 Analyst: LU_L

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
Chlorobenzene	ND		100	92.0	92.0		100	93.0	93.0		1.08		21	70	130
Chloroethane	ND		100	98.0	98.0		100	92.0	92.0		6.32		20	35	175
Chloroform	ND		100	98.0	98.0		100	100	100		2.02		20	35	175
Chloromethane	ND		100	85.0	85.0		100	83.0	83.0		2.38		20	35	175
Dibromochloromethane	ND		100	84.0	84.0		100	88.0	88.0		4.65		20	35	175
Dibromomethane	ND		100	110	110		100	110	110		0		20	35	175
Ethylbenzene	140		100	240	100		100	250	110		4.08		20	35	175
Methylene chloride	ND		100	93.0	93.0		100	94.0	94.0		1.07		20	35	175
Styrene	ND		100	94.0	94.0		100	95.0	95.0		1.06		20	35	175
Tetrachloroethene	ND		100	93.0	93.0		100	94.0	94.0		1.07		20	30	250
Toluene	ND		100	98.0	98.0		100	97.0	97.0		1.03		24	70	131
Trichloroethene	ND		100	100	100		100	100	100		0		21	60	140
Vinyl acetate	ND		100	94.0	94.0		100	94.0	94.0		0		20	10	250
Vinyl chloride	ND		100	90.0	90.0		100	92.0	92.0		2.20		20	35	175
cis-1,2-Dichloroethene	350		100	470	120		100	480	130		2.11		20	35	175
cis-1,3-Dichloropropene	ND		100	98.0	98.0		100	100	100		2.02		20	35	175
m,p-Xylene	120		200	300	90.0		200	320	100		6.45		20	35	175
o-Xylene	11.0		100	110	99.0		100	110	99.0		0		20	35	175
trans-1,2-Dichloroethene	ND		100	95.0	95.0		100	98.0	98.0		3.11		20	35	175
trans-1,3-Dichloropropene	ND		100	96.0	96.0		100	100	100		4.08		20	35	175
Xylenes,Total	130		300	410	93		300	430	100		4.8		20	35	175
Surr: 1,2-Dichloroethane-d4	ND		250	240	96.0		250	240	96.0		0		30	62	130
Surr: 4-Bromofluorobenzene	ND		250	260	104		250	260	104		0		30	70	130
Surr: Toluene-d8	ND		250	240	96.0		250	240	96.0		0		30	74	122

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B/V - Analyte detected in the associated Method Blank
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* - Recovery Outside Advisable QC Limits
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Nitrate Nitrogen (as N), Total** **WorkOrder:** **08051499**
Method: **E353.2** **Lab Batch ID:** **R238835**

Method Blank

RunID: WET_080521ZJ-4459110 Units: mg/L
Analysis Date: 05/21/2008 16:36 Analyst: TW

Analyte	Result	Qual	Rep Limit	MDL
Nitrogen,Nitrate (As N)	ND		0.50	0.153

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08051499-02C	169R
08051499-03C	269R
08051499-04C	IW6R
08051499-05C	IW2R
08051499-06C	69R
08051499-07C	37D
08051499-08C	IW-5R
08051499-09C	IW-1R
08051499-10C	50S

Laboratory Control Sample (LCS)

RunID: WET_080521ZJ-4459111 Units: mg/L
Analysis Date: 05/21/2008 16:36 Analyst: TW

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
Nitrogen,Nitrate (As N)	5.000	5.209	104.2		90	110

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08051499-02
RunID: WET_080521ZJ-4459115 Units: mg/L
Analysis Date: 05/21/2008 16:36 Analyst: TW

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
Nitrogen,Nitrate (As N)	0.4569	J	5	4.477	80.40	*	5	4.634	83.55	*	3.455		20	90	110

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Nitrite Nitrogen (as N), Total** **WorkOrder:** **08051499**
Method: **E353.2** **Lab Batch ID:** **R238867**

Method Blank

RunID: WET_080521ZK-4459603 Units: mg/L
Analysis Date: 05/21/2008 17:48 Analyst: TW

Analyte	Result	Qual	Rep Limit	MDL
Nitrogen,Nitrite	ND		0.50	0.136

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08051499-02C	169R
08051499-03C	269R
08051499-04C	IW6R
08051499-05C	IW2R
08051499-06C	69R
08051499-07C	37D
08051499-08C	IW-5R
08051499-09C	IW-1R
08051499-10C	50S

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08051499-02
RunID: WET_080521ZK-4459608 Units: mg/L
Analysis Date: 05/21/2008 17:48 Analyst: TW

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
Nitrogen,Nitrite	ND		5	4.257	85.15	*	5	4.826	96.52		12.53		20	90	110

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
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J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
MI - Matrix Interference
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TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

Sample Receipt Checklist

And

Chain of Custody

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Sample Receipt Checklist

Workorder:	**08051499**	Received By:	**RE**
Date and Time Received:	**5/21/2008 10:00:00 AM**	Carrier name:	**Fedex-Priority**
Temperature:	**3.0°C**	Chilled by:	**Water Ice**

1.	**Shipping container/cooler in good condition?**	Yes ☑	No ☐	Not Present ☐
2.	**Custody seals intact on shippping container/cooler?**	Yes ☑	No ☐	Not Present ☐
3.	**Custody seals intact on sample bottles?**	Yes ☐	No ☐	Not Present ☑
4.	**Chain of custody present?**	Yes ☑	No ☐	
5.	**Chain of custody signed when relinquished and received?**	Yes ☑	No ☐	
6.	**Chain of custody agrees with sample labels?**	Yes ☑	No ☐	
7.	**Samples in proper container/bottle?**	Yes ☑	No ☐	
8.	**Sample containers intact?**	Yes ☑	No ☐	
9.	**Sufficient sample volume for indicated test?**	Yes ☑	No ☐	
10.	**All samples received within holding time?**	Yes ☑	No ☐	
11.	**Container/Temp Blank temperature in compliance?**	Yes ☑	No ☐	
12.	**Water - VOA vials have zero headspace?**	Yes ☑	No ☐	VOA Vials Not Present ☐
13.	**Water - Preservation checked upon receipt (except VOA*)?**	Yes ☑	No ☐	Not Applicable ☐

***VOA Preservation Checked After Sample Analysis**

SPL Representative: _____ **Contact Date & Time:** _____

Client Name Contacted: _____

Non Conformance Issues: _____

Client Instructions: _____

SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No. 08051499

295215

page ____ of ____

Client Name: ARCADIS
Address: 175 Cabot St #400 Lowell MA 01854
Phone/Fax: 978/9379999 / 9789377555
Client Contact: Debra Stake Email:
Project Name/No.: Ford / MA000725
Site Name: Tibbetts
Site Location: Tibbetts Road
Invoice To: Ph:

matrix: W=water S=soil SL=sludge O=oil X=other
bottle: P=plastic A=amber glass G=glass V=vial X=other
size: 1=1 liter 4=4oz 8=8oz 16=16oz 40=vial X=other
pres.: 1=HCl 2=HNO3 3=H2SO4 X=other

Requested Analysis

SAMPLE ID	DATE	TIME	comp	grab	matrix	bottle	size	pres.	Number of Containers	VOC 8260B	As, Mn, Fe 6010B	NO3/NO2 E300	Ethane, Ethene, Methane RSK-147					
Trip Blank	—	—	—	—	W	V	40	1	2	✓								
1G9R	5/20/08	1000		✓	W	V/P	40/1/16	1/2/X	8	✓	✓	✓	✓					
2G9R	5/20/08	1045		✓	W	V/P	40/1/16	1/2/X	8	✓	✓	✓	✓					
1W6R	5/20/08	1020		✓	W	V/P	40/1/16	1/2/X	8	✓	✓	✓	✓					
1W2R	5/20/08	1200		✓	W	V/P	40/1/16	1/2/X	8	✓	✓	✓	✓					
6G9R	5/20/08	1110		✓	W	V/P	40/1/16	1/2/X	8	✓	✓	✓	✓					
37D	5/20/08	1240		✓	W	V/P	40/1/16	1/2/X	8	✓	✓	✓	✓					
1W5R	5/20/08	1320		✓	W	V/P	40/1/16	1/2/X	8	✓	✓	✓	✓					
1W1R	5/20/08	1455		✓	W	V/P	40/1/16	1/2/X	8	✓	✓	✓	✓					
50S	5/20/08	1605		✓	W	V/P	40/1/16	1/2/X	5	✓	✓	✓						

Client/Consultant Remarks: ENOVIS project # E10127A

Laboratory remarks:

Intact? ☐ Y ☐ N
Ice? ☐ Y ☐ N
Temp: 3.0C

Requested TAT

Contract ☐ 72hr ☐
24hr ☐ Standard ☒
48hr ☐
Other ☐ _____

Special Reporting Requirements Results: Fax ☐ Email ☐ PDF ☐
Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐ TX TRRP ☐ LA RECAP ☐

Special Detection Limits (specify):

PM review (initial): PM

1. Relinquished by Sampler:	date 5/20/08	time 1730	2. Received by:
3. Relinquished by:	date	time	4. Received by:
5. Relinquished by:	date 5/21/08	time 1000	6. Received by Laboratory:

☒ 8880 Interchange Drive
Houston, TX 77054 (713) 660-0901

☐ 500 Ambassador Caffery Parkway
Scott, LA 70583 (337) 237-4775

☐ 459 Hughes Drive
Traverse City, MI 49686 (231) 947-5777

June 13, 2008

Debra Stake
ARCADIS
175 Cabot Street, Suite 400
Lowell, MA US 01854

Enovis project ID: E101274
Project: Tibbetts Rd. sampling
Project number: MA000725
Laboratory: Southern Petroleum Laboratory (SPL) - Houston
Laboratory submittal: 08051597
Sample date: 2008-05-21
Report received by Enovis: 2008-06-11
Initial Data Verification completed by Enovis: 2008-06-13

Data verification for the report specified above was completed using the Ford Motor Company Environmental Laboratory Technical Specification, the Enovis Standard Operating Procedure for the Verification of Environmental Analytical Data and the associated analytical methods as references for evaluating the batch QC, sample data and report content. The EPA National Functional Guidelines for validating organic and inorganic data were used as guidance when addressing out of control QC results and the associated data qualifiers.

5 Water sample(s) and 1 trip blank were analyzed for GCMS VOC, GC VOC, Metals and General Chemistry parameter(s).

Sample/MS/MSD Surrogate Recovery, Blank/LCS Surrogate Recovery, LCS/LCD Recovery, MS/MSD Recovery, MS/MSD RPD, Sample Duplicate RPD, Blank Contamination and Hold Time Exception were reviewed as part of our verification.

Analytical results reported between RDL and MDL are flagged 'J' and considered estimated values.

The following minor QC exceptions or missing information were noted:

Nitrite MS/MSD recoveries performed on the client sample -02 were outside of laboratory control limits biased low. Client sample -02 Nitrite result is already qualified as estimated due to the concentration being between the MDL and RL so further qualification is not required.

Nitrate MS/MSD recoveries performed on client sample -02 were acceptable.

GCMS VOC trip blank for this sample submittal was non-detect for all target analytes.

The definitions of the qualifiers used for this data package are defined in the analytical report. Enovis valid qualifiers are defined in the table below. To view and download a PDF copy of the laboratory's analytical report access the Enovis CLMS at http://enovis-inc.com/enovis53/index.cfm.

Please contact me if you have any questions.

Sincerely,

Jim Tomalia

Project Scientist

Enovis Valid Qualifiers

Valid Qualifiers	Description
<	Less than the reported concentration.
>	Greater than the reported concentration.
B	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was greater than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the reported concentration. For Inorganic methods the sample concentration was greater than the RDL and less than 10x the blank concentration and is considered non-detect at the reported concentration.
E	The analyte / Compound reported exceeds the calibration range and is considered estimated.
EMPC	Estimated Minimum Potential Contamination - Dioxin/Furan analyses only
J	Indicates an estimated value. This flag is used either when estimating a concentration for a tentatively identified compound or when the data indicates the presence of an analyte / compound but the result is less than the sample Quantitation limit, but greater than zero. The flag is also used in data validation to indicate a reported value should be considered estimated due to associated quality assurance deficiencies.
JH	The sample result is considered estimated and is potentially biased high.
JL	The sample result is considered estimated and is potentially biased low.
NJ	Tentatively identified compound with approximated concentration.
R	Indicates the value is considered to be unusable. (Note: The analyte / compound may or may not be present.)
TNTC	Too Numerous to Count - Asbestos and Microbiological Results
U	Indicates that the analyte / compound was analyzed for, but not detected.
UB	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was less than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the RDL. For Inorganic methods the sample concentration was less than the RDL and less than 10x the blank concentration and is considered non-detect at the RDL.
UJ	The analyte / compound was not detected above the reported sample Quantitation limit. However, the Quantitation limit is considered to be approximate due to associated quality assurance results and may or may not represent the actual limit of Quantitation to accurately and precisely report the analyte in the sample.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Enovis, Inc.

Certificate of Analysis Number:

08051597

Report To:	**Project Name:** E101274, Tibbetts Road
ARCADIS U.S., Inc.	**Site:** Tibbetts Rd.
Debra Stake	**Site Address:**
175 Cabot Street, Suite 400	
Lowell	**PO Number:**
MA	**State:** New Hampshire
01854-	**State Cert. No.:** 295301
ph: (978) 937-9999 fax:	**Date Reported:** 6/10/2008

This Report Contains A Total Of 46 Pages

Excluding This Page

And

Chain Of Custody

6/11/2008

Joann Marroquin
Project Manager

Date

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Case Narrative for:

Enovis, Inc.

Certificate of Analysis Number:

08051597

Report To:		**Project Name:**	**E101274, Tibbetts Road**
ARCADIS U.S., Inc.		**Site:**	**Tibbetts Rd.**
Debra Stake		**Site Address:**	
175 Cabot Street, Suite 400			
Lowell		**PO Number:**	
MA		**State:**	**New Hampshire**
01854-		**State Cert. No.:**	**295301**
ph: (978) 937-9999	**fax:**	**Date Reported:**	**6/10/2008**

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report (" mg\kg-dry " or " ug\kg-dry ").

Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

Your sample ID "IW-3R" (08051597-02) was randomly selected for use in SPL's quality control program for the Total Nitrite Nitrogen analysis by EPA Method 353.2. The Matrix Spike (MS) and Matrix Spike Duplicate (MSD) recoveries were outside of the advisable quality control limits for Batch ID: (R238754) due to matrix interference.

Your sample ID "IW-4R" (08051597-03) was randomly selected for use in SPL's quality control program for the Total Nitrate Nitrogen analysis by EPA Method 353.2. The Matrix Spike (MS) and Matrix Spike Duplicate (MSD) recoveries were outside of the advisable quality control limits for Batch ID: (R238762A) due to matrix interference.

Some of the percent recoveries and RPD's on the QC report for the MS/MSD may be different than the calculated recoveries and RPD's using the sample result and the MS/MSD results that appear on the report because, the actual raw result is used to perform the calculations for percent recovery and RPD.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

6/11/2008

Joann Marroquin
Senior Project Manager

Date

Test results meet all requirements of NELAC, unless specified in the narrative.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Enovis, Inc.

Certificate of Analysis Number:

08051597

Report To: ARCADIS U.S., Inc.
Debra Stake
175 Cabot Street, Suite 400

Lowell
MA
01854-
ph: (978) 937-9999 fax: (978) 937-7555

Fax To:

Project Name: E101274, Tibbetts Road
Site: Tibbetts Rd.
Site Address:

PO Number:
State: New Hampshire
State Cert. No.: 295301
Date Reported: 6/10/2008

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
Trip Blank	08051597-01	Water	5/21/2008	5/22/2008 10:00:00 AM	295235	☐
IW-3R	08051597-02	Water	5/21/2008 10:10:00 AM	5/22/2008 10:00:00 AM	295235	☐
IW-4R	08051597-03	Water	5/21/2008 11:45:00 AM	5/22/2008 10:00:00 AM	295235	☐
59R	08051597-04	Water	5/21/2008 12:30:00 PM	5/22/2008 10:00:00 AM	295235	☐
205R	08051597-05	Water	5/21/2008 1:15:00 PM	5/22/2008 10:00:00 AM	295235	☐
EW-3S	08051597-06	Water	5/21/2008 3:25:00 PM	5/22/2008 10:00:00 AM	295235	☐

Joann Marroquin
Senior Project Manager

6/11/2008
Date

Richard R. Reed
Laboratory Director

Ted Yen
Quality Assurance Officer

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: Trip Blank | **Collected:** 05/21/2008 0:00 | **SPL Sample ID:** 08051597-01

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	06/01/08 19:48	LT	4476766
1,1,1-Trichloroethane	ND		0.25	5	1	06/01/08 19:48	LT	4476766
1,1,2-Trichloroethane	ND		0.38	5	1	06/01/08 19:48	LT	4476766
1,1-Dichloroethane	ND		0.28	5	1	06/01/08 19:48	LT	4476766
1,1-Dichloroethene	ND		0.5	5	1	06/01/08 19:48	LT	4476766
1,1-Dichloropropene	ND		0.35	5	1	06/01/08 19:48	LT	4476766
1,2-Dibromoethane	ND		0.31	5	1	06/01/08 19:48	LT	4476766
2-Butanone	ND		3.2	20	1	06/01/08 19:48	LT	4476766
2-Hexanone	ND		0.47	10	1	06/01/08 19:48	LT	4476766
4-Methyl-2-pentanone	ND		0.31	10	1	06/01/08 19:48	LT	4476766
Acetone	ND		4.6	100	1	06/01/08 19:48	LT	4476766
Benzene	ND		0.35	5	1	06/01/08 19:48	LT	4476766
Bromodichloromethane	ND		0.25	5	1	06/01/08 19:48	LT	4476766
Bromoform	ND		0.5	5	1	06/01/08 19:48	LT	4476766
Bromomethane	ND		0.78	10	1	06/01/08 19:48	LT	4476766
Carbon disulfide	ND		0.25	5	1	06/01/08 19:48	LT	4476766
Carbon tetrachloride	ND		0.25	5	1	06/01/08 19:48	LT	4476766
Chlorobenzene	ND		0.3	5	1	06/01/08 19:48	LT	4476766
Chloroethane	ND		0.31	10	1	06/01/08 19:48	LT	4476766
Chloroform	ND		0.24	5	1	06/01/08 19:48	LT	4476766
Chloromethane	ND		0.3	10	1	06/01/08 19:48	LT	4476766
Dibromochloromethane	ND		0.36	5	1	06/01/08 19:48	LT	4476766
Dibromomethane	ND		0.3	5	1	06/01/08 19:48	LT	4476766
Ethylbenzene	ND		0.34	5	1	06/01/08 19:48	LT	4476766
Methylene chloride	ND		0.67	5	1	06/01/08 19:48	LT	4476766
Styrene	ND		0.7	5	1	06/01/08 19:48	LT	4476766
Tetrachloroethene	ND		0.49	5	1	06/01/08 19:48	LT	4476766
Toluene	ND		0.25	5	1	06/01/08 19:48	LT	4476766
Trichloroethene	ND		0.25	5	1	06/01/08 19:48	LT	4476766
Vinyl acetate	ND		0.57	10	1	06/01/08 19:48	LT	4476766
Vinyl chloride	ND		0.25	2	1	06/01/08 19:48	LT	4476766
cis-1,2-Dichloroethene	ND		0.48	5	1	06/01/08 19:48	LT	4476766
cis-1,3-Dichloropropene	ND		0.26	5	1	06/01/08 19:48	LT	4476766
m,p-Xylene	ND		0.3	1	1	06/01/08 19:48	LT	4476766
o-Xylene	ND		0.31	1	1	06/01/08 19:48	LT	4476766
trans-1,2-Dichloroethene	ND		0.35	5	1	06/01/08 19:48	LT	4476766
trans-1,3-Dichloropropene	ND		0.31	5	1	06/01/08 19:48	LT	4476766
Xylenes,Total	ND		0.3	1	1	06/01/08 19:48	LT	4476766
Surr: 1,2-Dichloroethane-d4	108		0	% 62-130	1	06/01/08 19:48	LT	4476766

Joann Marroquin
Project Manager

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: Trip Blank | **Collected:** 05/21/2008 0:00 | **SPL Sample ID:** 08051597-01

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 4-Bromofluorobenzene	90.0		0	%	70-130	1	06/01/08 19:48	LT	4476766
Surr: Toluene-d8	94.0		0	%	74-122	1	06/01/08 19:48	LT	4476766

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
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>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: IW-3R **Collected:** 05/21/2008 10:10 **SPL Sample ID:** 08051597-02

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
HEADSPACE GAS ANALYSIS					**MCL**	**RSK147 Units: mg/L**		
Ethane	ND		0.0025	0.0025	1	06/04/08 8:04	E_S1	4481573
Ethylene	ND		0.0032	0.0032	1	06/04/08 8:04	E_S1	4481573
Methane	2.1		0.024	0.024	20	06/04/08 13:41	E_S1	4481596

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
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MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: IW-3R **Collected:** 05/21/2008 10:10 **SPL Sample ID:** 08051597-02

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B Units: mg/L**			
Arsenic	ND		0.0192	0.1	1	06/08/08 23:45	EG	4490099
Manganese	6.89		0.000957	0.005	1	06/08/08 23:45	EG	4490099

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	06/02/2008 13:10	DDW	1.00

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: IW-3R **Collected:** 05/21/2008 10:10 **SPL Sample ID:** 08051597-02

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	06/01/08 20:40	LT	4476768
1,1,1-Trichloroethane	ND		0.25	5	1	06/01/08 20:40	LT	4476768
1,1,2-Trichloroethane	ND		0.38	5	1	06/01/08 20:40	LT	4476768
1,1-Dichloroethane	ND		0.28	5	1	06/01/08 20:40	LT	4476768
1,1-Dichloroethene	ND		0.5	5	1	06/01/08 20:40	LT	4476768
1,1-Dichloropropene	ND		0.35	5	1	06/01/08 20:40	LT	4476768
1,2-Dibromoethane	ND		0.31	5	1	06/01/08 20:40	LT	4476768
2-Butanone	ND		3.2	20	1	06/01/08 20:40	LT	4476768
2-Hexanone	ND		0.47	10	1	06/01/08 20:40	LT	4476768
4-Methyl-2-pentanone	200		0.31	10	1	06/01/08 20:40	LT	4476768
Acetone	38	J	4.6	100	1	06/01/08 20:40	LT	4476768
Benzene	360		1.7	25	5	06/02/08 17:18	LT	4478019
Bromodichloromethane	ND		0.25	5	1	06/01/08 20:40	LT	4476768
Bromoform	ND		0.5	5	1	06/01/08 20:40	LT	4476768
Bromomethane	ND		0.78	10	1	06/01/08 20:40	LT	4476768
Carbon disulfide	ND		0.25	5	1	06/01/08 20:40	LT	4476768
Carbon tetrachloride	ND		0.25	5	1	06/01/08 20:40	LT	4476768
Chlorobenzene	ND		0.3	5	1	06/01/08 20:40	LT	4476768
Chloroethane	ND		0.31	10	1	06/01/08 20:40	LT	4476768
Chloroform	ND		0.24	5	1	06/01/08 20:40	LT	4476768
Chloromethane	2	J	0.3	10	1	06/01/08 20:40	LT	4476768
Dibromochloromethane	ND		0.36	5	1	06/01/08 20:40	LT	4476768
Dibromomethane	ND		0.3	5	1	06/01/08 20:40	LT	4476768
Ethylbenzene	100		0.34	5	1	06/01/08 20:40	LT	4476768
Methylene chloride	ND		0.67	5	1	06/01/08 20:40	LT	4476768
Styrene	ND		0.7	5	1	06/01/08 20:40	LT	4476768
Tetrachloroethene	ND		0.49	5	1	06/01/08 20:40	LT	4476768
Toluene	320		1.2	25	5	06/02/08 17:18	LT	4478019
Trichloroethene	ND		0.25	5	1	06/01/08 20:40	LT	4476768
Vinyl acetate	ND		0.57	10	1	06/01/08 20:40	LT	4476768
Vinyl chloride	2		0.25	2	1	06/01/08 20:40	LT	4476768
cis-1,2-Dichloroethene	450		2.4	25	5	06/02/08 17:18	LT	4478019
cis-1,3-Dichloropropene	ND		0.26	5	1	06/01/08 20:40	LT	4476768
m,p-Xylene	95		0.3	1	1	06/01/08 20:40	LT	4476768
o-Xylene	30		0.31	1	1	06/01/08 20:40	LT	4476768
trans-1,2-Dichloroethene	ND		0.35	5	1	06/01/08 20:40	LT	4476768
trans-1,3-Dichloropropene	ND		0.31	5	1	06/01/08 20:40	LT	4476768
Xylenes,Total	125		0.299	1	1	06/01/08 20:40	LT	4476768
Surr: 1,2-Dichloroethane-d4	104		0 %	62-130	1	06/01/08 20:40	LT	4476768

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: IW-3R **Collected:** 05/21/2008 10:10 **SPL Sample ID:** 08051597-02

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 1,2-Dichloroethane-d4	112		0	%	62-130	5	06/02/08 17:18	LT	4478019
Surr: 4-Bromofluorobenzene	98.0		0	%	70-130	1	06/01/08 20:40	LT	4476768
Surr: 4-Bromofluorobenzene	96.0		0	%	70-130	5	06/02/08 17:18	LT	4478019
Surr: Toluene-d8	98.0		0	%	74-122	1	06/01/08 20:40	LT	4476768
Surr: Toluene-d8	104		0	%	74-122	5	06/02/08 17:18	LT	4478019

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
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B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
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TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: IW-3R **Collected:** 05/21/2008 10:10 **SPL Sample ID:** 08051597-02

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
NITRATE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrate (As N)	ND		0.153	0.5	1	05/22/08 13:20	TW	4457851
NITRITE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrite	0.37	J	0.136	0.5	1	05/22/08 16:00	ESK	4457700

Joann Marroquin
Project Manager

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B/V - Analyte detected in the associated Method Blank above Rep.Limit
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TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: IW-4R **Collected:** 05/21/2008 11:45 **SPL Sample ID:** 08051597-03

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
HEADSPACE GAS ANALYSIS					**MCL**	**RSK147 Units: mg/L**		
Ethane	ND		0.0025	0.0025	1	06/04/08 8:15	E_S1	4481574
Ethylene	ND		0.0032	0.0032	1	06/04/08 8:15	E_S1	4481574
Methane	0.054		0.0012	0.0012	1	06/04/08 8:15	E_S1	4481574

Joann Marroquin
Project Manager

Qualifiers:

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B/V - Analyte detected in the associated Method Blank above Rep.Limit
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MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: IW-4R **Collected:** 05/21/2008 11:45 **SPL Sample ID:** 08051597-03

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B Units: mg/L**			
Arsenic	ND		0.0192	0.1	1	06/08/08 23:52	EG	4490100
Manganese	0.746		0.000957	0.005	1	06/08/08 23:52	EG	4490100

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	06/02/2008 13:10	DDW	1.00

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
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B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
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MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: IW-4R **Collected:** 05/21/2008 11:45 **SPL Sample ID:** 08051597-03

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	06/02/08 16:52	LT	4478018
1,1,1-Trichloroethane	ND		0.25	5	1	06/02/08 16:52	LT	4478018
1,1,2-Trichloroethane	ND		0.38	5	1	06/02/08 16:52	LT	4478018
1,1-Dichloroethane	ND		0.28	5	1	06/02/08 16:52	LT	4478018
1,1-Dichloroethene	ND		0.5	5	1	06/02/08 16:52	LT	4478018
1,1-Dichloropropene	ND		0.35	5	1	06/02/08 16:52	LT	4478018
1,2-Dibromoethane	ND		0.31	5	1	06/02/08 16:52	LT	4478018
2-Butanone	ND		3.2	20	1	06/02/08 16:52	LT	4478018
2-Hexanone	ND		0.47	10	1	06/02/08 16:52	LT	4478018
4-Methyl-2-pentanone	25		0.31	10	1	06/02/08 16:52	LT	4478018
Acetone	ND		4.6	100	1	06/02/08 16:52	LT	4478018
Benzene	48		0.35	5	1	06/02/08 16:52	LT	4478018
Bromodichloromethane	ND		0.25	5	1	06/02/08 16:52	LT	4478018
Bromoform	ND		0.5	5	1	06/02/08 16:52	LT	4478018
Bromomethane	ND		0.78	10	1	06/02/08 16:52	LT	4478018
Carbon disulfide	ND		0.25	5	1	06/02/08 16:52	LT	4478018
Carbon tetrachloride	ND		0.25	5	1	06/02/08 16:52	LT	4478018
Chlorobenzene	ND		0.3	5	1	06/02/08 16:52	LT	4478018
Chloroethane	ND		0.31	10	1	06/02/08 16:52	LT	4478018
Chloroform	ND		0.24	5	1	06/02/08 16:52	LT	4478018
Chloromethane	ND		0.3	10	1	06/02/08 16:52	LT	4478018
Dibromochloromethane	ND		0.36	5	1	06/02/08 16:52	LT	4478018
Dibromomethane	ND		0.3	5	1	06/02/08 16:52	LT	4478018
Ethylbenzene	20		0.34	5	1	06/02/08 16:52	LT	4478018
Methylene chloride	ND		0.67	5	1	06/02/08 16:52	LT	4478018
Styrene	ND		0.7	5	1	06/02/08 16:52	LT	4478018
Tetrachloroethene	ND		0.49	5	1	06/02/08 16:52	LT	4478018
Toluene	ND		0.25	5	1	06/02/08 16:52	LT	4478018
Trichloroethene	2	J	0.25	5	1	06/02/08 16:52	LT	4478018
Vinyl acetate	ND		0.57	10	1	06/02/08 16:52	LT	4478018
Vinyl chloride	ND		0.25	2	1	06/02/08 16:52	LT	4478018
cis-1,2-Dichloroethene	180		0.48	5	1	06/02/08 16:52	LT	4478018
cis-1,3-Dichloropropene	ND		0.26	5	1	06/02/08 16:52	LT	4478018
m,p-Xylene	ND		0.3	1	1	06/02/08 16:52	LT	4478018
o-Xylene	ND		0.31	1	1	06/02/08 16:52	LT	4478018
trans-1,2-Dichloroethene	1	J	0.35	5	1	06/02/08 16:52	LT	4478018
trans-1,3-Dichloropropene	ND		0.31	5	1	06/02/08 16:52	LT	4478018
Xylenes,Total	ND		0.3	1	1	06/02/08 16:52	LT	4478018
Surr: 1,2-Dichloroethane-d4	108		0	% 62-130	1	06/02/08 16:52	LT	4478018

Joann Marroquin
Project Manager

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: IW-4R **Collected:** 05/21/2008 11:45 **SPL Sample ID:** 08051597-03

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 4-Bromofluorobenzene	94.0		0	%	70-130	1	06/02/08 16:52	LT	4478018
Surr: Toluene-d8	104		0	%	74-122	1	06/02/08 16:52	LT	4478018

Joann Marroquin
Project Manager

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ND/U - Not Detected at the Method Detection Limit
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B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: IW-4R **Collected:** 05/21/2008 11:45 **SPL Sample ID:** 08051597-03

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
NITRATE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrate (As N)	ND		0.153	0.5	1	05/22/08 13:20	TW	4457856
NITRITE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrite	ND		0.136	0.5	1	05/22/08 16:00	ESK	4457703

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
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E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 59R **Collected:** 05/21/2008 12:30 **SPL Sample ID:** 08051597-04

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B Units: mg/L**			
Arsenic	ND		0.0192	0.1	1	06/08/08 23:56	EG	4490101
Manganese	0.0999		0.000957	0.005	1	06/08/08 23:56	EG	4490101

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	06/02/2008 13:10	DDW	1.00

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
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* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 59R **Collected:** 05/21/2008 12:30 **SPL Sample ID:** 08051597-04

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	06/01/08 21:33	LT	4476769
1,1,1-Trichloroethane	ND		0.25	5	1	06/01/08 21:33	LT	4476769
1,1,2-Trichloroethane	ND		0.38	5	1	06/01/08 21:33	LT	4476769
1,1-Dichloroethane	ND		0.28	5	1	06/01/08 21:33	LT	4476769
1,1-Dichloroethene	ND		0.5	5	1	06/01/08 21:33	LT	4476769
1,1-Dichloropropene	ND		0.35	5	1	06/01/08 21:33	LT	4476769
1,2-Dibromoethane	ND		0.31	5	1	06/01/08 21:33	LT	4476769
2-Butanone	ND		3.2	20	1	06/01/08 21:33	LT	4476769
2-Hexanone	ND		0.47	10	1	06/01/08 21:33	LT	4476769
4-Methyl-2-pentanone	ND		0.31	10	1	06/01/08 21:33	LT	4476769
Acetone	ND		4.6	100	1	06/01/08 21:33	LT	4476769
Benzene	ND		0.35	5	1	06/01/08 21:33	LT	4476769
Bromodichloromethane	ND		0.25	5	1	06/01/08 21:33	LT	4476769
Bromoform	ND		0.5	5	1	06/01/08 21:33	LT	4476769
Bromomethane	ND		0.78	10	1	06/01/08 21:33	LT	4476769
Carbon disulfide	ND		0.25	5	1	06/01/08 21:33	LT	4476769
Carbon tetrachloride	ND		0.25	5	1	06/01/08 21:33	LT	4476769
Chlorobenzene	ND		0.3	5	1	06/01/08 21:33	LT	4476769
Chloroethane	ND		0.31	10	1	06/01/08 21:33	LT	4476769
Chloroform	ND		0.24	5	1	06/01/08 21:33	LT	4476769
Chloromethane	ND		0.3	10	1	06/01/08 21:33	LT	4476769
Dibromochloromethane	ND		0.36	5	1	06/01/08 21:33	LT	4476769
Dibromomethane	ND		0.3	5	1	06/01/08 21:33	LT	4476769
Ethylbenzene	ND		0.34	5	1	06/01/08 21:33	LT	4476769
Methylene chloride	ND		0.67	5	1	06/01/08 21:33	LT	4476769
Styrene	ND		0.7	5	1	06/01/08 21:33	LT	4476769
Tetrachloroethene	ND		0.49	5	1	06/01/08 21:33	LT	4476769
Toluene	8		0.25	5	1	06/01/08 21:33	LT	4476769
Trichloroethene	ND		0.25	5	1	06/01/08 21:33	LT	4476769
Vinyl acetate	ND		0.57	10	1	06/01/08 21:33	LT	4476769
Vinyl chloride	ND		0.25	2	1	06/01/08 21:33	LT	4476769
cis-1,2-Dichloroethene	ND		0.48	5	1	06/01/08 21:33	LT	4476769
cis-1,3-Dichloropropene	ND		0.26	5	1	06/01/08 21:33	LT	4476769
m,p-Xylene	ND		0.3	1	1	06/01/08 21:33	LT	4476769
o-Xylene	ND		0.31	1	1	06/01/08 21:33	LT	4476769
trans-1,2-Dichloroethene	ND		0.35	5	1	06/01/08 21:33	LT	4476769
trans-1,3-Dichloropropene	ND		0.31	5	1	06/01/08 21:33	LT	4476769
Xylenes,Total	ND		0.3	1	1	06/01/08 21:33	LT	4476769
Surr: 1,2-Dichloroethane-d4	108		0	% 62-130	1	06/01/08 21:33	LT	4476769

Joann Marroquin
Project Manager

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
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E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 59R **Collected:** 05/21/2008 12:30 **SPL Sample ID:** 08051597-04

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 4-Bromofluorobenzene	90.0		0	%	70-130	1	06/01/08 21:33	LT	4476769
Surr: Toluene-d8	94.0		0	%	74-122	1	06/01/08 21:33	LT	4476769

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 59R **Collected:** 05/21/2008 12:30 **SPL Sample ID:** 08051597-04

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
NITRATE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrate (As N)	0.191	J	0.153	0.5	1	05/22/08 13:20	TW	4457857
NITRITE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrite	ND		0.136	0.5	1	05/22/08 16:00	ESK	4457704

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 205R **Collected:** 05/21/2008 13:15 **SPL Sample ID:** 08051597-05

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
HEADSPACE GAS ANALYSIS					**MCL**	**RSK147 Units: mg/L**		
Ethane	ND		0.0025	0.0025	1	06/04/08 8:26	E_S1	4481575
Ethylene	ND		0.0032	0.0032	1	06/04/08 8:26	E_S1	4481575
Methane	0.21		0.0012	0.0012	1	06/04/08 8:26	E_S1	4481575

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 205R **Collected:** 05/21/2008 13:15 **SPL Sample ID:** 08051597-05

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL					**MCL**	**SW6010B Units: mg/L**		
Arsenic	0.0365	J	0.0192	0.1	1	06/09/08 0:01	EG	4490102
Manganese	0.892		0.000957	0.005	1	06/09/08 0:01	EG	4490102

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	06/02/2008 13:10	DDW	1.00

Joann Marroquin
Project Manager

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 205R **Collected:** 05/21/2008 13:15 **SPL Sample ID:** 08051597-05

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	06/01/08 21:59	LT	4476770
1,1,1-Trichloroethane	ND		0.25	5	1	06/01/08 21:59	LT	4476770
1,1,2-Trichloroethane	ND		0.38	5	1	06/01/08 21:59	LT	4476770
1,1-Dichloroethane	ND		0.28	5	1	06/01/08 21:59	LT	4476770
1,1-Dichloroethene	ND		0.5	5	1	06/01/08 21:59	LT	4476770
1,1-Dichloropropene	ND		0.35	5	1	06/01/08 21:59	LT	4476770
1,2-Dibromoethane	ND		0.31	5	1	06/01/08 21:59	LT	4476770
2-Butanone	ND		3.2	20	1	06/01/08 21:59	LT	4476770
2-Hexanone	2	J	0.47	10	1	06/01/08 21:59	LT	4476770
4-Methyl-2-pentanone	2500		7.8	250	25	06/03/08 13:00	LT	4480476
Acetone	58	J	4.6	100	1	06/01/08 21:59	LT	4476770
Benzene	740		8.7	120	25	06/03/08 13:00	LT	4480476
Bromodichloromethane	ND		0.25	5	1	06/01/08 21:59	LT	4476770
Bromoform	ND		0.5	5	1	06/01/08 21:59	LT	4476770
Bromomethane	ND		0.78	10	1	06/01/08 21:59	LT	4476770
Carbon disulfide	ND		0.25	5	1	06/01/08 21:59	LT	4476770
Carbon tetrachloride	ND		0.25	5	1	06/01/08 21:59	LT	4476770
Chlorobenzene	ND		0.3	5	1	06/01/08 21:59	LT	4476770
Chloroethane	ND		0.31	10	1	06/01/08 21:59	LT	4476770
Chloroform	ND		0.24	5	1	06/01/08 21:59	LT	4476770
Chloromethane	ND		0.3	10	1	06/01/08 21:59	LT	4476770
Dibromochloromethane	ND		0.36	5	1	06/01/08 21:59	LT	4476770
Dibromomethane	ND		0.3	5	1	06/01/08 21:59	LT	4476770
Ethylbenzene	150		0.34	5	1	06/01/08 21:59	LT	4476770
Methylene chloride	ND		0.67	5	1	06/01/08 21:59	LT	4476770
Styrene	ND		0.7	5	1	06/01/08 21:59	LT	4476770
Tetrachloroethene	ND		0.49	5	1	06/01/08 21:59	LT	4476770
Toluene	180		0.25	5	1	06/01/08 21:59	LT	4476770
Trichloroethene	4	J	0.25	5	1	06/01/08 21:59	LT	4476770
Vinyl acetate	ND		0.57	10	1	06/01/08 21:59	LT	4476770
Vinyl chloride	1	J	0.25	2	1	06/01/08 21:59	LT	4476770
cis-1,2-Dichloroethene	300		12	120	25	06/03/08 13:00	LT	4480476
cis-1,3-Dichloropropene	ND		0.26	5	1	06/01/08 21:59	LT	4476770
m,p-Xylene	320		0.3	1	1	06/01/08 21:59	LT	4476770
o-Xylene	110		0.31	1	1	06/01/08 21:59	LT	4476770
trans-1,2-Dichloroethene	11		0.35	5	1	06/01/08 21:59	LT	4476770
trans-1,3-Dichloropropene	ND		0.31	5	1	06/01/08 21:59	LT	4476770
Xylenes,Total	430		0.3	1	1	06/01/08 21:59	LT	4476770
Surr: 1,2-Dichloroethane-d4	108		0	% 62-130	1	06/01/08 21:59	LT	4476770

Joann Marroquin
Project Manager

Qualifiers:
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E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 205R **Collected:** 05/21/2008 13:15 **SPL Sample ID:** 08051597-05

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 1,2-Dichloroethane-d4	112		0	%	62-130	25	06/03/08 13:00	LT	4480476
Surr: 4-Bromofluorobenzene	94.0		0	%	70-130	1	06/01/08 21:59	LT	4476770
Surr: 4-Bromofluorobenzene	96.0		0	%	70-130	25	06/03/08 13:00	LT	4480476
Surr: Toluene-d8	98.0		0	%	74-122	1	06/01/08 21:59	LT	4476770
Surr: Toluene-d8	104		0	%	74-122	25	06/03/08 13:00	LT	4480476

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
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* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 205R **Collected:** 05/21/2008 13:15 **SPL Sample ID:** 08051597-05

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
NITRATE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrate (As N)	ND		0.153	0.5	1	05/22/08 13:20	TW	4457858
NITRITE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrite	ND		0.136	0.5	1	05/22/08 16:00	ESK	4457705

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
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E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
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TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: EW-3S **Collected:** 05/21/2008 15:25 **SPL Sample ID:** 08051597-06

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
HEADSPACE GAS ANALYSIS					**MCL**	**RSK147 Units: mg/L**		
Ethane	ND		0.0025	0.0025	1	06/04/08 8:48	E_S1	4481577
Ethylene	ND		0.0032	0.0032	1	06/04/08 8:48	E_S1	4481577
Methane	ND		0.0012	0.0012	1	06/04/08 8:48	E_S1	4481577

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: EW-3S **Collected:** 05/21/2008 15:25 **SPL Sample ID:** 08051597-06

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B Units: mg/L**			
Arsenic	ND		0.0192	0.1	1	06/09/08 0:05	EG	4490103
Manganese	0.196		0.000957	0.005	1	06/09/08 0:05	EG	4490103

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	06/02/2008 13:10	DDW	1.00

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
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* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
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TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: EW-3S **Collected:** 05/21/2008 15:25 **SPL Sample ID:** 08051597-06

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	06/01/08 20:15	LT	4476767
1,1,1-Trichloroethane	ND		0.25	5	1	06/01/08 20:15	LT	4476767
1,1,2-Trichloroethane	ND		0.38	5	1	06/01/08 20:15	LT	4476767
1,1-Dichloroethane	ND		0.28	5	1	06/01/08 20:15	LT	4476767
1,1-Dichloroethene	ND		0.5	5	1	06/01/08 20:15	LT	4476767
1,1-Dichloropropene	ND		0.35	5	1	06/01/08 20:15	LT	4476767
1,2-Dibromoethane	ND		0.31	5	1	06/01/08 20:15	LT	4476767
2-Butanone	ND		3.2	20	1	06/01/08 20:15	LT	4476767
2-Hexanone	ND		0.47	10	1	06/01/08 20:15	LT	4476767
4-Methyl-2-pentanone	ND		0.31	10	1	06/01/08 20:15	LT	4476767
Acetone	76	J	4.6	100	1	06/01/08 20:15	LT	4476767
Benzene	ND		0.35	5	1	06/01/08 20:15	LT	4476767
Bromodichloromethane	ND		0.25	5	1	06/01/08 20:15	LT	4476767
Bromoform	ND		0.5	5	1	06/01/08 20:15	LT	4476767
Bromomethane	ND		0.78	10	1	06/01/08 20:15	LT	4476767
Carbon disulfide	ND		0.25	5	1	06/01/08 20:15	LT	4476767
Carbon tetrachloride	ND		0.25	5	1	06/01/08 20:15	LT	4476767
Chlorobenzene	ND		0.3	5	1	06/01/08 20:15	LT	4476767
Chloroethane	ND		0.31	10	1	06/01/08 20:15	LT	4476767
Chloroform	ND		0.24	5	1	06/01/08 20:15	LT	4476767
Chloromethane	ND		0.3	10	1	06/01/08 20:15	LT	4476767
Dibromochloromethane	ND		0.36	5	1	06/01/08 20:15	LT	4476767
Dibromomethane	ND		0.3	5	1	06/01/08 20:15	LT	4476767
Ethylbenzene	ND		0.34	5	1	06/01/08 20:15	LT	4476767
Methylene chloride	ND		0.67	5	1	06/01/08 20:15	LT	4476767
Styrene	ND		0.7	5	1	06/01/08 20:15	LT	4476767
Tetrachloroethene	ND		0.49	5	1	06/01/08 20:15	LT	4476767
Toluene	ND		0.25	5	1	06/01/08 20:15	LT	4476767
Trichloroethene	ND		0.25	5	1	06/01/08 20:15	LT	4476767
Vinyl acetate	ND		0.57	10	1	06/01/08 20:15	LT	4476767
Vinyl chloride	ND		0.25	2	1	06/01/08 20:15	LT	4476767
cis-1,2-Dichloroethene	19		0.48	5	1	06/01/08 20:15	LT	4476767
cis-1,3-Dichloropropene	ND		0.26	5	1	06/01/08 20:15	LT	4476767
m,p-Xylene	ND		0.3	1	1	06/01/08 20:15	LT	4476767
o-Xylene	ND		0.31	1	1	06/01/08 20:15	LT	4476767
trans-1,2-Dichloroethene	ND		0.35	5	1	06/01/08 20:15	LT	4476767
trans-1,3-Dichloropropene	ND		0.31	5	1	06/01/08 20:15	LT	4476767
Xylenes,Total	ND		0.3	1	1	06/01/08 20:15	LT	4476767
Surr: 1,2-Dichloroethane-d4	106		0	% 62-130	1	06/01/08 20:15	LT	4476767

Joann Marroquin
Project Manager

Qualifiers:
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D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: EW-3S **Collected:** 05/21/2008 15:25 **SPL Sample ID:** 08051597-06

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 4-Bromofluorobenzene	92.0		0	%	70-130	1	06/01/08 20:15	LT	4476767
Surr: Toluene-d8	96.0		0	%	74-122	1	06/01/08 20:15	LT	4476767

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: EW-3S **Collected:** 05/21/2008 15:25 **SPL Sample ID:** 08051597-06

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
NITRATE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrate (As N)	0.335	J	0.153	0.5	1	05/22/08 13:20	TW	4457859
NITRITE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrite	ND		0.136	0.5	1	05/22/08 16:00	ESK	4457706

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
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B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
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Quality Control Documentation

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Headspace Gas Analysis** **WorkOrder:** **08051597**
Method: **RSK147** **Lab Batch ID:** **R240110**

Method Blank

RunID: VARC_080604A-4481592 Units: mg/L
Analysis Date: 06/04/2008 12:08 Analyst: E_S1

Analyte	Result	Qual	Rep Limit	MDL
Ethane	ND		0.0025	0.0025
Ethylene	ND		0.0032	0.0032
Methane	ND		0.0012	0.0012

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08051597-02D	IW-3R
08051597-03D	IW-4R
08051597-05D	205R
08051597-06D	EW-3S

Sample Duplicate

Original Sample: 08051597-05
RunID: VARC_080604A-4481575 Units: mg/L
Analysis Date: 06/04/2008 8:26 Analyst: E_S1

Analyte	Sample Result	DUP Result	Qual	RPD	RPD Limit
Ethane	ND	ND		0	50
Ethylene	ND	ND		0	50
Methane	0.21	0.199		5.6	50

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Metals by Method 6010B, Total** **WorkOrder:** **08051597**
Method: **SW6010B** **Lab Batch ID:** **79795**

Method Blank

RunID: TJA_080608A-4490089 Units: mg/L
Analysis Date: 06/08/2008 22:48 Analyst: EG
Preparation Date: 06/02/2008 13:10 Prep By: DD Method SW3010A

Analyte	Result	Qual	Rep Limit	MDL
Arsenic	ND		0.1	0.0192
Manganese	ND		0.005	0.000957

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08051597-02B	IW-3R
08051597-03B	IW-4R
08051597-04B	59R
08051597-05B	205R
08051597-06B	EW-3S

Laboratory Control Sample (LCS)

RunID: TJA_080608A-4490090 Units: mg/L
Analysis Date: 06/08/2008 22:53 Analyst: EG
Preparation Date: 06/02/2008 13:10 Prep By: DD Method SW3010A

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
Arsenic	1.000	0.9200	92.00		80	120
Manganese	1.000	0.9724	97.24		80	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08051880-01
RunID: TJA_080608A-4490092 Units: mg/L
Analysis Date: 06/08/2008 23:13 Analyst: EG
Preparation Date: 06/02/2008 13:10 Prep By: DD Method SW3010A

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
Arsenic	ND		1	1.005	100.5		1	0.9748	97.48		3.073		20	75	125
Manganese	0.01266		1	0.9920	97.93		1	0.9949	98.23		0.2939		20	75	125

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08051597**
Method: **SW8260B** **Lab Batch ID:** **R239789**

Method Blank

RunID: N_080601B-4476764 Units: ug/L
Analysis Date: 06/01/2008 18:56 Analyst: LT
Preparation Date: 06/01/2008 18:56 Prep By: Method

Analyte	Result	Qual	Rep Limit	MDL
1,1,1,2-Tetrachloroethane	ND		5.0	0.42
1,1,1-Trichloroethane	ND		5.0	0.25
1,1,2-Trichloroethane	ND		5.0	0.38
1,1-Dichloroethane	ND		5.0	0.28
1,1-Dichloroethene	ND		5.0	0.5
1,1-Dichloropropene	ND		5.0	0.35
1,2-Dibromoethane	ND		5.0	0.31
2-Butanone	ND		20	3.2
2-Hexanone	ND		10	0.47
4-Methyl-2-pentanone	ND		10	0.31
Acetone	ND		100	4.6
Benzene	ND		5.0	0.35
Bromodichloromethane	ND		5.0	0.25
Bromoform	ND		5.0	0.5
Bromomethane	ND		10	0.78
Carbon disulfide	ND		5.0	0.25
Carbon tetrachloride	ND		5.0	0.25
Chlorobenzene	ND		5.0	0.3
Chloroethane	ND		10	0.31
Chloroform	ND		5.0	0.24
Chloromethane	ND		10	0.3
Dibromochloromethane	ND		5.0	0.36
Dibromomethane	ND		5.0	0.3
Ethylbenzene	ND		5.0	0.34
Methylene chloride	ND		5.0	0.67
Styrene	ND		5.0	0.7
Tetrachloroethene	ND		5.0	0.49
Toluene	ND		5.0	0.25
Trichloroethene	ND		5.0	0.25
Vinyl acetate	ND		10	0.57
Vinyl chloride	ND		2.0	0.25
cis-1,2-Dichloroethene	ND		5.0	0.48
cis-1,3-Dichloropropene	ND		5.0	0.26
m,p-Xylene	ND		1.0	0.3
o-Xylene	ND		1.0	0.31
trans-1,2-Dichloroethene	ND		5.0	0.35
trans-1,3-Dichloropropene	ND		5.0	0.31
Xylenes,Total	ND		1.0	0.3
Surr: 1,2-Dichloroethane-d4	106.0		62-130	0
Surr: 4-Bromofluorobenzene	90.0		70-130	0
Surr: Toluene-d8	94.0		74-122	0

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08051597-01A	Trip Blank
08051597-02A	IW-3R
08051597-04A	59R
08051597-05A	205R
08051597-06A	EW-3S

Laboratory Control Sample (LCS)

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
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J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08051597**
Method: **SW8260B** **Lab Batch ID:** **R239789**

RunID: N_080601B-4476763 Units: ug/L
Analysis Date: 06/01/2008 17:37 Analyst: LT
Preparation Date: 06/01/2008 17:37 Prep By: Method

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
1,1,1,2-Tetrachloroethane	20.0	18.0	90.0		71	136
1,1,1-Trichloroethane	20.0	19.0	95.0		66	132
1,1,2-Trichloroethane	20.0	18.0	90.0		70	130
1,1-Dichloroethane	20.0	18.0	90.0		67	131
1,1-Dichloroethene	20.0	19.0	95.0		71	146
1,1-Dichloropropene	20.0	20.0	100		59	138
1,2-Dibromoethane	20.0	18.0	90.0		63	126
2-Butanone	120	57.0	47.5		20	235
2-Hexanone	20.0	15.0	75.0		34	182
4-Methyl-2-pentanone	20.0	18.0	90.0		11	145
Acetone	200	96.0	48.0	J	13	386
Benzene	20.0	18.0	90.0		76	126
Bromodichloromethane	20.0	19.0	95.0		77	138
Bromoform	20.0	17.0	85.0		55	129
Bromomethane	20.0	17.0	85.0		58	148
Carbon disulfide	20.0	18.0	90.0		46	146
Carbon tetrachloride	20.0	18.0	90.0		66	137
Chlorobenzene	20.0	18.0	90.0		67	136
Chloroethane	20.0	17.0	85.0		50	137
Chloroform	20.0	18.0	90.0		70	135
Chloromethane	20.0	18.0	90.0		51	140
Dibromochloromethane	20.0	18.0	90.0		69	127
Dibromomethane	20.0	18.0	90.0		74	130
Ethylbenzene	20.0	18.0	90.0		67	122
Methylene chloride	20.0	18.0	90.0		52	143
Styrene	20.0	16.0	80.0		60	139
Tetrachloroethene	20.0	20.0	100		26	200
Toluene	20.0	19.0	95.0		70	131
Trichloroethene	20.0	18.0	90.0		64	137
Vinyl acetate	20.0	18.0	90.0		10	193
Vinyl chloride	20.0	19.0	95.0		31	147
cis-1,2-Dichloroethene	20.0	19.0	95.0		70	142
cis-1,3-Dichloropropene	20.0	19.0	95.0		61	134
m,p-Xylene	40.0	35.0	87.5		72	150
o-Xylene	20.0	18.0	90.0		78	141

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
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MI - Matrix Interference
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N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis:	**Volatile Organics by Method 8260B**	**WorkOrder:**	**08051597**
Method:	**SW8260B**	**Lab Batch ID:**	**R239789**

Laboratory Control Sample (LCS)

RunID:	N_080601B-4476763	Units:	ug/L
Analysis Date:	06/01/2008 17:37	Analyst:	LT
Preparation Date:	06/01/2008 17:37	Prep By:	Method

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
trans-1,2-Dichloroethene	20.0	18.0	90.0		67	141
trans-1,3-Dichloropropene	20.0	20.0	100		56	136
Xylenes,Total	60	53	88		72	150
Surr: 1,2-Dichloroethane-d4	50.0	48	96.0		62	130
Surr: 4-Bromofluorobenzene	50.0	46	92.0		70	130
Surr: Toluene-d8	50.0	47	94.0		74	122

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked:	08051597-06		
RunID:	N_080601B-4476771	Units:	ug/L
Analysis Date:	06/01/2008 22:26	Analyst:	LT

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
1,1,1,2-Tetrachloroethane	ND		20	18.0	90.0		20	18.0	90.0		0		20	35	175
1,1,1-Trichloroethane	ND		20	18.0	90.0		20	19.0	95.0		5.41		20	35	175
1,1,2-Trichloroethane	ND		20	18.0	90.0		20	18.0	90.0		0		20	35	175
1,1-Dichloroethane	ND		20	19.0	95.0		20	18.0	90.0		5.41		20	35	175
1,1-Dichloroethene	ND		20	19.0	95.0		20	18.0	90.0		5.41		22	61	145
1,1-Dichloropropene	ND		20	18.0	90.0		20	18.0	90.0		0		20	35	175
1,2-Dibromoethane	ND		20	18.0	90.0		20	18.0	90.0		0		20	35	175
2-Butanone	ND		20	17.0	85.0		20	18.0	90.0		5.71		20	10	230
2-Hexanone	ND		20	17.0	85.0		20	17.0	85.0		0		20	10	250
4-Methyl-2-pentanone	ND		20	18.0	90.0		20	19.0	95.0		5.41		20	10	175
Acetone	76.0	J	100	120	44.0		100	120	44.0		0		20	10	400
Benzene	ND		20	19.0	95.0		20	19.0	95.0		0		22	76	127
Bromodichloromethane	ND		20	19.0	95.0		20	19.0	95.0		0		20	35	175
Bromoform	ND		20	15.0	75.0		20	15.0	75.0		0		20	35	175
Bromomethane	ND		20	20.0	100		20	20.0	100		0		20	35	175
Carbon disulfide	ND		20	19.0	95.0		20	18.0	90.0		5.41		20	30	225
Carbon tetrachloride	ND		20	18.0	90.0		20	18.0	90.0		0		20	35	175

Qualifiers:
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08051597**
Method: **SW8260B** **Lab Batch ID:** **R239789**

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08051597-06
RunID: N_080601B-4476771 Units: ug/L
Analysis Date: 06/01/2008 22:26 Analyst: LT

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
Chlorobenzene	ND		20	17.0	85.0		20	17.0	85.0		0		21	70	130
Chloroethane	ND		20	20.0	100		20	20.0	100		0		20	35	175
Chloroform	ND		20	19.0	95.0		20	18.0	90.0		5.41		20	35	175
Chloromethane	ND		20	20.0	100		20	19.0	95.0		5.13		20	35	175
Dibromochloromethane	ND		20	17.0	85.0		20	16.0	80.0		6.06		20	35	175
Dibromomethane	ND		20	19.0	95.0		20	19.0	95.0		0		20	35	175
Ethylbenzene	ND		20	16.0	80.0		20	16.0	80.0		0		20	35	175
Methylene chloride	ND		20	19.0	95.0		20	18.0	90.0		5.41		20	35	175
Styrene	ND		20	16.0	80.0		20	15.0	75.0		6.45		20	35	175
Tetrachloroethene	ND		20	17.0	85.0		20	16.0	80.0		6.06		20	30	250
Toluene	ND		20	19.0	95.0		20	18.0	90.0		5.41		24	70	131
Trichloroethene	ND		20	18.0	90.0		20	18.0	90.0		0		21	60	140
Vinyl acetate	ND		20	15.0	75.0		20	15.0	75.0		0		20	10	250
Vinyl chloride	ND		20	21.0	105		20	20.0	100		4.88		20	35	175
cis-1,2-Dichloroethene	19.0		20	39.0	100		20	38.0	95.0		2.60		20	35	175
cis-1,3-Dichloropropene	ND		20	18.0	90.0		20	18.0	90.0		0		20	35	175
m,p-Xylene	ND		40	33.0	82.5		40	32.0	80.0		3.08		20	35	175
o-Xylene	ND		20	17.0	85.0		20	17.0	85.0		0		20	35	175
trans-1,2-Dichloroethene	ND		20	18.0	90.0		20	18.0	90.0		0		20	35	175
trans-1,3-Dichloropropene	ND		20	18.0	90.0		20	18.0	90.0		0		20	35	175
Xylenes,Total	ND		60	50	83		60	49	82		2.0		20	35	175
Surr: 1,2-Dichloroethane-d4	ND		50	52	104		50	51.0	102		1.94		30	62	130
Surr: 4-Bromofluorobenzene	ND		50	54	108		50	53.0	106		1.87		30	70	130
Surr: Toluene-d8	ND		50	51	102		50	50.0	100		1.98		30	74	122

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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis:	**Volatile Organics by Method 8260B**	**WorkOrder:**	**08051597**
Method:	**SW8260B**	**Lab Batch ID:**	**R239868**

Method Blank

RunID:	N_080602B-4478012	Units:	ug/L
Analysis Date:	06/02/2008 11:37	Analyst:	LT
Preparation Date:	06/02/2008 11:37	Prep By:	Method

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08051597-02A	IW-3R
08051597-03A	IW-4R

Analyte	Result	Qual	Rep Limit	MDL
1,1,1,2-Tetrachloroethane	ND		5.0	0.42
1,1,1-Trichloroethane	ND		5.0	0.25
1,1,2-Trichloroethane	ND		5.0	0.38
1,1-Dichloroethane	ND		5.0	0.28
1,1-Dichloroethene	ND		5.0	0.5
1,1-Dichloropropene	ND		5.0	0.35
1,2-Dibromoethane	ND		5.0	0.31
2-Butanone	ND		20	3.2
2-Hexanone	ND		10	0.47
4-Methyl-2-pentanone	ND		10	0.31
Acetone	ND		100	4.6
Benzene	ND		5.0	0.35
Bromodichloromethane	ND		5.0	0.25
Bromoform	ND		5.0	0.5
Bromomethane	ND		10	0.78
Carbon disulfide	ND		5.0	0.25
Carbon tetrachloride	ND		5.0	0.25
Chlorobenzene	ND		5.0	0.3
Chloroethane	ND		10	0.31
Chloroform	ND		5.0	0.24
Chloromethane	ND		10	0.3
Dibromochloromethane	ND		5.0	0.36
Dibromomethane	ND		5.0	0.3
Ethylbenzene	ND		5.0	0.34
Methylene chloride	ND		5.0	0.67
Styrene	ND		5.0	0.7
Tetrachloroethene	ND		5.0	0.49
Toluene	ND		5.0	0.25
Trichloroethene	ND		5.0	0.25
Vinyl acetate	ND		10	0.57
Vinyl chloride	ND		2.0	0.25
cis-1,2-Dichloroethene	ND		5.0	0.48
cis-1,3-Dichloropropene	ND		5.0	0.26
m,p-Xylene	ND		1.0	0.3
o-Xylene	ND		1.0	0.31
trans-1,2-Dichloroethene	ND		5.0	0.35
trans-1,3-Dichloropropene	ND		5.0	0.31
Xylenes,Total	ND		1.0	0.3
Surr: 1,2-Dichloroethane-d4	114.0		62-130	0
Surr: 4-Bromofluorobenzene	92.0		70-130	0
Surr: Toluene-d8	100.0		74-122	0

Laboratory Control Sample (LCS)

Qualifiers:
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08051597**
Method: **SW8260B** **Lab Batch ID:** **R239868**

RunID: N_080602B-4478011 Units: ug/L
Analysis Date: 06/02/2008 11:00 Analyst: LT
Preparation Date: 06/02/2008 11:00 Prep By: Method

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
1,1,1,2-Tetrachloroethane	20.0	20.0	100		71	136
1,1,1-Trichloroethane	20.0	21.0	105		66	132
1,1,2-Trichloroethane	20.0	20.0	100		70	130
1,1-Dichloroethane	20.0	21.0	105		67	131
1,1-Dichloroethene	20.0	20.0	100		71	146
1,1-Dichloropropene	20.0	21.0	105		59	138
1,2-Dibromoethane	20.0	21.0	105		63	126
2-Butanone	120	72.0	60.0		20	235
2-Hexanone	20.0	18.0	90.0		34	182
4-Methyl-2-pentanone	20.0	21.0	105		11	145
Acetone	200	130	65.0		13	386
Benzene	20.0	21.0	105		76	126
Bromodichloromethane	20.0	21.0	105		77	138
Bromoform	20.0	18.0	90.0		55	129
Bromomethane	20.0	21.0	105		58	148
Carbon disulfide	20.0	20.0	100		46	146
Carbon tetrachloride	20.0	21.0	105		66	137
Chlorobenzene	20.0	20.0	100		67	136
Chloroethane	20.0	21.0	105		50	137
Chloroform	20.0	20.0	100		70	135
Chloromethane	20.0	20.0	100		51	140
Dibromochloromethane	20.0	20.0	100		69	127
Dibromomethane	20.0	20.0	100		74	130
Ethylbenzene	20.0	19.0	95.0		67	122
Methylene chloride	20.0	20.0	100		52	143
Styrene	20.0	17.0	85.0		60	139
Tetrachloroethene	20.0	20.0	100		26	200
Toluene	20.0	20.0	100		70	131
Trichloroethene	20.0	21.0	105		64	137
Vinyl acetate	20.0	21.0	105		10	193
Vinyl chloride	20.0	22.0	110		31	147
cis-1,2-Dichloroethene	20.0	22.0	110		70	142
cis-1,3-Dichloropropene	20.0	21.0	105		61	134
m,p-Xylene	40.0	38.0	95.0		72	150
o-Xylene	20.0	20.0	100		78	141

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
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J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis:	**Volatile Organics by Method 8260B**	**WorkOrder:**	**08051597**
Method:	**SW8260B**	**Lab Batch ID:**	**R239868**

Laboratory Control Sample (LCS)

RunID:	N_080602B-4478011	Units:	ug/L
Analysis Date:	06/02/2008 11:00	Analyst:	LT
Preparation Date:	06/02/2008 11:00	Prep By:	Method

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
trans-1,2-Dichloroethene	20.0	20.0	100		67	141
trans-1,3-Dichloropropene	20.0	22.0	110		56	136
Xylenes,Total	60	58	97		72	150
Surr: 1,2-Dichloroethane-d4	50.0	51	102		62	130
Surr: 4-Bromofluorobenzene	50.0	51	102		70	130
Surr: Toluene-d8	50.0	51	102		74	122

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked:	08051736-07		
RunID:	N_080602B-4478015	Units:	ug/L
Analysis Date:	06/02/2008 15:33	Analyst:	LT

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
1,1,1,2-Tetrachloroethane	ND		20	19.0	95.0		20	20.0	100		5.13		20	35	175
1,1,1-Trichloroethane	ND		20	19.0	95.0		20	20.0	100		5.13		20	35	175
1,1,2-Trichloroethane	ND		20	18.0	90.0		20	20.0	100		10.5		20	35	175
1,1-Dichloroethane	9.00		20	26.0	85.0		20	28.0	95.0		7.41		20	35	175
1,1-Dichloroethene	14.0		20	31.0	85.0		20	32.0	90.0		3.17		22	61	145
1,1-Dichloropropene	ND		20	17.0	85.0		20	18.0	90.0		5.71		20	35	175
1,2-Dibromoethane	ND		20	18.0	90.0		20	20.0	100		10.5		20	35	175
2-Butanone	ND		20	18.0	90.0		20	19.0	95.0		5.41		20	10	230
2-Hexanone	ND		20	17.0	85.0		20	19.0	95.0		11.1		20	10	250
4-Methyl-2-pentanone	ND		20	17.0	85.0		20	19.0	95.0		11.1		20	10	175
Acetone	ND		100	100	100		100	110	110		9.52		20	10	400
Benzene	ND		20	18.0	90.0		20	19.0	95.0		5.41		22	76	127
Bromodichloromethane	ND		20	18.0	90.0		20	19.0	95.0		5.41		20	35	175
Bromoform	ND		20	17.0	85.0		20	19.0	95.0		11.1		20	35	175
Bromomethane	ND		20	18.0	90.0		20	19.0	95.0		5.41		20	35	175
Carbon disulfide	ND		20	16.0	80.0		20	17.0	85.0		6.06		20	30	225
Carbon tetrachloride	ND		20	18.0	90.0		20	20.0	100		10.5		20	35	175

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08051597**
Method: **SW8260B** **Lab Batch ID:** **R239868**

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08051736-07
RunID: N_080602B-4478015 Units: ug/L
Analysis Date: 06/02/2008 15:33 Analyst: LT

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
Chlorobenzene	ND		20	18.0	90.0		20	19.0	95.0		5.41		21	70	130
Chloroethane	ND		20	17.0	85.0		20	18.0	90.0		5.71		20	35	175
Chloroform	ND		20	18.0	90.0		20	19.0	95.0		5.41		20	35	175
Chloromethane	ND		20	14.0	70.0		20	14.0	70.0		0		20	35	175
Dibromochloromethane	ND		20	18.0	90.0		20	19.0	95.0		5.41		20	35	175
Dibromomethane	ND		20	18.0	90.0		20	20.0	100		10.5		20	35	175
Ethylbenzene	ND		20	16.0	80.0		20	17.0	85.0		6.06		20	35	175
Methylene chloride	ND		20	17.0	85.0		20	18.0	90.0		5.71		20	35	175
Styrene	ND		20	15.0	75.0		20	16.0	80.0		6.45		20	35	175
Tetrachloroethene	ND		20	18.0	90.0		20	18.0	90.0		0		20	30	250
Toluene	ND		20	19.0	95.0		20	20.0	100		5.13		24	70	131
Trichloroethene	ND		20	18.0	90.0		20	19.0	95.0		5.41		21	60	140
Vinyl acetate	ND		20	16.0	80.0		20	17.0	85.0		6.06		20	10	250
Vinyl chloride	ND		20	17.0	85.0		20	18.0	90.0		5.71		20	35	175
cis-1,2-Dichloroethene	ND		20	18.0	90.0		20	19.0	95.0		5.41		20	35	175
cis-1,3-Dichloropropene	ND		20	18.0	90.0		20	19.0	95.0		5.41		20	35	175
m,p-Xylene	ND		40	35.0	87.5		40	36.0	90.0		2.82		20	35	175
o-Xylene	ND		20	18.0	90.0		20	19.0	95.0		5.41		20	35	175
trans-1,2-Dichloroethene	ND		20	17.0	85.0		20	18.0	90.0		5.71		20	35	175
trans-1,3-Dichloropropene	ND		20	18.0	90.0		20	19.0	95.0		5.41		20	35	175
Xylenes,Total	ND		60	53	88		60	55	92		3.7		20	35	175
Surr: 1,2-Dichloroethane-d4	ND		50	50	100		50	52.0	104		3.92		30	62	130
Surr: 4-Bromofluorobenzene	ND		50	56	112		50	55.0	110		1.80		30	70	130
Surr: Toluene-d8	ND		50	56	112		50	54.0	108		3.64		30	74	122

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08051597**
Method: **SW8260B** **Lab Batch ID:** **R240038**

Method Blank

RunID: N_080603B-4480474 Units: ug/L
Analysis Date: 06/03/2008 12:08 Analyst: LT
Preparation Date: 06/03/2008 12:08 Prep By: Method

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08051597-05A	205R

Analyte	Result	Qual	Rep Limit	MDL
4-Methyl-2-pentanone	ND		10	0.31
Benzene	ND		5.0	0.35
cis-1,2-Dichloroethene	ND		5.0	0.48
Surr: 1,2-Dichloroethane-d4	106.0		62-130	0
Surr: 4-Bromofluorobenzene	92.0		70-130	0
Surr: Toluene-d8	102.0		74-122	0

Laboratory Control Sample (LCS)

RunID: N_080603B-4480472 Units: ug/L
Analysis Date: 06/03/2008 11:42 Analyst: LT
Preparation Date: 06/03/2008 11:42 Prep By: Method

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
4-Methyl-2-pentanone	20.0	19.0	95.0		11	145
Benzene	20.0	19.0	95.0		76	126
cis-1,2-Dichloroethene	20.0	19.0	95.0		70	142
Surr: 1,2-Dichloroethane-d4	50.0	52	104		62	130
Surr: 4-Bromofluorobenzene	50.0	52	104		70	130
Surr: Toluene-d8	50.0	52	104		74	122

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08051943-03
RunID: N_080603B-4480484 Units: ug/L
Analysis Date: 06/03/2008 16:56 Analyst: LT

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
4-Methyl-2-pentanone	ND		20	19.0	95.0		20	20.0	100		5.13		20	10	175
Benzene	ND		20	20.0	100		20	19.0	95.0		5.13		22	76	127
cis-1,2-Dichloroethene	ND		20	20.0	100		20	19.0	95.0		5.13		20	35	175

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

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HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08051597**
Method: **SW8260B** **Lab Batch ID:** **R240038**

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08051943-03
RunID: N_080603B-4480484 Units: ug/L
Analysis Date: 06/03/2008 16:56 Analyst: LT

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
Surr: 1,2-Dichloroethane-d4	ND		50	52	104		50	51.0	102		1.94		30	62	130
Surr: 4-Bromofluorobenzene	ND		50	53	106		50	53.0	106		0		30	70	130
Surr: Toluene-d8	ND		50	54	108		50	53.0	106		1.87		30	74	122

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Nitrite Nitrogen (as N), Total** **WorkOrder:** **08051597**
Method: **E353.2** **Lab Batch ID:** **R238754**

Method Blank

RunID: WET_080522ZO-4457697 Units: mg/L
Analysis Date: 05/22/2008 16:00 Analyst: ESK

Analyte	Result	Qual	Rep Limit	MDL
Nitrogen,Nitrite	ND		0.50	0.136

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08051597-02C	IW-3R
08051597-03C	IW-4R
08051597-04C	59R
08051597-05C	205R
08051597-06C	EW-3S

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08051597-02
RunID: WET_080522ZO-4457701 Units: mg/L
Analysis Date: 05/22/2008 16:00 Analyst: ESK

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
Nitrogen,Nitrite	0.3703	J	5	4.434	81.28	*	5	4.843	89.46	*	8.814		20	90	110

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Nitrate Nitrogen (as N), Total** **WorkOrder:** **08051597**
Method: **E353.2** **Lab Batch ID:** **R238762**

Method Blank

RunID: WET_080522ZT-4457838 Units: mg/L
Analysis Date: 05/22/2008 13:20 Analyst: TW

Analyte	Result	Qual	Rep Limit	MDL
Nitrogen,Nitrate (As N)	ND		0.50	0.153

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08051597-03C	IW-4R
08051597-04C	59R
08051597-05C	205R
08051597-06C	EW-3S

Laboratory Control Sample (LCS)

RunID: WET_080522ZT-4457839 Units: mg/L
Analysis Date: 05/22/2008 13:20 Analyst: TW

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
Nitrogen,Nitrate (As N)	5.000	5.443	108.9		90	110

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08051597-02
RunID: WET_080522ZT-4457854 Units: mg/L
Analysis Date: 05/22/2008 13:20 Analyst: TW

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
Nitrogen,Nitrate (As N)	ND		5	5.161	103.2		5	4.884	97.69		5.511		20	90	110

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

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HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Nitrate Nitrogen (as N), Total** **WorkOrder:** **08051597**
Method: **E353.2** **Lab Batch ID:** **R238762A**

Method Blank

RunID: WET_080522ZT-4457838 Units: mg/L
Analysis Date: 05/22/2008 13:20 Analyst: TW

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08051597-02C	IW-3R

Analyte	Result	Qual	Rep Limit	MDL
Nitrogen,Nitrate (As N)	ND		0.50	0.153

Laboratory Control Sample (LCS)

RunID: WET_080522ZT-4457839 Units: mg/L
Analysis Date: 05/22/2008 13:20 Analyst: TW

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
Nitrogen,Nitrate (As N)	5.000	5.443	108.9		90	110

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08051589-03
RunID: WET_080522ZT-4457843 Units: mg/L
Analysis Date: 05/22/2008 13:20 Analyst: TW

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
Nitrogen,Nitrate (As N)	0.2666	J	5	4.271	80.08	*	5	4.651	87.68	*	8.514		20	90	110

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

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Sample Receipt Checklist

And

Chain of Custody

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Sample Receipt Checklist

Workorder:	**08051597**	Received By:	**RE**
Date and Time Received:	**5/22/2008 10:00:00 AM**	Carrier name:	**Fedex-Priority**
Temperature:	**3.5°C**	Chilled by:	**Water Ice**

1.	**Shipping container/cooler in good condition?**	Yes ☑	No ☐	Not Present ☐
2.	**Custody seals intact on shippping container/cooler?**	Yes ☑	No ☐	Not Present ☐
3.	**Custody seals intact on sample bottles?**	Yes ☐	No ☐	Not Present ☑
4.	**Chain of custody present?**	Yes ☑	No ☐	
5.	**Chain of custody signed when relinquished and received?**	Yes ☑	No ☐	
6.	**Chain of custody agrees with sample labels?**	Yes ☑	No ☐	
7.	**Samples in proper container/bottle?**	Yes ☑	No ☐	
8.	**Sample containers intact?**	Yes ☑	No ☐	
9.	**Sufficient sample volume for indicated test?**	Yes ☑	No ☐	
10.	**All samples received within holding time?**	Yes ☑	No ☐	
11.	**Container/Temp Blank temperature in compliance?**	Yes ☑	No ☐	
12.	**Water - VOA vials have zero headspace?**	Yes ☑	No ☐	VOA Vials Not Present ☐
13.	**Water - Preservation checked upon receipt (except VOA*)?**	Yes ☑	No ☐	Not Applicable ☐

***VOA Preservation Checked After Sample Analysis**

SPL Representative: _____ **Contact Date & Time:** _____

Client Name Contacted: _____

Non Conformance Issues: _____

Client Instructions: _____

SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No. 08051597

295235

page ____ of ____

Client Name: ARCADIS
Address: 175 Cabot St #400 Lowell MA 01854
Phone/Fax: 9789379999 / 9789377555
Client Contact: Debra Stake Email:
Project Name/No.: Ford / MA000725
Site Name: Tibbetts
Site Location: Tibbetts Road
Invoice To: Ph:

matrix: W=water S=soil O=oil SL=sludge X=other
bottle: P=plastic A=amber glass G=glass V=vial X=other
size: 1=1 liter 4=4oz 40=vial 8=8oz 16=16oz X=other
pres.: 1=HCl 2=HNO3 3=H2SO4 X=other

Requested Analysis

SAMPLE ID	DATE	TIME	comp	grab	matrix	bottle	size	pres.	Number of Containers	VOC 8260B	As, Mn 6010B	NO3/NO2 E300	Ethene, Ethane, Methane RSK-147					
Trip Blank	—	—	—	—	W	V	40	1	2	✓								
IW-3R	5-21-08	1010		X	W	P,V	1,16,40	1,2,X	8	✓	✓	✓	✓					
IW-4R	5-21-08	1145		X	W	P,V	1,16,40	1,2,X	8	✓	✓	✓	✓					
59R	5-21-08	1230		X	W	P/V	1/16/40	1/2/X	5	✓	✓	✓						
205R	5-21-08	1315		X	W	P/V	1/16/40	1/2/X	8	✓	✓	✓	✓					
EW-3S	5-21-08	1525		X	W	P/V	1/16/40	1/2/X	8	✓	✓	✓	✓					

Client/Consultant Remarks: ENOVIS project# E101274

Laboratory remarks:

Intact? ☐ Y ☐ N
Ice? ☐ Y ☐ N
Temp: 3.5°C

Requested TAT

Contract ☐ 72hr ☐
24hr ☐ Standard ☒
48hr ☐
Other ☐ _____

Special Reporting Requirements Results: Fax ☐ Email ☐ PDF ☐
Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐ TX TRRP ☐ LA RECAP ☐

Special Detection Limits (specify):

PM review (initial):

1. Relinquished by Sampler:	date 5-21-08	time 1600	2. Received by:
3. Relinquished by: Dave Champagne	date 5/21/08	time 1745	4. Received by:
5. Relinquished by:	date 5/22/08	time 1030	6. Received by Laboratory:

☒ 8880 Interchange Drive
Houston, TX 77054 (713) 660-0901

☐ 500 Ambassador Caffery Parkway
Scott, LA 70583 (337) 237-4775

☐ 459 Hughes Drive
Traverse City, MI 49686 (231) 947-5777

June 13, 2008

Debra Stake
ARCADIS
175 Cabot Street, Suite 400
Lowell, MA US 01854

Enovis project ID: E101274
Project: Tibbetts Rd. sampling
Project number: MA000725
Laboratory: Southern Petroleum Laboratory (SPL) - Houston
Laboratory submittal: 08051694
Sample date: 2008-05-21 2008-05-22
Report received by Enovis: 2008-06-11
Initial Data Verification completed by Enovis: 2008-06-13

Data verification for the report specified above was completed using the Ford Motor Company Environmental Laboratory Technical Specification, the Enovis Standard Operating Procedure for the Verification of Environmental Analytical Data and the associated analytical methods as references for evaluating the batch QC, sample data and report content. The EPA National Functional Guidelines for validating organic and inorganic data were used as guidance when addressing out of control QC results and the associated data qualifiers.

6 Water sample(s) and 1 trip blank were analyzed for GCMS VOC, GC VOC, Metals and General Chemistry parameter(s).

Sample/MS/MSD Surrogate Recovery, Blank/LCS Surrogate Recovery, LCS/LCD Recovery, MS/MSD Recovery, MS/MSD RPD, Sample Duplicate RPD, Blank Contamination and Hold Time Exception were reviewed as part of our verification.

Analytical results reported between RDL and MDL are flagged 'J' and considered estimated values.

The following minor QC exceptions or missing information were noted:

Nitrite and Nitrate MS recoveries performed on the client sample were outside of laboratory control limits biased low. MSD recoveries and MS/MSD RPD were acceptable so qualification of client sample results is not required based on these QC outliers.

GCMS VOC trip blank for this sample submittal was non-detect for all target analytes.

The definitions of the qualifiers used for this data package are defined in the analytical report. Enovis valid qualifiers are defined in the table below. To view and download a PDF copy of the laboratory's analytical report access the Enovis CLMS at http://enovis-inc.com/enovis53/index.cfm.

Please contact me if you have any questions.

Sincerely,

Jim Tomalia

Project Scientist

Enovis Valid Qualifiers

Valid Qualifiers	Description
<	Less than the reported concentration.
>	Greater than the reported concentration.
B	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was greater than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the reported concentration. For Inorganic methods the sample concentration was greater than the RDL and less than 10x the blank concentration and is considered non-detect at the reported concentration.
E	The analyte / Compound reported exceeds the calibration range and is considered estimated.
EMPC	Estimated Minimum Potential Contamination - Dioxin/Furan analyses only
J	Indicates an estimated value. This flag is used either when estimating a concentration for a tentatively identified compound or when the data indicates the presence of an analyte / compound but the result is less than the sample Quantitation limit, but greater than zero. The flag is also used in data validation to indicate a reported value should be considered estimated due to associated quality assurance deficiencies.
JH	The sample result is considered estimated and is potentially biased high.
JL	The sample result is considered estimated and is potentially biased low.
NJ	Tentatively identified compound with approximated concentration.
R	Indicates the value is considered to be unusable. (Note: The analyte / compound may or may not be present.)
TNTC	Too Numerous to Count - Asbestos and Microbiological Results
U	Indicates that the analyte / compound was analyzed for, but not detected.
UB	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was less than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the RDL. For Inorganic methods the sample concentration was less than the RDL and less than 10x the blank concentration and is considered non-detect at the RDL.
UJ	The analyte / compound was not detected above the reported sample Quantitation limit. However, the Quantitation limit is considered to be approximate due to associated quality assurance results and may or may not represent the actual limit of Quantitation to accurately and precisely report the analyte in the sample.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Enovis, Inc.

Certificate of Analysis Number:

08051694

Report To:	**Project Name:** E101274, Tibbetts Road
ARCADIS U.S., Inc.	**Site:** Tibbetts Rd.
Debra Stake	**Site Address:**
175 Cabot Street, Suite 400	
Lowell	**PO Number:**
MA	**State:** New Hampshire
01854-	**State Cert. No.:** 295301
ph: (978) 937-9999 fax:	**Date Reported:** 6/11/2008

This Report Contains A Total Of 45 Pages

Excluding This Page

And

Chain Of Custody

6/11/2008

Joann Marroquin
Project Manager

Date

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Case Narrative for:

Enovis, Inc.

Certificate of Analysis Number:

08051694

Report To:		**Project Name:**	**E101274, Tibbetts Road**
ARCADIS U.S., Inc.		**Site:**	**Tibbetts Rd.**
Debra Stake		**Site Address:**	
175 Cabot Street, Suite 400			
Lowell		**PO Number:**	
MA		**State:**	**New Hampshire**
01854-		**State Cert. No.:**	**295301**
ph: (978) 937-9999	**fax:**	**Date Reported:**	**6/11/2008**

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report (" mg\kg-dry " or " ug\kg-dry ").

Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

Your sample ID "61R" (08051694-02) was randomly selected for use in SPL's quality control program for the Total Nitrate Nitrogen analysis by EPA Method 353.2. The Matrix Spike (MS) recovery was outside of the advisable quality control limits for Batch ID: (R238824) due to matrix interference.

Your sample ID "61R" (08051694-02) was randomly selected for use in SPL's quality control program for the Total Nitrite Nitrogen analysis by EPA Method 353.2. The Matrix Spike (MS) recovery was outside of the advisable quality control limits for Batch ID: (R238865) due to matrix interference.

Some of the percent recoveries and RPD's on the QC report for the MS/MSD may be different than the calculated recoveries and RPD's using the sample result and the MS/MSD results that appear on the report because, the actual raw result is used to perform the calculations for percent recovery and RPD.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

6/11/2008

Joann Marroquin
Senior Project Manager

Date

Test results meet all requirements of NELAC, unless specified in the narrative.

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8880 INTERCHANGE DRIVE
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Enovis, Inc.

Certificate of Analysis Number:

08051694

Report To: ARCADIS U.S., Inc.
Debra Stake
175 Cabot Street, Suite 400

Lowell
MA
01854-
ph: (978) 937-9999 fax: (978) 937-7555

Fax To:

Project Name: E101274, Tibbetts Road
Site: Tibbetts Rd.
Site Address:

PO Number:
State: New Hampshire
State Cert. No.: 295301
Date Reported: 6/11/2008

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
Trip Blank	08051694-01	Water	5/22/2008	5/23/2008 10:00:00 AM	295231	☐
61R	08051694-02	Water	5/22/2008 12:05:00 PM	5/23/2008 10:00:00 AM	295231	☐
73S	08051694-03	Water	5/22/2008 1:30:00 PM	5/23/2008 10:00:00 AM	295231	☐
201R	08051694-04	Water	5/22/2008 12:30:00 PM	5/23/2008 10:00:00 AM	295231	☐
35R	08051694-05	Water	5/22/2008 10:50:00 AM	5/23/2008 10:00:00 AM	295231	☐
75D	08051694-06	Water	5/22/2008 3:10:00 PM	5/23/2008 10:00:00 AM	295231	☐
EW-2S	08051694-07	Water	5/22/2008 3:00:00 PM	5/23/2008 10:00:00 AM	295231	☐

Joann Marroquin
Senior Project Manager

6/11/2008
Date

Richard R. Reed
Laboratory Director

Ted Yen
Quality Assurance Officer

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: Trip Blank | **Collected:** 05/22/2008 0:00 | **SPL Sample ID:** 08051694-01

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	06/03/08 4:54	LT	4478335
1,1,1-Trichloroethane	ND		0.25	5	1	06/03/08 4:54	LT	4478335
1,1,2-Trichloroethane	ND		0.38	5	1	06/03/08 4:54	LT	4478335
1,1-Dichloroethane	ND		0.28	5	1	06/03/08 4:54	LT	4478335
1,1-Dichloroethene	ND		0.5	5	1	06/03/08 4:54	LT	4478335
1,1-Dichloropropene	ND		0.35	5	1	06/03/08 4:54	LT	4478335
1,2-Dibromoethane	ND		0.31	5	1	06/03/08 4:54	LT	4478335
2-Butanone	ND		3.2	20	1	06/03/08 4:54	LT	4478335
2-Hexanone	ND		0.47	10	1	06/03/08 4:54	LT	4478335
4-Methyl-2-pentanone	ND		0.31	10	1	06/03/08 4:54	LT	4478335
Acetone	ND		4.6	100	1	06/03/08 4:54	LT	4478335
Benzene	ND		0.35	5	1	06/03/08 4:54	LT	4478335
Bromodichloromethane	ND		0.25	5	1	06/03/08 4:54	LT	4478335
Bromoform	ND		0.5	5	1	06/03/08 4:54	LT	4478335
Bromomethane	ND		0.78	10	1	06/03/08 4:54	LT	4478335
Carbon disulfide	ND		0.25	5	1	06/03/08 4:54	LT	4478335
Carbon tetrachloride	ND		0.25	5	1	06/03/08 4:54	LT	4478335
Chlorobenzene	ND		0.3	5	1	06/03/08 4:54	LT	4478335
Chloroethane	ND		0.31	10	1	06/03/08 4:54	LT	4478335
Chloroform	ND		0.24	5	1	06/03/08 4:54	LT	4478335
Chloromethane	ND		0.3	10	1	06/03/08 4:54	LT	4478335
Dibromochloromethane	ND		0.36	5	1	06/03/08 4:54	LT	4478335
Dibromomethane	ND		0.3	5	1	06/03/08 4:54	LT	4478335
Ethylbenzene	ND		0.34	5	1	06/03/08 4:54	LT	4478335
Methylene chloride	ND		0.67	5	1	06/03/08 4:54	LT	4478335
Styrene	ND		0.7	5	1	06/03/08 4:54	LT	4478335
Tetrachloroethene	ND		0.49	5	1	06/03/08 4:54	LT	4478335
Toluene	ND		0.25	5	1	06/03/08 4:54	LT	4478335
Trichloroethene	ND		0.25	5	1	06/03/08 4:54	LT	4478335
Vinyl acetate	ND		0.57	10	1	06/03/08 4:54	LT	4478335
Vinyl chloride	ND		0.25	2	1	06/03/08 4:54	LT	4478335
cis-1,2-Dichloroethene	ND		0.48	5	1	06/03/08 4:54	LT	4478335
cis-1,3-Dichloropropene	ND		0.26	5	1	06/03/08 4:54	LT	4478335
m,p-Xylene	ND		0.3	1	1	06/03/08 4:54	LT	4478335
o-Xylene	ND		0.31	1	1	06/03/08 4:54	LT	4478335
trans-1,2-Dichloroethene	ND		0.35	5	1	06/03/08 4:54	LT	4478335
trans-1,3-Dichloropropene	ND		0.31	5	1	06/03/08 4:54	LT	4478335
Xylenes,Total	ND		0.3	1	1	06/03/08 4:54	LT	4478335
Surr: 1,2-Dichloroethane-d4	114		0	% 62-130	1	06/03/08 4:54	LT	4478335

Joann Marroquin
Project Manager

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: Trip Blank | **Collected:** 05/22/2008 0:00 | **SPL Sample ID:** 08051694-01

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 4-Bromofluorobenzene	90.0		0	%	70-130	1	06/03/08 4:54	LT	4478335
Surr: Toluene-d8	100		0	%	74-122	1	06/03/08 4:54	LT	4478335

Joann Marroquin
Project Manager

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 61R **Collected:** 05/22/2008 12:05 **SPL Sample ID:** 08051694-02

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
HEADSPACE GAS ANALYSIS					**MCL**	**RSK147 Units: mg/L**		
Ethane	ND		0.0025	0.0025	1	06/04/08 11:04	E_S1	4481586
Ethylene	ND		0.0032	0.0032	1	06/04/08 11:04	E_S1	4481586
Methane	ND		0.0012	0.0012	1	06/04/08 11:04	E_S1	4481586

Joann Marroquin
Project Manager

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8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 61R **Collected:** 05/22/2008 12:05 **SPL Sample ID:** 08051694-02

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL					**MCL**	**SW6010B Units: mg/L**		
Arsenic	0.0458	J	0.0192	0.1	1	06/09/08 22:11	EG	4490963
Manganese	0.245		0.000957	0.005	1	06/09/08 22:11	EG	4490963

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	06/04/2008 11:45	DDW	1.00

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HOUSTON, TX 77054
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Client Sample ID: 61R **Collected:** 05/22/2008 12:05 **SPL Sample ID:** 08051694-02

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	06/03/08 6:37	LT	4478339
1,1,1-Trichloroethane	ND		0.25	5	1	06/03/08 6:37	LT	4478339
1,1,2-Trichloroethane	ND		0.38	5	1	06/03/08 6:37	LT	4478339
1,1-Dichloroethane	ND		0.28	5	1	06/03/08 6:37	LT	4478339
1,1-Dichloroethene	ND		0.5	5	1	06/03/08 6:37	LT	4478339
1,1-Dichloropropene	ND		0.35	5	1	06/03/08 6:37	LT	4478339
1,2-Dibromoethane	ND		0.31	5	1	06/03/08 6:37	LT	4478339
2-Butanone	ND		3.2	20	1	06/03/08 6:37	LT	4478339
2-Hexanone	ND		0.47	10	1	06/03/08 6:37	LT	4478339
4-Methyl-2-pentanone	ND		0.31	10	1	06/03/08 6:37	LT	4478339
Acetone	ND		4.6	100	1	06/03/08 6:37	LT	4478339
Benzene	2	J	0.35	5	1	06/03/08 6:37	LT	4478339
Bromodichloromethane	ND		0.25	5	1	06/03/08 6:37	LT	4478339
Bromoform	ND		0.5	5	1	06/03/08 6:37	LT	4478339
Bromomethane	ND		0.78	10	1	06/03/08 6:37	LT	4478339
Carbon disulfide	ND		0.25	5	1	06/03/08 6:37	LT	4478339
Carbon tetrachloride	ND		0.25	5	1	06/03/08 6:37	LT	4478339
Chlorobenzene	ND		0.3	5	1	06/03/08 6:37	LT	4478339
Chloroethane	ND		0.31	10	1	06/03/08 6:37	LT	4478339
Chloroform	ND		0.24	5	1	06/03/08 6:37	LT	4478339
Chloromethane	ND		0.3	10	1	06/03/08 6:37	LT	4478339
Dibromochloromethane	ND		0.36	5	1	06/03/08 6:37	LT	4478339
Dibromomethane	ND		0.3	5	1	06/03/08 6:37	LT	4478339
Ethylbenzene	ND		0.34	5	1	06/03/08 6:37	LT	4478339
Methylene chloride	ND		0.67	5	1	06/03/08 6:37	LT	4478339
Styrene	ND		0.7	5	1	06/03/08 6:37	LT	4478339
Tetrachloroethene	ND		0.49	5	1	06/03/08 6:37	LT	4478339
Toluene	2	J	0.25	5	1	06/03/08 6:37	LT	4478339
Trichloroethene	9		0.25	5	1	06/03/08 6:37	LT	4478339
Vinyl acetate	ND		0.57	10	1	06/03/08 6:37	LT	4478339
Vinyl chloride	ND		0.25	2	1	06/03/08 6:37	LT	4478339
cis-1,2-Dichloroethene	7		0.48	5	1	06/03/08 6:37	LT	4478339
cis-1,3-Dichloropropene	ND		0.26	5	1	06/03/08 6:37	LT	4478339
m,p-Xylene	ND		0.3	1	1	06/03/08 6:37	LT	4478339
o-Xylene	ND		0.31	1	1	06/03/08 6:37	LT	4478339
trans-1,2-Dichloroethene	5	J	0.35	5	1	06/03/08 6:37	LT	4478339
trans-1,3-Dichloropropene	ND		0.31	5	1	06/03/08 6:37	LT	4478339
Xylenes,Total	ND		0.3	1	1	06/03/08 6:37	LT	4478339
Surr: 1,2-Dichloroethane-d4	108		0	% 62-130	1	06/03/08 6:37	LT	4478339

Joann Marroquin
Project Manager

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 61R **Collected:** 05/22/2008 12:05 **SPL Sample ID:** 08051694-02

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 4-Bromofluorobenzene	92.0		0	%	70-130	1	06/03/08 6:37	LT	4478339
Surr: Toluene-d8	102		0	%	74-122	1	06/03/08 6:37	LT	4478339

Joann Marroquin
Project Manager

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HOUSTON, TX 77054
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Client Sample ID: 61R **Collected:** 05/22/2008 12:05 **SPL Sample ID:** 08051694-02

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
NITRATE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrate (As N)	ND		0.153	0.5	1	05/23/08 15:14	TW	4458940
NITRITE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrite	ND		0.136	0.5	1	05/23/08 16:27	TW	4459575

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 73S **Collected:** 05/22/2008 13:30 **SPL Sample ID:** 08051694-03

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
HEADSPACE GAS ANALYSIS					**MCL**	**RSK147 Units: mg/L**		
Ethane	ND		0.0025	0.0025	1	06/04/08 11:15	E_S1	4481587
Ethylene	ND		0.0032	0.0032	1	06/04/08 11:15	E_S1	4481587
Methane	ND		0.0012	0.0012	1	06/04/08 11:15	E_S1	4481587

Joann Marroquin
Project Manager

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
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TNTC - Too numerous to count

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8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 73S **Collected:** 05/22/2008 13:30 **SPL Sample ID:** 08051694-03

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B**	**Units: mg/L**		
Arsenic	ND		0.0192	0.1	1	06/09/08 22:48	EG	4490971
Manganese	0.0182		0.000957	0.005	1	06/09/08 22:48	EG	4490971

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	06/04/2008 11:45	DDW	1.00

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 73S **Collected:** 05/22/2008 13:30 **SPL Sample ID:** 08051694-03

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	06/03/08 7:03	LT	4478340
1,1,1-Trichloroethane	ND		0.25	5	1	06/03/08 7:03	LT	4478340
1,1,2-Trichloroethane	ND		0.38	5	1	06/03/08 7:03	LT	4478340
1,1-Dichloroethane	ND		0.28	5	1	06/03/08 7:03	LT	4478340
1,1-Dichloroethene	ND		0.5	5	1	06/03/08 7:03	LT	4478340
1,1-Dichloropropene	ND		0.35	5	1	06/03/08 7:03	LT	4478340
1,2-Dibromoethane	ND		0.31	5	1	06/03/08 7:03	LT	4478340
2-Butanone	ND		3.2	20	1	06/03/08 7:03	LT	4478340
2-Hexanone	ND		0.47	10	1	06/03/08 7:03	LT	4478340
4-Methyl-2-pentanone	ND		0.31	10	1	06/03/08 7:03	LT	4478340
Acetone	17	J	4.6	100	1	06/03/08 7:03	LT	4478340
Benzene	ND		0.35	5	1	06/03/08 7:03	LT	4478340
Bromodichloromethane	ND		0.25	5	1	06/03/08 7:03	LT	4478340
Bromoform	ND		0.5	5	1	06/03/08 7:03	LT	4478340
Bromomethane	ND		0.78	10	1	06/03/08 7:03	LT	4478340
Carbon disulfide	ND		0.25	5	1	06/03/08 7:03	LT	4478340
Carbon tetrachloride	ND		0.25	5	1	06/03/08 7:03	LT	4478340
Chlorobenzene	ND		0.3	5	1	06/03/08 7:03	LT	4478340
Chloroethane	ND		0.31	10	1	06/03/08 7:03	LT	4478340
Chloroform	ND		0.24	5	1	06/03/08 7:03	LT	4478340
Chloromethane	1	J	0.3	10	1	06/03/08 7:03	LT	4478340
Dibromochloromethane	ND		0.36	5	1	06/03/08 7:03	LT	4478340
Dibromomethane	ND		0.3	5	1	06/03/08 7:03	LT	4478340
Ethylbenzene	ND		0.34	5	1	06/03/08 7:03	LT	4478340
Methylene chloride	ND		0.67	5	1	06/03/08 7:03	LT	4478340
Styrene	ND		0.7	5	1	06/03/08 7:03	LT	4478340
Tetrachloroethene	ND		0.49	5	1	06/03/08 7:03	LT	4478340
Toluene	ND		0.25	5	1	06/03/08 7:03	LT	4478340
Trichloroethene	1	J	0.25	5	1	06/03/08 7:03	LT	4478340
Vinyl acetate	ND		0.57	10	1	06/03/08 7:03	LT	4478340
Vinyl chloride	ND		0.25	2	1	06/03/08 7:03	LT	4478340
cis-1,2-Dichloroethene	ND		0.48	5	1	06/03/08 7:03	LT	4478340
cis-1,3-Dichloropropene	ND		0.26	5	1	06/03/08 7:03	LT	4478340
m,p-Xylene	ND		0.3	1	1	06/03/08 7:03	LT	4478340
o-Xylene	ND		0.31	1	1	06/03/08 7:03	LT	4478340
trans-1,2-Dichloroethene	ND		0.35	5	1	06/03/08 7:03	LT	4478340
trans-1,3-Dichloropropene	ND		0.31	5	1	06/03/08 7:03	LT	4478340
Xylenes,Total	ND		0.3	1	1	06/03/08 7:03	LT	4478340
Surr: 1,2-Dichloroethane-d4	110		0	% 62-130	1	06/03/08 7:03	LT	4478340

Joann Marroquin
Project Manager

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
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* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 73S **Collected:** 05/22/2008 13:30 **SPL Sample ID:** 08051694-03

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 4-Bromofluorobenzene	92.0		0	%	70-130	1	06/03/08 7:03	LT	4478340
Surr: Toluene-d8	102		0	%	74-122	1	06/03/08 7:03	LT	4478340

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
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TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 73S **Collected:** 05/22/2008 13:30 **SPL Sample ID:** 08051694-03

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
NITRATE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrate (As N)	0.187	J	0.153	0.5	1	05/23/08 15:14	TW	4458943
NITRITE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrite	0.219	J	0.136	0.5	1	05/23/08 16:27	TW	4459578

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 201R **Collected:** 05/22/2008 12:30 **SPL Sample ID:** 08051694-04

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
HEADSPACE GAS ANALYSIS					**MCL**	**RSK147 Units: mg/L**		
Ethane	ND		0.0025	0.0025	1	06/04/08 11:25	E_S1	4481588
Ethylene	ND		0.0032	0.0032	1	06/04/08 11:25	E_S1	4481588
Methane	0.11		0.0012	0.0012	1	06/04/08 11:25	E_S1	4481588

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 201R **Collected:** 05/22/2008 12:30 **SPL Sample ID:** 08051694-04

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B**	**Units: mg/L**		
Arsenic	ND		0.0192	0.1	1	06/09/08 22:52	EG	4490972
Manganese	0.43		0.000957	0.005	1	06/09/08 22:52	EG	4490972

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	06/04/2008 11:45	DDW	1.00

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
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E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 201R **Collected:** 05/22/2008 12:30 **SPL Sample ID:** 08051694-04

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	06/03/08 7:55	LT	4478342
1,1,1-Trichloroethane	ND		0.25	5	1	06/03/08 7:55	LT	4478342
1,1,2-Trichloroethane	ND		0.38	5	1	06/03/08 7:55	LT	4478342
1,1-Dichloroethane	ND		0.28	5	1	06/03/08 7:55	LT	4478342
1,1-Dichloroethene	1	J	0.5	5	1	06/03/08 7:55	LT	4478342
1,1-Dichloropropene	ND		0.35	5	1	06/03/08 7:55	LT	4478342
1,2-Dibromoethane	ND		0.31	5	1	06/03/08 7:55	LT	4478342
2-Butanone	ND		3.2	20	1	06/03/08 7:55	LT	4478342
2-Hexanone	ND		0.47	10	1	06/03/08 7:55	LT	4478342
4-Methyl-2-pentanone	ND		0.31	10	1	06/03/08 7:55	LT	4478342
Acetone	17	J	4.6	100	1	06/03/08 7:55	LT	4478342
Benzene	180		0.35	5	1	06/03/08 7:55	LT	4478342
Bromodichloromethane	ND		0.25	5	1	06/03/08 7:55	LT	4478342
Bromoform	ND		0.5	5	1	06/03/08 7:55	LT	4478342
Bromomethane	ND		0.78	10	1	06/03/08 7:55	LT	4478342
Carbon disulfide	ND		0.25	5	1	06/03/08 7:55	LT	4478342
Carbon tetrachloride	ND		0.25	5	1	06/03/08 7:55	LT	4478342
Chlorobenzene	ND		0.3	5	1	06/03/08 7:55	LT	4478342
Chloroethane	ND		0.31	10	1	06/03/08 7:55	LT	4478342
Chloroform	ND		0.24	5	1	06/03/08 7:55	LT	4478342
Chloromethane	ND		0.3	10	1	06/03/08 7:55	LT	4478342
Dibromochloromethane	ND		0.36	5	1	06/03/08 7:55	LT	4478342
Dibromomethane	ND		0.3	5	1	06/03/08 7:55	LT	4478342
Ethylbenzene	2	J	0.34	5	1	06/03/08 7:55	LT	4478342
Methylene chloride	ND		0.67	5	1	06/03/08 7:55	LT	4478342
Styrene	ND		0.7	5	1	06/03/08 7:55	LT	4478342
Tetrachloroethene	ND		0.49	5	1	06/03/08 7:55	LT	4478342
Toluene	3	J	0.25	5	1	06/03/08 7:55	LT	4478342
Trichloroethene	4	J	0.25	5	1	06/03/08 7:55	LT	4478342
Vinyl acetate	ND		0.57	10	1	06/03/08 7:55	LT	4478342
Vinyl chloride	ND		0.25	2	1	06/03/08 7:55	LT	4478342
cis-1,2-Dichloroethene	91		0.48	5	1	06/03/08 7:55	LT	4478342
cis-1,3-Dichloropropene	ND		0.26	5	1	06/03/08 7:55	LT	4478342
m,p-Xylene	ND		0.3	1	1	06/03/08 7:55	LT	4478342
o-Xylene	ND		0.31	1	1	06/03/08 7:55	LT	4478342
trans-1,2-Dichloroethene	9		0.35	5	1	06/03/08 7:55	LT	4478342
trans-1,3-Dichloropropene	ND		0.31	5	1	06/03/08 7:55	LT	4478342
Xylenes,Total	ND		0.3	1	1	06/03/08 7:55	LT	4478342
Surr: 1,2-Dichloroethane-d4	108		0	% 62-130	1	06/03/08 7:55	LT	4478342

Joann Marroquin
Project Manager

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
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TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 201R **Collected:** 05/22/2008 12:30 **SPL Sample ID:** 08051694-04

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 4-Bromofluorobenzene	92.0		0	%	70-130	1	06/03/08 7:55	LT	4478342
Surr: Toluene-d8	102		0	%	74-122	1	06/03/08 7:55	LT	4478342

Joann Marroquin
Project Manager

Qualifiers:

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 201R **Collected:** 05/22/2008 12:30 **SPL Sample ID:** 08051694-04

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
NITRATE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrate (As N)	0.177	J	0.153	0.5	1	05/23/08 15:14	TW	4458944
NITRITE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrite	ND		0.136	0.5	1	05/23/08 16:27	TW	4459579

Joann Marroquin
Project Manager

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 35R **Collected:** 05/22/2008 10:50 **SPL Sample ID:** 08051694-05

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
HEADSPACE GAS ANALYSIS					**MCL**	**RSK147 Units: mg/L**		
Ethane	ND		0.0025	0.0025	1	06/04/08 11:37	E_S1	4481589
Ethylene	ND		0.0032	0.0032	1	06/04/08 11:37	E_S1	4481589
Methane	0.035		0.0012	0.0012	1	06/04/08 11:37	E_S1	4481589

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
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* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
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TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 35R **Collected:** 05/22/2008 10:50 **SPL Sample ID:** 08051694-05

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B Units: mg/L**			
Arsenic	ND		0.0192	0.1	1	06/09/08 22:57	EG	4490973
Manganese	0.926		0.000957	0.005	1	06/09/08 22:57	EG	4490973

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	06/04/2008 11:45	DDW	1.00

Joann Marroquin
Project Manager

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 35R **Collected:** 05/22/2008 10:50 **SPL Sample ID:** 08051694-05

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	06/03/08 7:29	LT	4478341
1,1,1-Trichloroethane	ND		0.25	5	1	06/03/08 7:29	LT	4478341
1,1,2-Trichloroethane	ND		0.38	5	1	06/03/08 7:29	LT	4478341
1,1-Dichloroethane	ND		0.28	5	1	06/03/08 7:29	LT	4478341
1,1-Dichloroethene	ND		0.5	5	1	06/03/08 7:29	LT	4478341
1,1-Dichloropropene	ND		0.35	5	1	06/03/08 7:29	LT	4478341
1,2-Dibromoethane	ND		0.31	5	1	06/03/08 7:29	LT	4478341
2-Butanone	ND		3.2	20	1	06/03/08 7:29	LT	4478341
2-Hexanone	ND		0.47	10	1	06/03/08 7:29	LT	4478341
4-Methyl-2-pentanone	ND		0.31	10	1	06/03/08 7:29	LT	4478341
Acetone	ND		4.6	100	1	06/03/08 7:29	LT	4478341
Benzene	6		0.35	5	1	06/03/08 7:29	LT	4478341
Bromodichloromethane	ND		0.25	5	1	06/03/08 7:29	LT	4478341
Bromoform	ND		0.5	5	1	06/03/08 7:29	LT	4478341
Bromomethane	ND		0.78	10	1	06/03/08 7:29	LT	4478341
Carbon disulfide	ND		0.25	5	1	06/03/08 7:29	LT	4478341
Carbon tetrachloride	ND		0.25	5	1	06/03/08 7:29	LT	4478341
Chlorobenzene	ND		0.3	5	1	06/03/08 7:29	LT	4478341
Chloroethane	ND		0.31	10	1	06/03/08 7:29	LT	4478341
Chloroform	ND		0.24	5	1	06/03/08 7:29	LT	4478341
Chloromethane	3	J	0.3	10	1	06/03/08 7:29	LT	4478341
Dibromochloromethane	ND		0.36	5	1	06/03/08 7:29	LT	4478341
Dibromomethane	ND		0.3	5	1	06/03/08 7:29	LT	4478341
Ethylbenzene	ND		0.34	5	1	06/03/08 7:29	LT	4478341
Methylene chloride	ND		0.67	5	1	06/03/08 7:29	LT	4478341
Styrene	ND		0.7	5	1	06/03/08 7:29	LT	4478341
Tetrachloroethene	1	J	0.49	5	1	06/03/08 7:29	LT	4478341
Toluene	ND		0.25	5	1	06/03/08 7:29	LT	4478341
Trichloroethene	4	J	0.25	5	1	06/03/08 7:29	LT	4478341
Vinyl acetate	ND		0.57	10	1	06/03/08 7:29	LT	4478341
Vinyl chloride	ND		0.25	2	1	06/03/08 7:29	LT	4478341
cis-1,2-Dichloroethene	11		0.48	5	1	06/03/08 7:29	LT	4478341
cis-1,3-Dichloropropene	ND		0.26	5	1	06/03/08 7:29	LT	4478341
m,p-Xylene	ND		0.3	1	1	06/03/08 7:29	LT	4478341
o-Xylene	ND		0.31	1	1	06/03/08 7:29	LT	4478341
trans-1,2-Dichloroethene	ND		0.35	5	1	06/03/08 7:29	LT	4478341
trans-1,3-Dichloropropene	ND		0.31	5	1	06/03/08 7:29	LT	4478341
Xylenes,Total	ND		0.3	1	1	06/03/08 7:29	LT	4478341
Surr: 1,2-Dichloroethane-d4	114		0	% 62-130	1	06/03/08 7:29	LT	4478341

Joann Marroquin
Project Manager

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
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MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 35R **Collected:** 05/22/2008 10:50 **SPL Sample ID:** 08051694-05

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 4-Bromofluorobenzene	92.0		0	%	70-130	1	06/03/08 7:29	LT	4478341
Surr: Toluene-d8	102		0	%	74-122	1	06/03/08 7:29	LT	4478341

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
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TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 35R **Collected:** 05/22/2008 10:50 **SPL Sample ID:** 08051694-05

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
NITRATE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrate (As N)	ND		0.153	0.5	1	05/23/08 15:14	TW	4458945
NITRITE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrite	ND		0.136	0.5	1	05/23/08 16:27	TW	4459580

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 75D **Collected:** 05/22/2008 15:10 **SPL Sample ID:** 08051694-06

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
HEADSPACE GAS ANALYSIS					**MCL**	**RSK147 Units: mg/L**		
Ethane	ND		0.0025	0.0025	1	06/04/08 11:48	E_S1	4481590
Ethylene	ND		0.0032	0.0032	1	06/04/08 11:48	E_S1	4481590
Methane	0.0019		0.0012	0.0012	1	06/04/08 11:48	E_S1	4481590

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 75D **Collected:** 05/22/2008 15:10 **SPL Sample ID:** 08051694-06

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B**	**Units: mg/L**		
Arsenic	ND		0.0192	0.1	1	06/09/08 23:01	EG	4490974
Manganese	1.46		0.000957	0.005	1	06/09/08 23:01	EG	4490974

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	06/04/2008 11:45	DDW	1.00

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 75D **Collected:** 05/22/2008 15:10 **SPL Sample ID:** 08051694-06

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	06/03/08 5:19	LT	4478336
1,1,1-Trichloroethane	ND		0.25	5	1	06/03/08 5:19	LT	4478336
1,1,2-Trichloroethane	ND		0.38	5	1	06/03/08 5:19	LT	4478336
1,1-Dichloroethane	ND		0.28	5	1	06/03/08 5:19	LT	4478336
1,1-Dichloroethene	ND		0.5	5	1	06/03/08 5:19	LT	4478336
1,1-Dichloropropene	ND		0.35	5	1	06/03/08 5:19	LT	4478336
1,2-Dibromoethane	ND		0.31	5	1	06/03/08 5:19	LT	4478336
2-Butanone	ND		3.2	20	1	06/03/08 5:19	LT	4478336
2-Hexanone	ND		0.47	10	1	06/03/08 5:19	LT	4478336
4-Methyl-2-pentanone	ND		0.31	10	1	06/03/08 5:19	LT	4478336
Acetone	ND		4.6	100	1	06/03/08 5:19	LT	4478336
Benzene	ND		0.35	5	1	06/03/08 5:19	LT	4478336
Bromodichloromethane	ND		0.25	5	1	06/03/08 5:19	LT	4478336
Bromoform	ND		0.5	5	1	06/03/08 5:19	LT	4478336
Bromomethane	ND		0.78	10	1	06/03/08 5:19	LT	4478336
Carbon disulfide	ND		0.25	5	1	06/03/08 5:19	LT	4478336
Carbon tetrachloride	ND		0.25	5	1	06/03/08 5:19	LT	4478336
Chlorobenzene	ND		0.3	5	1	06/03/08 5:19	LT	4478336
Chloroethane	ND		0.31	10	1	06/03/08 5:19	LT	4478336
Chloroform	ND		0.24	5	1	06/03/08 5:19	LT	4478336
Chloromethane	2	J	0.3	10	1	06/03/08 5:19	LT	4478336
Dibromochloromethane	ND		0.36	5	1	06/03/08 5:19	LT	4478336
Dibromomethane	ND		0.3	5	1	06/03/08 5:19	LT	4478336
Ethylbenzene	ND		0.34	5	1	06/03/08 5:19	LT	4478336
Methylene chloride	ND		0.67	5	1	06/03/08 5:19	LT	4478336
Styrene	ND		0.7	5	1	06/03/08 5:19	LT	4478336
Tetrachloroethene	4	J	0.49	5	1	06/03/08 5:19	LT	4478336
Toluene	ND		0.25	5	1	06/03/08 5:19	LT	4478336
Trichloroethene	ND		0.25	5	1	06/03/08 5:19	LT	4478336
Vinyl acetate	ND		0.57	10	1	06/03/08 5:19	LT	4478336
Vinyl chloride	ND		0.25	2	1	06/03/08 5:19	LT	4478336
cis-1,2-Dichloroethene	72		0.48	5	1	06/03/08 5:19	LT	4478336
cis-1,3-Dichloropropene	ND		0.26	5	1	06/03/08 5:19	LT	4478336
m,p-Xylene	ND		0.3	1	1	06/03/08 5:19	LT	4478336
o-Xylene	ND		0.31	1	1	06/03/08 5:19	LT	4478336
trans-1,2-Dichloroethene	ND		0.35	5	1	06/03/08 5:19	LT	4478336
trans-1,3-Dichloropropene	ND		0.31	5	1	06/03/08 5:19	LT	4478336
Xylenes,Total	ND		0.3	1	1	06/03/08 5:19	LT	4478336
Surr: 1,2-Dichloroethane-d4	114		0	% 62-130	1	06/03/08 5:19	LT	4478336

Joann Marroquin
Project Manager

Qualifiers:
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>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 75D **Collected:** 05/22/2008 15:10 **SPL Sample ID:** 08051694-06

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 4-Bromofluorobenzene	98.0		0	%	70-130	1	06/03/08 5:19	LT	4478336
Surr: Toluene-d8	96.0		0	%	74-122	1	06/03/08 5:19	LT	4478336

Joann Marroquin
Project Manager

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 75D **Collected:** 05/22/2008 15:10 **SPL Sample ID:** 08051694-06

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
NITRATE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrate (As N)	ND		0.153	0.5	1	05/23/08 15:14	TW	4458946
NITRITE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrite	ND		0.136	0.5	1	05/23/08 16:27	TW	4459581

Joann Marroquin
Project Manager

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>MCL - Result Over Maximum Contamination Limit(MCL)
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TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: EW-2S **Collected:** 05/22/2008 15:00 **SPL Sample ID:** 08051694-07

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
HEADSPACE GAS ANALYSIS					**MCL**	**RSK147 Units: mg/L**		
Ethane	ND		0.0025	0.0025	1	06/04/08 11:58	E_S1	4481591
Ethylene	ND		0.0032	0.0032	1	06/04/08 11:58	E_S1	4481591
Methane	ND		0.0012	0.0012	1	06/04/08 11:58	E_S1	4481591

Joann Marroquin
Project Manager

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B/V - Analyte detected in the associated Method Blank above Rep.Limit
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TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: EW-2S **Collected:** 05/22/2008 15:00 **SPL Sample ID:** 08051694-07

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B**	**Units: mg/L**		
Arsenic	ND		0.0192	0.1	1	06/09/08 23:06	EG	4490975
Manganese	0.445		0.000957	0.005	1	06/09/08 23:06	EG	4490975

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	06/04/2008 11:45	DDW	1.00

Joann Marroquin
Project Manager

Qualifiers:

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: EW-2S **Collected:** 05/22/2008 15:00 **SPL Sample ID:** 08051694-07

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	06/03/08 8:21	LT	4478343
1,1,1-Trichloroethane	ND		0.25	5	1	06/03/08 8:21	LT	4478343
1,1,2-Trichloroethane	ND		0.38	5	1	06/03/08 8:21	LT	4478343
1,1-Dichloroethane	ND		0.28	5	1	06/03/08 8:21	LT	4478343
1,1-Dichloroethene	ND		0.5	5	1	06/03/08 8:21	LT	4478343
1,1-Dichloropropene	ND		0.35	5	1	06/03/08 8:21	LT	4478343
1,2-Dibromoethane	ND		0.31	5	1	06/03/08 8:21	LT	4478343
2-Butanone	ND		3.2	20	1	06/03/08 8:21	LT	4478343
2-Hexanone	ND		0.47	10	1	06/03/08 8:21	LT	4478343
4-Methyl-2-pentanone	ND		0.31	10	1	06/03/08 8:21	LT	4478343
Acetone	ND		4.6	100	1	06/03/08 8:21	LT	4478343
Benzene	ND		0.35	5	1	06/03/08 8:21	LT	4478343
Bromodichloromethane	ND		0.25	5	1	06/03/08 8:21	LT	4478343
Bromoform	ND		0.5	5	1	06/03/08 8:21	LT	4478343
Bromomethane	ND		0.78	10	1	06/03/08 8:21	LT	4478343
Carbon disulfide	ND		0.25	5	1	06/03/08 8:21	LT	4478343
Carbon tetrachloride	ND		0.25	5	1	06/03/08 8:21	LT	4478343
Chlorobenzene	ND		0.3	5	1	06/03/08 8:21	LT	4478343
Chloroethane	ND		0.31	10	1	06/03/08 8:21	LT	4478343
Chloroform	ND		0.24	5	1	06/03/08 8:21	LT	4478343
Chloromethane	ND		0.3	10	1	06/03/08 8:21	LT	4478343
Dibromochloromethane	ND		0.36	5	1	06/03/08 8:21	LT	4478343
Dibromomethane	ND		0.3	5	1	06/03/08 8:21	LT	4478343
Ethylbenzene	8		0.34	5	1	06/03/08 8:21	LT	4478343
Methylene chloride	ND		0.67	5	1	06/03/08 8:21	LT	4478343
Styrene	ND		0.7	5	1	06/03/08 8:21	LT	4478343
Tetrachloroethene	ND		0.49	5	1	06/03/08 8:21	LT	4478343
Toluene	ND		0.25	5	1	06/03/08 8:21	LT	4478343
Trichloroethene	ND		0.25	5	1	06/03/08 8:21	LT	4478343
Vinyl acetate	ND		0.57	10	1	06/03/08 8:21	LT	4478343
Vinyl chloride	ND		0.25	2	1	06/03/08 8:21	LT	4478343
cis-1,2-Dichloroethene	ND		0.48	5	1	06/03/08 8:21	LT	4478343
cis-1,3-Dichloropropene	ND		0.26	5	1	06/03/08 8:21	LT	4478343
m,p-Xylene	3		0.3	1	1	06/03/08 8:21	LT	4478343
o-Xylene	ND		0.31	1	1	06/03/08 8:21	LT	4478343
trans-1,2-Dichloroethene	ND		0.35	5	1	06/03/08 8:21	LT	4478343
trans-1,3-Dichloropropene	ND		0.31	5	1	06/03/08 8:21	LT	4478343
Xylenes,Total	3		0.3	1	1	06/03/08 8:21	LT	4478343
Surr: 1,2-Dichloroethane-d4	112		0	% 62-130	1	06/03/08 8:21	LT	4478343

Joann Marroquin
Project Manager

Qualifiers:
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: EW-2S **Collected:** 05/22/2008 15:00 **SPL Sample ID:** 08051694-07

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 4-Bromofluorobenzene	92.0		0	%	70-130	1	06/03/08 8:21	LT	4478343
Surr: Toluene-d8	100		0	%	74-122	1	06/03/08 8:21	LT	4478343

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: EW-2S **Collected:** 05/22/2008 15:00 **SPL Sample ID:** 08051694-07

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
NITRATE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrate (As N)	ND		0.153	0.5	1	05/23/08 15:14	TW	4458947
NITRITE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrite	ND		0.136	0.5	1	05/23/08 16:27	TW	4459582

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
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Quality Control Documentation

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Headspace Gas Analysis** **WorkOrder:** **08051694**
Method: **RSK147** **Lab Batch ID:** **R240110**

Method Blank

RunID: VARC_080604A-4481592 Units: mg/L
Analysis Date: 06/04/2008 12:08 Analyst: E_S1

Analyte	Result	Qual	Rep Limit	MDL
Ethane	ND		0.0025	0.0025
Ethylene	ND		0.0032	0.0032
Methane	ND		0.0012	0.0012

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08051694-02B	61R
08051694-03B	73S
08051694-04B	201R
08051694-05B	35R
08051694-06B	75D
08051694-07B	EW-2S

Sample Duplicate

Original Sample: 08051597-05
RunID: VARC_080604A-4481575 Units: mg/L
Analysis Date: 06/04/2008 8:26 Analyst: E_S1

Analyte	Sample Result	DUP Result	Qual	RPD	RPD Limit
Ethane	ND	ND		0	50
Ethylene	ND	ND		0	50
Methane	0.21	0.199		5.6	50

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Metals by Method 6010B, Total** **WorkOrder:** **08051694**
Method: **SW6010B** **Lab Batch ID:** **79898**

Method Blank

RunID: TJA_080609A-4490961 Units: mg/L
Analysis Date: 06/09/2008 22:02 Analyst: EG
Preparation Date: 06/04/2008 11:45 Prep By: DD Method SW3010A

Analyte	Result	Qual	Rep Limit	MDL
Arsenic	ND		0.1	0.0192
Manganese	ND		0.005	0.000957

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08051694-02C	61R
08051694-03C	73S
08051694-04C	201R
08051694-05C	35R
08051694-06C	75D
08051694-07C	EW-2S

Laboratory Control Sample (LCS)

RunID: TJA_080609A-4490962 Units: mg/L
Analysis Date: 06/09/2008 22:07 Analyst: EG
Preparation Date: 06/04/2008 11:45 Prep By: DD Method SW3010A

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
Arsenic	1.000	0.9927	99.27		80	120
Manganese	1.000	1.029	102.9		80	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08051694-02
RunID: TJA_080609A-4490964 Units: mg/L
Analysis Date: 06/09/2008 22:16 Analyst: EG
Preparation Date: 06/04/2008 11:45 Prep By: DD Method SW3010A

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
Arsenic	0.04576	J	1	1.043	99.71		1	0.9837	93.80		5.833		20	75	125
Manganese	0.2447		1	1.265	102.0		1	1.226	98.16		3.100		20	75	125

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08051694**
Method: **SW8260B** **Lab Batch ID:** **R239889**

Method Blank

RunID: N_080602D-4478330 Units: ug/L
Analysis Date: 06/03/2008 0:35 Analyst: LT
Preparation Date: 06/03/2008 0:35 Prep By: Method

Analyte	Result	Qual	Rep Limit	MDL
1,1,1,2-Tetrachloroethane	ND		5.0	0.42
1,1,1-Trichloroethane	ND		5.0	0.25
1,1,2-Trichloroethane	ND		5.0	0.38
1,1-Dichloroethane	ND		5.0	0.28
1,1-Dichloroethene	ND		5.0	0.5
1,1-Dichloropropene	ND		5.0	0.35
1,2-Dibromoethane	ND		5.0	0.31
2-Butanone	ND		20	3.2
2-Hexanone	ND		10	0.47
4-Methyl-2-pentanone	ND		10	0.31
Acetone	ND		100	4.6
Benzene	ND		5.0	0.35
Bromodichloromethane	ND		5.0	0.25
Bromoform	ND		5.0	0.5
Bromomethane	ND		10	0.78
Carbon disulfide	ND		5.0	0.25
Carbon tetrachloride	ND		5.0	0.25
Chlorobenzene	ND		5.0	0.3
Chloroethane	ND		10	0.31
Chloroform	ND		5.0	0.24
Chloromethane	ND		10	0.3
Dibromochloromethane	ND		5.0	0.36
Dibromomethane	ND		5.0	0.3
Ethylbenzene	ND		5.0	0.34
Methylene chloride	ND		5.0	0.67
Styrene	ND		5.0	0.7
Tetrachloroethene	ND		5.0	0.49
Toluene	ND		5.0	0.25
Trichloroethene	ND		5.0	0.25
Vinyl acetate	ND		10	0.57
Vinyl chloride	ND		2.0	0.25
cis-1,2-Dichloroethene	ND		5.0	0.48
cis-1,3-Dichloropropene	ND		5.0	0.26
m,p-Xylene	ND		1.0	0.3
o-Xylene	ND		1.0	0.31
trans-1,2-Dichloroethene	ND		5.0	0.35
trans-1,3-Dichloropropene	ND		5.0	0.31
Xylenes,Total	ND		1.0	0.3
Surr: 1,2-Dichloroethane-d4	108.0		62-130	0
Surr: 4-Bromofluorobenzene	90.0		70-130	0
Surr: Toluene-d8	102.0		74-122	0

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08051694-01A	Trip Blank
08051694-02A	61R
08051694-03A	73S
08051694-04A	201R
08051694-05A	35R
08051694-06A	75D
08051694-07A	EW-2S

Laboratory Control Sample (LCS)

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
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(713) 660-0901

Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08051694**
Method: **SW8260B** **Lab Batch ID:** **R239889**

RunID: N_080602D-4478329 Units: ug/L
Analysis Date: 06/02/2008 23:44 Analyst: LT
Preparation Date: 06/02/2008 23:44 Prep By: Method

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
1,1,1,2-Tetrachloroethane	20.0	20.0	100		71	136
1,1,1-Trichloroethane	20.0	20.0	100		66	132
1,1,2-Trichloroethane	20.0	19.0	95.0		70	130
1,1-Dichloroethane	20.0	19.0	95.0		67	131
1,1-Dichloroethene	20.0	20.0	100		71	146
1,1-Dichloropropene	20.0	20.0	100		59	138
1,2-Dibromoethane	20.0	20.0	100		63	126
2-Butanone	120	87.0	72.5		20	235
2-Hexanone	20.0	18.0	90.0		34	182
4-Methyl-2-pentanone	20.0	19.0	95.0		11	145
Acetone	200	160	80.0		13	386
Benzene	20.0	19.0	95.0		76	126
Bromodichloromethane	20.0	21.0	105		77	138
Bromoform	20.0	19.0	95.0		55	129
Bromomethane	20.0	20.0	100		58	148
Carbon disulfide	20.0	19.0	95.0		46	146
Carbon tetrachloride	20.0	21.0	105		66	137
Chlorobenzene	20.0	19.0	95.0		67	136
Chloroethane	20.0	20.0	100		50	137
Chloroform	20.0	19.0	95.0		70	135
Chloromethane	20.0	18.0	90.0		51	140
Dibromochloromethane	20.0	19.0	95.0		69	127
Dibromomethane	20.0	20.0	100		74	130
Ethylbenzene	20.0	18.0	90.0		67	122
Methylene chloride	20.0	18.0	90.0		52	143
Styrene	20.0	16.0	80.0		60	139
Tetrachloroethene	20.0	22.0	110		26	200
Toluene	20.0	20.0	100		70	131
Trichloroethene	20.0	20.0	100		64	137
Vinyl acetate	20.0	16.0	80.0		10	193
Vinyl chloride	20.0	21.0	105		31	147
cis-1,2-Dichloroethene	20.0	20.0	100		70	142
cis-1,3-Dichloropropene	20.0	20.0	100		61	134
m,p-Xylene	40.0	37.0	92.5		72	150
o-Xylene	20.0	19.0	95.0		78	141

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
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N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis:	**Volatile Organics by Method 8260B**	**WorkOrder:**	**08051694**
Method:	**SW8260B**	**Lab Batch ID:**	**R239889**

Laboratory Control Sample (LCS)

RunID:	N_080602D-4478329	Units:	ug/L
Analysis Date:	06/02/2008 23:44	Analyst:	LT
Preparation Date:	06/02/2008 23:44	Prep By:	Method

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
trans-1,2-Dichloroethene	20.0	19.0	95.0		67	141
trans-1,3-Dichloropropene	20.0	20.0	100		56	136
Xylenes,Total	60	56	93		72	150
Surr: 1,2-Dichloroethane-d4	50.0	52	104		62	130
Surr: 4-Bromofluorobenzene	50.0	53	106		70	130
Surr: Toluene-d8	50.0	52	104		74	122

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked:	08051694-06		
RunID:	N_080602D-4478337	Units:	ug/L
Analysis Date:	06/03/2008 5:45	Analyst:	LT

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
1,1,1,2-Tetrachloroethane	ND		20	20.0	100		20	18.0	90.0		10.5		20	35	175
1,1,1-Trichloroethane	ND		20	21.0	105		20	20.0	100		4.88		20	35	175
1,1,2-Trichloroethane	ND		20	20.0	100		20	18.0	90.0		10.5		20	35	175
1,1-Dichloroethane	ND		20	19.0	95.0		20	18.0	90.0		5.41		20	35	175
1,1-Dichloroethene	ND		20	21.0	105		20	19.0	95.0		10.0		22	61	145
1,1-Dichloropropene	ND		20	19.0	95.0		20	18.0	90.0		5.41		20	35	175
1,2-Dibromoethane	ND		20	20.0	100		20	19.0	95.0		5.13		20	35	175
2-Butanone	ND		20	20.0	100		20	20.0	100		0		20	10	230
2-Hexanone	ND		20	18.0	90.0		20	20.0	100		10.5		20	10	250
4-Methyl-2-pentanone	ND		20	20.0	100		20	20.0	100		0		20	10	175
Acetone	ND		100	120	120		100	120	120		0		20	10	400
Benzene	ND		20	20.0	100		20	19.0	95.0		5.13		22	76	127
Bromodichloromethane	ND		20	21.0	105		20	19.0	95.0		10.0		20	35	175
Bromoform	ND		20	17.0	85.0		20	16.0	80.0		6.06		20	35	175
Bromomethane	ND		20	21.0	105		20	18.0	90.0		15.4		20	35	175
Carbon disulfide	ND		20	18.0	90.0		20	17.0	85.0		5.71		20	30	225
Carbon tetrachloride	ND		20	20.0	100		20	19.0	95.0		5.13		20	35	175

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08051694**
Method: **SW8260B** **Lab Batch ID:** **R239889**

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08051694-06
RunID: N_080602D-4478337 Units: ug/L
Analysis Date: 06/03/2008 5:45 Analyst: LT

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
Chlorobenzene	ND		20	20.0	100		20	19.0	95.0		5.13		21	70	130
Chloroethane	ND		20	21.0	105		20	18.0	90.0		15.4		20	35	175
Chloroform	ND		20	20.0	100		20	18.0	90.0		10.5		20	35	175
Chloromethane	2.00	J	20	16.0	70.0		20	15.0	65.0		6.45		20	35	175
Dibromochloromethane	ND		20	18.0	90.0		20	17.0	85.0		5.71		20	35	175
Dibromomethane	ND		20	20.0	100		20	19.0	95.0		5.13		20	35	175
Ethylbenzene	ND		20	19.0	95.0		20	18.0	90.0		5.41		20	35	175
Methylene chloride	ND		20	20.0	100		20	18.0	90.0		10.5		20	35	175
Styrene	ND		20	17.0	85.0		20	17.0	85.0		0		20	35	175
Tetrachloroethene	4.00	J	20	23.0	95.0		20	21.0	85.0		9.09		20	30	250
Toluene	ND		20	20.0	100		20	18.0	90.0		10.5		24	70	131
Trichloroethene	ND		20	21.0	105		20	20.0	100		4.88		21	60	140
Vinyl acetate	ND		20	15.0	75.0		20	14.0	70.0		6.90		20	10	250
Vinyl chloride	ND		20	19.0	95.0		20	18.0	90.0		5.41		20	35	175
cis-1,2-Dichloroethene	72.0		20	94.0	110		20	86.0	70.0		8.89		20	35	175
cis-1,3-Dichloropropene	ND		20	20.0	100		20	19.0	95.0		5.13		20	35	175
m,p-Xylene	ND		40	38.0	95.0		40	35.0	87.5		8.22		20	35	175
o-Xylene	ND		20	20.0	100		20	18.0	90.0		10.5		20	35	175
trans-1,2-Dichloroethene	ND		20	19.0	95.0		20	18.0	90.0		5.41		20	35	175
trans-1,3-Dichloropropene	ND		20	20.0	100		20	18.0	90.0		10.5		20	35	175
Xylenes,Total	ND		60	58	97		60	53	88		9.0		20	35	175
Surr: 1,2-Dichloroethane-d4	ND		50	53	106		50	52.0	104		1.90		30	62	130
Surr: 4-Bromofluorobenzene	ND		50	51	102		50	51.0	102		0		30	70	130
Surr: Toluene-d8	ND		50	51	102		50	51.0	102		0		30	74	122

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Nitrate Nitrogen (as N), Total** **WorkOrder:** **08051694**
Method: **E353.2** **Lab Batch ID:** **R238824**

Method Blank

RunID: WET_080523W-4458936 Units: mg/L
Analysis Date: 05/23/2008 15:14 Analyst: TW

Analyte	Result	Qual	Rep Limit	MDL
Nitrogen,Nitrate (As N)	ND		0.50	0.153

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08051694-02D	61R
08051694-03D	73S
08051694-04D	201R
08051694-05D	35R
08051694-06D	75D
08051694-07D	EW-2S

Laboratory Control Sample (LCS)

RunID: WET_080523W-4458937 Units: mg/L
Analysis Date: 05/23/2008 15:14 Analyst: TW

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
Nitrogen,Nitrate (As N)	5.000	5.374	107.5		90	110

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08051694-02
RunID: WET_080523W-4458941 Units: mg/L
Analysis Date: 05/23/2008 15:14 Analyst: TW

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
Nitrogen,Nitrate (As N)	ND		5	4.279	85.58	*	5	4.636	92.71		8.001		20	90	110

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Nitrite Nitrogen (as N), Total** **WorkOrder:** **08051694**
Method: **E353.2** **Lab Batch ID:** **R238865**

Method Blank

RunID: WET_080523Z-4459572 Units: mg/L
Analysis Date: 05/23/2008 16:27 Analyst: TW

Analyte	Result	Qual	Rep Limit	MDL
Nitrogen,Nitrite	ND		0.50	0.136

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08051694-02D	61R
08051694-03D	73S
08051694-04D	201R
08051694-05D	35R
08051694-06D	75D
08051694-07D	EW-2S

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08051694-02
RunID: WET_080523Z-4459576 Units: mg/L
Analysis Date: 05/23/2008 16:27 Analyst: TW

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
Nitrogen,Nitrite	ND		5	4.302	86.04	*	5	4.817	96.35		11.30		20	90	110

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

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Sample Receipt Checklist

And

Chain of Custody

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Sample Receipt Checklist

Workorder:	**08051694**	Received By:	**L_C**
Date and Time Received:	**5/23/2008 10:00:00 AM**	Carrier name:	**Fedex-Priority**
Temperature:	**3.5°C**	Chilled by:	**Water Ice**

1.	**Shipping container/cooler in good condition?**	Yes ☑	No ☐	Not Present ☐
2.	**Custody seals intact on shippping container/cooler?**	Yes ☑	No ☐	Not Present ☐
3.	**Custody seals intact on sample bottles?**	Yes ☐	No ☐	Not Present ☑
4.	**Chain of custody present?**	Yes ☑	No ☐	
5.	**Chain of custody signed when relinquished and received?**	Yes ☑	No ☐	
6.	**Chain of custody agrees with sample labels?**	Yes ☑	No ☐	
7.	**Samples in proper container/bottle?**	Yes ☑	No ☐	
8.	**Sample containers intact?**	Yes ☑	No ☐	
9.	**Sufficient sample volume for indicated test?**	Yes ☑	No ☐	
10.	**All samples received within holding time?**	Yes ☑	No ☐	
11.	**Container/Temp Blank temperature in compliance?**	Yes ☑	No ☐	
12.	**Water - VOA vials have zero headspace?**	Yes ☑	No ☐	VOA Vials Not Present ☐
13.	**Water - Preservation checked upon receipt (except VOA*)?**	Yes ☑	No ☐	Not Applicable ☐

***VOA Preservation Checked After Sample Analysis**

SPL Representative: _____ **Contact Date & Time:** _____

Client Name Contacted: _____

Non Conformance Issues: _____

Client Instructions: _____

SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No. 295231

08057694

page 1 of 1

Client Name: ARCADIS
Address: 175 Cabot St #400 lowell MA 01854
Phone/Fax: 978-937-9999
Client Contact: Debra Stake Email:
Project Name/No.: Ford MA000725
Site Name: Tibbetts
Site Location: Tibbetts Rd
Invoice To: Ph:

matrix: W=water S=soil SL=sludge O=oil X=other
bottle: P=plastic A=amber glass G=glass V=vial X=other
size: 1=1 liter 4=4oz 8=8oz 16=16oz 40=vial X=other
pres.: 1=HCl 2=HNO3 3=H2SO4 X=other

Requested Analysis

SAMPLE ID	DATE	TIME	comp	grab	matrix	bottle	size	pres.	Number of Containers	VOC 8260B	As, Mn 7010B	NO3/NO2 E300	Ethene, Ethane, Methane RSK-147					
Trip Blank	—	—	—		W	V	40	1	2	✓								
61R	5/22/08	1205		✓	W	V	1/40/16	1/2/x	8	✓	✓	✓	✓					
73S	5/22/08	1330		✓	W	V	1/40/16	1/2/x	8	✓	✓	✓	✓					
201R	5.22.08	1230		✓	W	V	1/40/16	1/2/x	8	✓	✓	✓	✓					
35R	5.22.08	1050		✓	W	V	1/40/16	1/2/x	8	✓	✓	✓	✓					
75D	5.22.08	1510		✓	W	V	1/40/16	1/2/x	8	✓	✓	✓	✓					
EW-2S	5.22.08	1500		✓	W	V	1/40/16	1/2/x	8	✓	✓	✓	✓					

Client/Consultant Remarks:
ENOVIS project # E101274

Laboratory remarks:

RUSH

Intact? ☑ Y ☐ N
Ice? ☑ Y ☐ N
Temp: 3.5°C

Requested TAT

Contract ☐ 72hr ☐
24hr ☐ Standard ☒
48hr ☐
Other ☐ _____

Special Reporting Requirements Results: Fax ☐ Email ☐ PDF ☐
Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐ TX TRRP ☐ LA RECAP ☐

Special Detection Limits (specify):

PM review (initial):

	date	time		
1. Relinquished by Sampler:	5.22.08	1700	2. Received by:	
3. Relinquished by:			4. Received by:	
5. Relinquished by:	5/23/08	10:00	6. Received by Laboratory:	

☒ 8880 Interchange Drive
Houston, TX 77054 (713) 660-0901

☐ 500 Ambassador Caffery Parkway
Scott, LA 70583 (337) 237-4775

☐ 459 Hughes Drive
Traverse City, MI 49686 (231) 947-5777

June 17, 2008

Debra Stake
ARCADIS
175 Cabot Street, Suite 400
Lowell, MA US 01854

Enovis project ID: E101274
Project: Tibbetts Rd. sampling
Project number: MA000725
Laboratory: Southern Petroleum Laboratory (SPL) - Houston
Laboratory submittal: 08051781
Sample date: 2008-05-23
Report received by Enovis: 2008-06-16
Initial Data Verification completed by Enovis: 2008-06-17

Data verification for the report specified above was completed using the Ford Motor Company Environmental Laboratory Technical Specification, the Enovis Standard Operating Procedure for the Verification of Environmental Analytical Data and the associated analytical methods as references for evaluating the batch QC, sample data and report content. The EPA National Functional Guidelines for validating organic and inorganic data were used as guidance when addressing out of control QC results and the associated data qualifiers.

8 Water sample(s) were analyzed for GCMS VOC, GC VOC, Metals and General Chemistry parameter(s). 1 Trip Blank sample(s) were analyzed for GCMS VOC parameter(s).

Sample/MS/MSD Surrogate Recovery, Blank/LCS Surrogate Recovery, LCS/LCD Recovery, MS/MSD Recovery, MS/MSD RPD, Sample Duplicate RPD, Blank Contamination and Hold Time Exception were reviewed as part of our verification.

Refer to the attached Sampling and Analysis Summary table.

Trip Blank results were all reported non-detect. No qualification required.

Analytical results reported between RDL and MDL are flagged 'J' and considered estimated values.

The following minor QC exceptions or missing information were noted:

GCMS VOC MS/MSD for Benzene recovered slightly low (1%) outside of the labs acceptance window in QC batch R239302. The sample result was reported above the RDL. The sample was project specific 08051781. No qualification required.

GCMS VOC MS/MSD for cis-1,2-Dichloroethene was not not calculable in QC batch R239302. The sample concentration was greater than 4x the spike. The sample was project specific 08051781-02. No qualification required.

Nitrate/Nitrite MS and/or MSD recovered low outside of the labs acceptance window in QC batch R239242/R239273. The sample was project specific 08051781-02.

The Nitrate result was reported between the MDL and RDL and is flagged J as an estimated value. No further qualification required.

The Nitrite result was reported non-detect. The MSD and MS/MSD RPD were in control. No qualification required.

The definitions of the qualifiers used for this data package are defined in the analytical report. Enovis valid qualifiers are defined in the table below. To view and download a PDF copy of the laboratory's analytical report access the Enovis CLMS at http://enovis-inc.com/enovis53/index.cfm.

Please contact me if you have any questions.

Sincerely,

Tim Abston

Project Scientist

Enovis Valid Qualifiers

Valid Qualifiers	Description
<	Less than the reported concentration.
>	Greater than the reported concentration.
B	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was greater than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the reported concentration. For Inorganic methods the sample concentration was greater than the RDL and less than 10x the blank concentration and is considered non-detect at the reported concentration.
E	The analyte / Compound reported exceeds the calibration range and is considered estimated.
EMPC	Estimated Minimum Potential Contamination - Dioxin/Furan analyses only
J	Indicates an estimated value. This flag is used either when estimating a concentration for a tentatively identified compound or when the data indicates the presence of an analyte / compound but the result is less than the sample Quantitation limit, but greater than zero. The flag is also used in data validation to indicate a reported value should be considered estimated due to associated quality assurance deficiencies.
JH	The sample result is considered estimated and is potentially biased high.
JL	The sample result is considered estimated and is potentially biased low.
NJ	Tentatively identified compound with approximated concentration.
R	Indicates the value is considered to be unusable. (Note: The analyte / compound may or may not be present.)
TNTC	Too Numerous to Count - Asbestos and Microbiological Results
U	Indicates that the analyte / compound was analyzed for, but not detected.
UB	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was less than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the RDL. For Inorganic methods the sample concentration was less than the RDL and less than 10x the blank concentration and is considered non-detect at the RDL.
UJ	The analyte / compound was not detected above the reported sample Quantitation limit. However, the Quantitation limit is considered to be approximate due to associated quality assurance results and may or may not represent the actual limit of Quantitation to accurately and precisely report the analyte in the sample.

SAMPLING AND ANALYSIS SUMMARY

Enovis Project ID: E101274
Laboratory: Southern Petroleum Laboratory (SPL)-Houston
Laboratory Submittal: 08051781

Lab Sample ID	Sample ID	Collection Date (mm/yy/dd)	Collection Time (hh:mm:ss)	Volatile Organics by GCMS	Headspace Gases	Metals by ICP Spectroscopy	Nitrate-Nitrite	Comment
08051781-01A	Trip Blank	5/23/2008	12:00:00	X				
08051781-02A	265R	5/23/2008	8:55:00	X				
08051781-02B	265R	5/23/2008	8:55:00			X		
08051781-02C	265R	5/23/2008	8:55:00				X	
08051781-02D	265R	5/23/2008	8:55:00		X			
08051781-03A	65R	5/23/2008	9:55:00	X				
08051781-03B	65R	5/23/2008	9:55:00			X		
08051781-03C	65R	5/23/2008	9:55:00				X	
08051781-03D	65R	5/23/2008	9:55:00		X			
08051781-04A	57S	5/23/2008	10:40:00	X				
08051781-04B	57S	5/23/2008	10:40:00			X		
08051781-04C	57S	5/23/2008	10:40:00				X	
08051781-04D	57S	5/23/2008	10:40:00		X			
08051781-05A	67R	5/23/2008	12:05:00	X				
08051781-05B	67R	5/23/2008	12:05:00			X		
08051781-05C	67R	5/23/2008	12:05:00				X	
08051781-05D	67R	5/23/2008	12:05:00		X			
08051781-06A	157S	5/23/2008	11:40:00	X				
08051781-06B	157S	5/23/2008	11:40:00			X		
08051781-06C	157S	5/23/2008	11:40:00				X	
08051781-06D	157S	5/23/2008	11:40:00		X			
08051781-07A	103R	5/23/2008	2:10:00	X				
08051781-07B	103R	5/23/2008	2:10:00			X		
08051781-07C	103R	5/23/2008	2:10:00				X	
08051781-07D	103R	5/23/2008	2:10:00		X			
08051781-08A	106R	5/23/2008	11:50:00	X				
08051781-08B	106R	5/23/2008	11:50:00			X		
08051781-08C	106R	5/23/2008	11:50:00				X	
08051781-08D	106R	5/23/2008	11:50:00		X			
08051781-09A	63R	5/23/2008	2:20:00	X				
08051781-09B	63R	5/23/2008	2:20:00			X		
08051781-09C	63R	5/23/2008	2:20:00				X	
08051781-09D	63R	5/23/2008	2:20:00		X			

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Enovis, Inc.

Certificate of Analysis Number:

08051781

Report To:	**Project Name:** E101274, Tibbetts Road
ARCADIS U.S., Inc.	**Site:** Tibbetts Rd.
Debra Stake	**Site Address:**
175 Cabot Street, Suite 400	
Lowell	**PO Number:**
MA	**State:** New Hampshire
01854-	**State Cert. No.:** 295301
ph: (978) 937-9999 fax:	**Date Reported:** 6/13/2008

This Report Contains A Total Of 55 Pages

Excluding This Page

And

Chain Of Custody

6/15/2008

Joann Marroquin
Project Manager

Date

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Case Narrative for:

Enovis, Inc.

Certificate of Analysis Number:

08051781

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ARCADIS U.S., Inc.		**Site:**	**Tibbetts Rd.**
Debra Stake		**Site Address:**	
175 Cabot Street, Suite 400			
Lowell		**PO Number:**	
MA		**State:**	**New Hampshire**
01854-		**State Cert. No.:**	**295301**
ph: (978) 937-9999	**fax:**	**Date Reported:**	**6/13/2008**

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report (" mg\kg-dry " or " ug\kg-dry ").

Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

Your sample ID "265R" (SPL ID:08051781-02) was randomly selected for use in SPL's quality control program for the Volatile Organics analysis by SW846 Method 826B. The Matrix Spike (MS) and Matrix Spike Duplicate (MSD) recoveries were outside of the advisable quality control limits for Benzene (Batch ID:R239302) due to matrix interference. A Laboratory Control Sample (LCS) was analyzed as a quality control check for the analytical batch and all recoveries were within acceptable limits.

Your sample ID "265R" (SPL ID:08051781-02) was randomly selected for use in SPL's quality control program for the Total Nitrate Nitrogen analysis by EPA Method 353.2. The Matrix Spike (MS) and Matrix Spike Duplicate (MSD) recoveries were outside of the advisable quality control limits for Batch ID: (R239242) due to matrix interference.

Your sample ID "265R" (SPL ID:08051781-02) was randomly selected for use in SPL's quality control program for the Total Nitrite Nitrogen analysis by EPA Method 353.2. The Matrix Spike (MS) recovery was outside of the advisable quality control limits for Batch ID: (R239273) due to matrix interference.

Some of the percent recoveries and RPD's on the QC report for the MS/MSD may be different than the calculated recoveries and RPD's using the sample result and the MS/MSD results that appear on the report because, the actual raw result is used to perform the calculations for percent recovery and RPD.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

6/15/2008

Joann Marroquin
Senior Project Manager

Date

Test results meet all requirements of NELAC, unless specified in the narrative.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Enovis, Inc.

Certificate of Analysis Number:

08051781

Report To: ARCADIS U.S., Inc.
Debra Stake
175 Cabot Street, Suite 400

Lowell
MA
01854-
ph: (978) 937-9999 fax: (978) 937-7555

Fax To:

Project Name: E101274, Tibbetts Road
Site: Tibbetts Rd.
Site Address:

PO Number:
State: New Hampshire
State Cert. No.: 295301
Date Reported: 6/13/2008

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
Trip Blank	08051781-01	Water	5/23/2008	5/24/2008 10:00:00 AM	295234	☐
265R	08051781-02	Water	5/23/2008 8:55:00 AM	5/24/2008 10:00:00 AM	295234	☐
65R	08051781-03	Water	5/23/2008 9:55:00 AM	5/24/2008 10:00:00 AM	295234	☐
57S	08051781-04	Water	5/23/2008 10:40:00 AM	5/24/2008 10:00:00 AM	295234	☐
67R	08051781-05	Water	5/23/2008 12:05:00 PM	5/24/2008 10:00:00 AM	295234	☐
157S	08051781-06	Water	5/23/2008 11:40:00 AM	5/24/2008 10:00:00 AM	295234	☐
103R	08051781-07	Water	5/23/2008 2:10:00 PM	5/24/2008 10:00:00 AM	295234	☐
106R	08051781-08	Water	5/23/2008 11:50:00 AM	5/24/2008 10:00:00 AM	295234	☐
63R	08051781-09	Water	5/23/2008 2:20:00 PM	5/24/2008 10:00:00 AM	295234	☐

Joann Marroquin
Senior Project Manager

6/15/2008
Date

Richard R. Reed
Laboratory Director

Ted Yen
Quality Assurance Officer

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: Trip Blank | **Collected:** 05/23/2008 0:00 | **SPL Sample ID:** 08051781-01

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	05/29/08 5:38	E_G	4468407
1,1,1-Trichloroethane	ND		0.25	5	1	05/29/08 5:38	E_G	4468407
1,1,2-Trichloroethane	ND		0.38	5	1	05/29/08 5:38	E_G	4468407
1,1-Dichloroethane	ND		0.28	5	1	05/29/08 5:38	E_G	4468407
1,1-Dichloroethene	ND		0.5	5	1	05/29/08 5:38	E_G	4468407
1,1-Dichloropropene	ND		0.35	5	1	05/29/08 5:38	E_G	4468407
1,2-Dibromoethane	ND		0.31	5	1	05/29/08 5:38	E_G	4468407
2-Butanone	ND		3.2	20	1	05/29/08 5:38	E_G	4468407
2-Hexanone	ND		0.47	10	1	05/29/08 5:38	E_G	4468407
4-Methyl-2-pentanone	ND		0.31	10	1	05/29/08 5:38	E_G	4468407
Acetone	ND		4.6	100	1	05/29/08 5:38	E_G	4468407
Benzene	ND		0.35	5	1	05/29/08 5:38	E_G	4468407
Bromodichloromethane	ND		0.25	5	1	05/29/08 5:38	E_G	4468407
Bromoform	ND		0.5	5	1	05/29/08 5:38	E_G	4468407
Bromomethane	ND		0.78	10	1	05/29/08 5:38	E_G	4468407
Carbon disulfide	ND		0.25	5	1	05/29/08 5:38	E_G	4468407
Carbon tetrachloride	ND		0.25	5	1	05/29/08 5:38	E_G	4468407
Chlorobenzene	ND		0.3	5	1	05/29/08 5:38	E_G	4468407
Chloroethane	ND		0.31	10	1	05/29/08 5:38	E_G	4468407
Chloroform	ND		0.24	5	1	05/29/08 5:38	E_G	4468407
Chloromethane	ND		0.3	10	1	05/29/08 5:38	E_G	4468407
Dibromochloromethane	ND		0.36	5	1	05/29/08 5:38	E_G	4468407
Dibromomethane	ND		0.3	5	1	05/29/08 5:38	E_G	4468407
Ethylbenzene	ND		0.34	5	1	05/29/08 5:38	E_G	4468407
Methylene chloride	ND		0.67	5	1	05/29/08 5:38	E_G	4468407
Styrene	ND		0.7	5	1	05/29/08 5:38	E_G	4468407
Tetrachloroethene	ND		0.49	5	1	05/29/08 5:38	E_G	4468407
Toluene	ND		0.25	5	1	05/29/08 5:38	E_G	4468407
Trichloroethene	ND		0.25	5	1	05/29/08 5:38	E_G	4468407
Vinyl acetate	ND		0.57	10	1	05/29/08 5:38	E_G	4468407
Vinyl chloride	ND		0.25	2	1	05/29/08 5:38	E_G	4468407
cis-1,2-Dichloroethene	ND		0.48	5	1	05/29/08 5:38	E_G	4468407
cis-1,3-Dichloropropene	ND		0.26	5	1	05/29/08 5:38	E_G	4468407
m,p-Xylene	ND		0.3	1	1	05/29/08 5:38	E_G	4468407
o-Xylene	ND		0.31	1	1	05/29/08 5:38	E_G	4468407
trans-1,2-Dichloroethene	ND		0.35	5	1	05/29/08 5:38	E_G	4468407
trans-1,3-Dichloropropene	ND		0.31	5	1	05/29/08 5:38	E_G	4468407
Xylenes,Total	ND		0.3	1	1	05/29/08 5:38	E_G	4468407
Surr: 1,2-Dichloroethane-d4	100		0	% 62-130	1	05/29/08 5:38	E_G	4468407

Joann Marroquin
Project Manager

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
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D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: Trip Blank | **Collected:** 05/23/2008 0:00 | **SPL Sample ID:** 08051781-01

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 4-Bromofluorobenzene	94.0		0	%	70-130	1	05/29/08 5:38	E_G	4468407
Surr: Toluene-d8	110		0	%	74-122	1	05/29/08 5:38	E_G	4468407

Joann Marroquin
Project Manager

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 265R **Collected:** 05/23/2008 8:55 **SPL Sample ID:** 08051781-02

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
HEADSPACE GAS ANALYSIS					**MCL**	**RSK147 Units: mg/L**		
Ethane	ND		0.0025	0.0025	1	06/05/08 11:48	E_S1	4485163
Ethylene	ND		0.0032	0.0032	1	06/05/08 11:48	E_S1	4485163
Methane	0.28		0.0024	0.0024	2	06/05/08 14:38	E_S1	4485174

Joann Marroquin
Project Manager

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 265R **Collected:** 05/23/2008 8:55 **SPL Sample ID:** 08051781-02

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL					**MCL**	**SW6010B Units: mg/L**		
Arsenic	0.0247	J	0.0192	0.1	1	06/11/08 4:41	EG	4496562
Manganese	0.793		0.000957	0.005	1	06/11/08 4:41	EG	4496562

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	06/05/2008 10:45	DDW	1.00

Joann Marroquin
Project Manager

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8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 265R **Collected:** 05/23/2008 8:55 **SPL Sample ID:** 08051781-02

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	05/29/08 6:02	E_G	4468408
1,1,1-Trichloroethane	ND		0.25	5	1	05/29/08 6:02	E_G	4468408
1,1,2-Trichloroethane	ND		0.38	5	1	05/29/08 6:02	E_G	4468408
1,1-Dichloroethane	ND		0.28	5	1	05/29/08 6:02	E_G	4468408
1,1-Dichloroethene	ND		0.5	5	1	05/29/08 6:02	E_G	4468408
1,1-Dichloropropene	ND		0.35	5	1	05/29/08 6:02	E_G	4468408
1,2-Dibromoethane	ND		0.31	5	1	05/29/08 6:02	E_G	4468408
2-Butanone	ND		3.2	20	1	05/29/08 6:02	E_G	4468408
2-Hexanone	ND		0.47	10	1	05/29/08 6:02	E_G	4468408
4-Methyl-2-pentanone	ND		0.31	10	1	05/29/08 6:02	E_G	4468408
Acetone	ND		4.6	100	1	05/29/08 6:02	E_G	4468408
Benzene	25		0.35	5	1	05/29/08 6:02	E_G	4468408
Bromodichloromethane	ND		0.25	5	1	05/29/08 6:02	E_G	4468408
Bromoform	ND		0.5	5	1	05/29/08 6:02	E_G	4468408
Bromomethane	ND		0.78	10	1	05/29/08 6:02	E_G	4468408
Carbon disulfide	ND		0.25	5	1	05/29/08 6:02	E_G	4468408
Carbon tetrachloride	ND		0.25	5	1	05/29/08 6:02	E_G	4468408
Chlorobenzene	ND		0.3	5	1	05/29/08 6:02	E_G	4468408
Chloroethane	ND		0.31	10	1	05/29/08 6:02	E_G	4468408
Chloroform	ND		0.24	5	1	05/29/08 6:02	E_G	4468408
Chloromethane	ND		0.3	10	1	05/29/08 6:02	E_G	4468408
Dibromochloromethane	ND		0.36	5	1	05/29/08 6:02	E_G	4468408
Dibromomethane	ND		0.3	5	1	05/29/08 6:02	E_G	4468408
Ethylbenzene	7		0.34	5	1	05/29/08 6:02	E_G	4468408
Methylene chloride	ND		0.67	5	1	05/29/08 6:02	E_G	4468408
Styrene	ND		0.7	5	1	05/29/08 6:02	E_G	4468408
Tetrachloroethene	ND		0.49	5	1	05/29/08 6:02	E_G	4468408
Toluene	2	J	0.25	5	1	05/29/08 6:02	E_G	4468408
Trichloroethene	11		0.25	5	1	05/29/08 6:02	E_G	4468408
Vinyl acetate	ND		0.57	10	1	05/29/08 6:02	E_G	4468408
Vinyl chloride	ND		0.25	2	1	05/29/08 6:02	E_G	4468408
cis-1,2-Dichloroethene	120		0.48	5	1	05/29/08 6:02	E_G	4468408
cis-1,3-Dichloropropene	ND		0.26	5	1	05/29/08 6:02	E_G	4468408
m,p-Xylene	6		0.3	1	1	05/29/08 6:02	E_G	4468408
o-Xylene	ND		0.31	1	1	05/29/08 6:02	E_G	4468408
trans-1,2-Dichloroethene	3	J	0.35	5	1	05/29/08 6:02	E_G	4468408
trans-1,3-Dichloropropene	ND		0.31	5	1	05/29/08 6:02	E_G	4468408
Xylenes,Total	6		0.3	1	1	05/29/08 6:02	E_G	4468408
Surr: 1,2-Dichloroethane-d4	98.0		0	% 62-130	1	05/29/08 6:02	E_G	4468408

Joann Marroquin
Project Manager

Qualifiers:

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 265R **Collected:** 05/23/2008 8:55 **SPL Sample ID:** 08051781-02

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 4-Bromofluorobenzene	98.0		0	%	70-130	1	05/29/08 6:02	E_G	4468408
Surr: Toluene-d8	112		0	%	74-122	1	05/29/08 6:02	E_G	4468408

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 265R **Collected:** 05/23/2008 8:55 **SPL Sample ID:** 08051781-02

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
NITRATE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrate (As N)	0.226	J	0.153	0.5	1	05/24/08 12:07	TW	4467372
NITRITE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrite	ND		0.136	0.5	1	05/24/08 14:00	TW	4467999

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 65R **Collected:** 05/23/2008 9:55 **SPL Sample ID:** 08051781-03

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
HEADSPACE GAS ANALYSIS					**MCL**	**RSK147 Units: mg/L**		
Ethane	ND		0.0025	0.0025	1	06/05/08 12:02	E_S1	4485164
Ethylene	ND		0.0032	0.0032	1	06/05/08 12:02	E_S1	4485164
Methane	0.47		0.0048	0.0048	4	06/05/08 14:50	E_S1	4485175

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 65R **Collected:** 05/23/2008 9:55 **SPL Sample ID:** 08051781-03

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B Units: mg/L**			
Arsenic	ND		0.0192	0.1	1	06/11/08 4:45	EG	4496563
Manganese	0.763		0.000957	0.005	1	06/11/08 4:45	EG	4496563

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	06/05/2008 10:45	DDW	1.00

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 65R **Collected:** 05/23/2008 9:55 **SPL Sample ID:** 08051781-03

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	05/29/08 8:07	E_G	4468413
1,1,1-Trichloroethane	ND		0.25	5	1	05/29/08 8:07	E_G	4468413
1,1,2-Trichloroethane	ND		0.38	5	1	05/29/08 8:07	E_G	4468413
1,1-Dichloroethane	ND		0.28	5	1	05/29/08 8:07	E_G	4468413
1,1-Dichloroethene	ND		0.5	5	1	05/29/08 8:07	E_G	4468413
1,1-Dichloropropene	ND		0.35	5	1	05/29/08 8:07	E_G	4468413
1,2-Dibromoethane	ND		0.31	5	1	05/29/08 8:07	E_G	4468413
2-Butanone	ND		3.2	20	1	05/29/08 8:07	E_G	4468413
2-Hexanone	ND		0.47	10	1	05/29/08 8:07	E_G	4468413
4-Methyl-2-pentanone	ND		0.31	10	1	05/29/08 8:07	E_G	4468413
Acetone	ND		4.6	100	1	05/29/08 8:07	E_G	4468413
Benzene	24		0.35	5	1	05/29/08 8:07	E_G	4468413
Bromodichloromethane	ND		0.25	5	1	05/29/08 8:07	E_G	4468413
Bromoform	ND		0.5	5	1	05/29/08 8:07	E_G	4468413
Bromomethane	ND		0.78	10	1	05/29/08 8:07	E_G	4468413
Carbon disulfide	ND		0.25	5	1	05/29/08 8:07	E_G	4468413
Carbon tetrachloride	ND		0.25	5	1	05/29/08 8:07	E_G	4468413
Chlorobenzene	ND		0.3	5	1	05/29/08 8:07	E_G	4468413
Chloroethane	ND		0.31	10	1	05/29/08 8:07	E_G	4468413
Chloroform	ND		0.24	5	1	05/29/08 8:07	E_G	4468413
Chloromethane	ND		0.3	10	1	05/29/08 8:07	E_G	4468413
Dibromochloromethane	ND		0.36	5	1	05/29/08 8:07	E_G	4468413
Dibromomethane	ND		0.3	5	1	05/29/08 8:07	E_G	4468413
Ethylbenzene	6		0.34	5	1	05/29/08 8:07	E_G	4468413
Methylene chloride	ND		0.67	5	1	05/29/08 8:07	E_G	4468413
Styrene	ND		0.7	5	1	05/29/08 8:07	E_G	4468413
Tetrachloroethene	ND		0.49	5	1	05/29/08 8:07	E_G	4468413
Toluene	2	J	0.25	5	1	05/29/08 8:07	E_G	4468413
Trichloroethene	11		0.25	5	1	05/29/08 8:07	E_G	4468413
Vinyl acetate	ND		0.57	10	1	05/29/08 8:07	E_G	4468413
Vinyl chloride	ND		0.25	2	1	05/29/08 8:07	E_G	4468413
cis-1,2-Dichloroethene	120		0.48	5	1	05/29/08 8:07	E_G	4468413
cis-1,3-Dichloropropene	ND		0.26	5	1	05/29/08 8:07	E_G	4468413
m,p-Xylene	5		0.3	1	1	05/29/08 8:07	E_G	4468413
o-Xylene	ND		0.31	1	1	05/29/08 8:07	E_G	4468413
trans-1,2-Dichloroethene	3	J	0.35	5	1	05/29/08 8:07	E_G	4468413
trans-1,3-Dichloropropene	ND		0.31	5	1	05/29/08 8:07	E_G	4468413
Xylenes,Total	5		0.3	1	1	05/29/08 8:07	E_G	4468413
Surr: 1,2-Dichloroethane-d4	98.0		0	% 62-130	1	05/29/08 8:07	E_G	4468413

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 65R **Collected:** 05/23/2008 9:55 **SPL Sample ID:** 08051781-03

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 4-Bromofluorobenzene	98.0		0	%	70-130	1	05/29/08 8:07	E_G	4468413
Surr: Toluene-d8	110		0	%	74-122	1	05/29/08 8:07	E_G	4468413

Joann Marroquin
Project Manager

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 65R **Collected:** 05/23/2008 9:55 **SPL Sample ID:** 08051781-03

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
NITRATE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrate (As N)	0.6		0.153	0.5	1	05/24/08 12:07	TW	4467380
NITRITE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrite	ND		0.136	0.5	1	05/24/08 14:00	TW	4468002

Joann Marroquin
Project Manager

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 57S **Collected:** 05/23/2008 10:40 **SPL Sample ID:** 08051781-04

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
HEADSPACE GAS ANALYSIS					**MCL**	**RSK147 Units: mg/L**		
Ethane	ND		0.0025	0.0025	1	06/05/08 13:10	E_S1	4485167
Ethylene	ND		0.0032	0.0032	1	06/05/08 13:10	E_S1	4485167
Methane	0.0025		0.0012	0.0012	1	06/05/08 13:10	E_S1	4485167

Joann Marroquin
Project Manager

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 57S **Collected:** 05/23/2008 10:40 **SPL Sample ID:** 08051781-04

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B Units: mg/L**			
Arsenic	ND		0.0192	0.1	1	06/11/08 4:50	EG	4496564
Manganese	2.25		0.000957	0.005	1	06/11/08 4:50	EG	4496564

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	06/05/2008 10:45	DDW	1.00

Joann Marroquin
Project Manager

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 57S **Collected:** 05/23/2008 10:40 **SPL Sample ID:** 08051781-04

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	05/29/08 8:32	E_G	4468414
1,1,1-Trichloroethane	ND		0.25	5	1	05/29/08 8:32	E_G	4468414
1,1,2-Trichloroethane	ND		0.38	5	1	05/29/08 8:32	E_G	4468414
1,1-Dichloroethane	ND		0.28	5	1	05/29/08 8:32	E_G	4468414
1,1-Dichloroethene	ND		0.5	5	1	05/29/08 8:32	E_G	4468414
1,1-Dichloropropene	ND		0.35	5	1	05/29/08 8:32	E_G	4468414
1,2-Dibromoethane	ND		0.31	5	1	05/29/08 8:32	E_G	4468414
2-Butanone	ND		3.2	20	1	05/29/08 8:32	E_G	4468414
2-Hexanone	ND		0.47	10	1	05/29/08 8:32	E_G	4468414
4-Methyl-2-pentanone	ND		0.31	10	1	05/29/08 8:32	E_G	4468414
Acetone	ND		4.6	100	1	05/29/08 8:32	E_G	4468414
Benzene	ND		0.35	5	1	05/29/08 8:32	E_G	4468414
Bromodichloromethane	ND		0.25	5	1	05/29/08 8:32	E_G	4468414
Bromoform	ND		0.5	5	1	05/29/08 8:32	E_G	4468414
Bromomethane	ND		0.78	10	1	05/29/08 8:32	E_G	4468414
Carbon disulfide	ND		0.25	5	1	05/29/08 8:32	E_G	4468414
Carbon tetrachloride	ND		0.25	5	1	05/29/08 8:32	E_G	4468414
Chlorobenzene	ND		0.3	5	1	05/29/08 8:32	E_G	4468414
Chloroethane	ND		0.31	10	1	05/29/08 8:32	E_G	4468414
Chloroform	ND		0.24	5	1	05/29/08 8:32	E_G	4468414
Chloromethane	ND		0.3	10	1	05/29/08 8:32	E_G	4468414
Dibromochloromethane	ND		0.36	5	1	05/29/08 8:32	E_G	4468414
Dibromomethane	ND		0.3	5	1	05/29/08 8:32	E_G	4468414
Ethylbenzene	52		0.34	5	1	05/29/08 8:32	E_G	4468414
Methylene chloride	ND		0.67	5	1	05/29/08 8:32	E_G	4468414
Styrene	ND		0.7	5	1	05/29/08 8:32	E_G	4468414
Tetrachloroethene	ND		0.49	5	1	05/29/08 8:32	E_G	4468414
Toluene	2	J	0.25	5	1	05/29/08 8:32	E_G	4468414
Trichloroethene	ND		0.25	5	1	05/29/08 8:32	E_G	4468414
Vinyl acetate	ND		0.57	10	1	05/29/08 8:32	E_G	4468414
Vinyl chloride	ND		0.25	2	1	05/29/08 8:32	E_G	4468414
cis-1,2-Dichloroethene	3	J	0.48	5	1	05/29/08 8:32	E_G	4468414
cis-1,3-Dichloropropene	ND		0.26	5	1	05/29/08 8:32	E_G	4468414
m,p-Xylene	41		0.3	1	1	05/29/08 8:32	E_G	4468414
o-Xylene	4		0.31	1	1	05/29/08 8:32	E_G	4468414
trans-1,2-Dichloroethene	ND		0.35	5	1	05/29/08 8:32	E_G	4468414
trans-1,3-Dichloropropene	ND		0.31	5	1	05/29/08 8:32	E_G	4468414
Xylenes,Total	45		0.3	1	1	05/29/08 8:32	E_G	4468414
Surr: 1,2-Dichloroethane-d4	98.0		0	% 62-130	1	05/29/08 8:32	E_G	4468414

Joann Marroquin
Project Manager

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 57S **Collected:** 05/23/2008 10:40 **SPL Sample ID:** 08051781-04

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 4-Bromofluorobenzene	100		0	%	70-130	1	05/29/08 8:32	E_G	4468414
Surr: Toluene-d8	110		0	%	74-122	1	05/29/08 8:32	E_G	4468414

Joann Marroquin
Project Manager

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J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
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B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 57S **Collected:** 05/23/2008 10:40 **SPL Sample ID:** 08051781-04

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
NITRATE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrate (As N)	ND		0.153	0.5	1	05/24/08 12:07	TW	4467382
NITRITE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrite	ND		0.136	0.5	1	05/24/08 14:00	TW	4468003

Joann Marroquin
Project Manager

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 67R **Collected:** 05/23/2008 12:05 **SPL Sample ID:** 08051781-05

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
HEADSPACE GAS ANALYSIS					**MCL**	**RSK147 Units: mg/L**		
Ethane	ND		0.0025	0.0025	1	06/05/08 13:20	E_S1	4485168
Ethylene	ND		0.0032	0.0032	1	06/05/08 13:20	E_S1	4485168
Methane	ND		0.0012	0.0012	1	06/05/08 13:20	E_S1	4485168

Joann Marroquin
Project Manager

Qualifiers:

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TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 67R **Collected:** 05/23/2008 12:05 **SPL Sample ID:** 08051781-05

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B Units: mg/L**			
Arsenic	ND		0.0192	0.1	1	06/11/08 4:54	EG	4496565
Manganese	0.115		0.000957	0.005	1	06/11/08 4:54	EG	4496565

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	06/05/2008 10:45	DDW	1.00

Joann Marroquin
Project Manager

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 67R **Collected:** 05/23/2008 12:05 **SPL Sample ID:** 08051781-05

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	05/29/08 8:57	E_G	4468415
1,1,1-Trichloroethane	ND		0.25	5	1	05/29/08 8:57	E_G	4468415
1,1,2-Trichloroethane	ND		0.38	5	1	05/29/08 8:57	E_G	4468415
1,1-Dichloroethane	ND		0.28	5	1	05/29/08 8:57	E_G	4468415
1,1-Dichloroethene	ND		0.5	5	1	05/29/08 8:57	E_G	4468415
1,1-Dichloropropene	ND		0.35	5	1	05/29/08 8:57	E_G	4468415
1,2-Dibromoethane	ND		0.31	5	1	05/29/08 8:57	E_G	4468415
2-Butanone	ND		3.2	20	1	05/29/08 8:57	E_G	4468415
2-Hexanone	ND		0.47	10	1	05/29/08 8:57	E_G	4468415
4-Methyl-2-pentanone	ND		0.31	10	1	05/29/08 8:57	E_G	4468415
Acetone	ND		4.6	100	1	05/29/08 8:57	E_G	4468415
Benzene	ND		0.35	5	1	05/29/08 8:57	E_G	4468415
Bromodichloromethane	ND		0.25	5	1	05/29/08 8:57	E_G	4468415
Bromoform	ND		0.5	5	1	05/29/08 8:57	E_G	4468415
Bromomethane	ND		0.78	10	1	05/29/08 8:57	E_G	4468415
Carbon disulfide	ND		0.25	5	1	05/29/08 8:57	E_G	4468415
Carbon tetrachloride	ND		0.25	5	1	05/29/08 8:57	E_G	4468415
Chlorobenzene	ND		0.3	5	1	05/29/08 8:57	E_G	4468415
Chloroethane	ND		0.31	10	1	05/29/08 8:57	E_G	4468415
Chloroform	ND		0.24	5	1	05/29/08 8:57	E_G	4468415
Chloromethane	ND		0.3	10	1	05/29/08 8:57	E_G	4468415
Dibromochloromethane	ND		0.36	5	1	05/29/08 8:57	E_G	4468415
Dibromomethane	ND		0.3	5	1	05/29/08 8:57	E_G	4468415
Ethylbenzene	ND		0.34	5	1	05/29/08 8:57	E_G	4468415
Methylene chloride	ND		0.67	5	1	05/29/08 8:57	E_G	4468415
Styrene	ND		0.7	5	1	05/29/08 8:57	E_G	4468415
Tetrachloroethene	ND		0.49	5	1	05/29/08 8:57	E_G	4468415
Toluene	ND		0.25	5	1	05/29/08 8:57	E_G	4468415
Trichloroethene	8		0.25	5	1	05/29/08 8:57	E_G	4468415
Vinyl acetate	ND		0.57	10	1	05/29/08 8:57	E_G	4468415
Vinyl chloride	ND		0.25	2	1	05/29/08 8:57	E_G	4468415
cis-1,2-Dichloroethene	3	J	0.48	5	1	05/29/08 8:57	E_G	4468415
cis-1,3-Dichloropropene	ND		0.26	5	1	05/29/08 8:57	E_G	4468415
m,p-Xylene	ND		0.3	1	1	05/29/08 8:57	E_G	4468415
o-Xylene	ND		0.31	1	1	05/29/08 8:57	E_G	4468415
trans-1,2-Dichloroethene	ND		0.35	5	1	05/29/08 8:57	E_G	4468415
trans-1,3-Dichloropropene	ND		0.31	5	1	05/29/08 8:57	E_G	4468415
Xylenes,Total	ND		0.3	1	1	05/29/08 8:57	E_G	4468415
Surr: 1,2-Dichloroethane-d4	100		0	% 62-130	1	05/29/08 8:57	E_G	4468415

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 67R **Collected:** 05/23/2008 12:05 **SPL Sample ID:** 08051781-05

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 4-Bromofluorobenzene	96.0		0	%	70-130	1	05/29/08 8:57	E_G	4468415
Surr: Toluene-d8	110		0	%	74-122	1	05/29/08 8:57	E_G	4468415

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
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E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 67R **Collected:** 05/23/2008 12:05 **SPL Sample ID:** 08051781-05

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
NITRATE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrate (As N)	ND		0.153	0.5	1	05/24/08 12:07	TW	4467390
NITRITE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrite	ND		0.136	0.5	1	05/24/08 14:00	TW	4468006

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 157S **Collected:** 05/23/2008 11:40 **SPL Sample ID:** 08051781-06

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
HEADSPACE GAS ANALYSIS					**MCL**	**RSK147 Units: mg/L**		
Ethane	ND		0.0025	0.0025	1	06/05/08 13:30	E_S1	4485169
Ethylene	ND		0.0032	0.0032	1	06/05/08 13:30	E_S1	4485169
Methane	0.0016		0.0012	0.0012	1	06/05/08 13:30	E_S1	4485169

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 157S **Collected:** 05/23/2008 11:40 **SPL Sample ID:** 08051781-06

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B Units: mg/L**			
Arsenic	ND		0.0192	0.1	1	06/11/08 4:59	EG	4496566
Manganese	2.49		0.000957	0.005	1	06/11/08 4:59	EG	4496566

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	06/05/2008 10:45	DDW	1.00

Joann Marroquin
Project Manager

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
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E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 157S **Collected:** 05/23/2008 11:40 **SPL Sample ID:** 08051781-06

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	05/29/08 9:22	E_G	4468416
1,1,1-Trichloroethane	ND		0.25	5	1	05/29/08 9:22	E_G	4468416
1,1,2-Trichloroethane	ND		0.38	5	1	05/29/08 9:22	E_G	4468416
1,1-Dichloroethane	ND		0.28	5	1	05/29/08 9:22	E_G	4468416
1,1-Dichloroethene	ND		0.5	5	1	05/29/08 9:22	E_G	4468416
1,1-Dichloropropene	ND		0.35	5	1	05/29/08 9:22	E_G	4468416
1,2-Dibromoethane	ND		0.31	5	1	05/29/08 9:22	E_G	4468416
2-Butanone	ND		3.2	20	1	05/29/08 9:22	E_G	4468416
2-Hexanone	ND		0.47	10	1	05/29/08 9:22	E_G	4468416
4-Methyl-2-pentanone	ND		0.31	10	1	05/29/08 9:22	E_G	4468416
Acetone	ND		4.6	100	1	05/29/08 9:22	E_G	4468416
Benzene	ND		0.35	5	1	05/29/08 9:22	E_G	4468416
Bromodichloromethane	ND		0.25	5	1	05/29/08 9:22	E_G	4468416
Bromoform	ND		0.5	5	1	05/29/08 9:22	E_G	4468416
Bromomethane	ND		0.78	10	1	05/29/08 9:22	E_G	4468416
Carbon disulfide	ND		0.25	5	1	05/29/08 9:22	E_G	4468416
Carbon tetrachloride	ND		0.25	5	1	05/29/08 9:22	E_G	4468416
Chlorobenzene	ND		0.3	5	1	05/29/08 9:22	E_G	4468416
Chloroethane	ND		0.31	10	1	05/29/08 9:22	E_G	4468416
Chloroform	ND		0.24	5	1	05/29/08 9:22	E_G	4468416
Chloromethane	ND		0.3	10	1	05/29/08 9:22	E_G	4468416
Dibromochloromethane	ND		0.36	5	1	05/29/08 9:22	E_G	4468416
Dibromomethane	ND		0.3	5	1	05/29/08 9:22	E_G	4468416
Ethylbenzene	52		0.34	5	1	05/29/08 9:22	E_G	4468416
Methylene chloride	ND		0.67	5	1	05/29/08 9:22	E_G	4468416
Styrene	ND		0.7	5	1	05/29/08 9:22	E_G	4468416
Tetrachloroethene	ND		0.49	5	1	05/29/08 9:22	E_G	4468416
Toluene	2	J	0.25	5	1	05/29/08 9:22	E_G	4468416
Trichloroethene	ND		0.25	5	1	05/29/08 9:22	E_G	4468416
Vinyl acetate	ND		0.57	10	1	05/29/08 9:22	E_G	4468416
Vinyl chloride	ND		0.25	2	1	05/29/08 9:22	E_G	4468416
cis-1,2-Dichloroethene	3	J	0.48	5	1	05/29/08 9:22	E_G	4468416
cis-1,3-Dichloropropene	ND		0.26	5	1	05/29/08 9:22	E_G	4468416
m,p-Xylene	38		0.3	1	1	05/29/08 9:22	E_G	4468416
o-Xylene	4		0.31	1	1	05/29/08 9:22	E_G	4468416
trans-1,2-Dichloroethene	ND		0.35	5	1	05/29/08 9:22	E_G	4468416
trans-1,3-Dichloropropene	ND		0.31	5	1	05/29/08 9:22	E_G	4468416
Xylenes,Total	42		0.3	1	1	05/29/08 9:22	E_G	4468416
Surr: 1,2-Dichloroethane-d4	98.0		0	% 62-130	1	05/29/08 9:22	E_G	4468416

Joann Marroquin
Project Manager

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
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MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 157S **Collected:** 05/23/2008 11:40 **SPL Sample ID:** 08051781-06

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 4-Bromofluorobenzene	102		0	%	70-130	1	05/29/08 9:22	E_G	4468416
Surr: Toluene-d8	110		0	%	74-122	1	05/29/08 9:22	E_G	4468416

Joann Marroquin
Project Manager

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J - Estimated Value between MDL and PQL
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E - Concentrations exceeding Calibration range of Instrument
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TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 157S **Collected:** 05/23/2008 11:40 **SPL Sample ID:** 08051781-06

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
NITRATE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrate (As N)	ND		0.153	0.5	1	05/24/08 12:07	TW	4467385
NITRITE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrite	ND		0.136	0.5	1	05/24/08 14:00	TW	4468004

Joann Marroquin
Project Manager

Qualifiers:

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B/V - Analyte detected in the associated Method Blank above Rep.Limit
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 103R **Collected:** 05/23/2008 14:10 **SPL Sample ID:** 08051781-07

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
HEADSPACE GAS ANALYSIS					**MCL**	**RSK147 Units: mg/L**		
Ethane	ND		0.0025	0.0025	1	06/05/08 13:42	E_S1	4485170
Ethylene	ND		0.0032	0.0032	1	06/05/08 13:42	E_S1	4485170
Methane	ND		0.0012	0.0012	1	06/05/08 13:42	E_S1	4485170

Joann Marroquin
Project Manager

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 103R **Collected:** 05/23/2008 14:10 **SPL Sample ID:** 08051781-07

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL					**MCL**	**SW6010B Units: mg/L**		
Arsenic	ND		0.0192	0.1	1	06/11/08 5:03	EG	4496567
Manganese	0.627		0.000957	0.005	1	06/11/08 5:03	EG	4496567

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	06/05/2008 10:45	DDW	1.00

Joann Marroquin
Project Manager

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 103R **Collected:** 05/23/2008 14:10 **SPL Sample ID:** 08051781-07

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	05/29/08 9:47	E_G	4468417
1,1,1-Trichloroethane	ND		0.25	5	1	05/29/08 9:47	E_G	4468417
1,1,2-Trichloroethane	ND		0.38	5	1	05/29/08 9:47	E_G	4468417
1,1-Dichloroethane	ND		0.28	5	1	05/29/08 9:47	E_G	4468417
1,1-Dichloroethene	ND		0.5	5	1	05/29/08 9:47	E_G	4468417
1,1-Dichloropropene	ND		0.35	5	1	05/29/08 9:47	E_G	4468417
1,2-Dibromoethane	ND		0.31	5	1	05/29/08 9:47	E_G	4468417
2-Butanone	ND		3.2	20	1	05/29/08 9:47	E_G	4468417
2-Hexanone	ND		0.47	10	1	05/29/08 9:47	E_G	4468417
4-Methyl-2-pentanone	ND		0.31	10	1	05/29/08 9:47	E_G	4468417
Acetone	64	J	4.6	100	1	05/29/08 9:47	E_G	4468417
Benzene	5		0.35	5	1	05/29/08 9:47	E_G	4468417
Bromodichloromethane	ND		0.25	5	1	05/29/08 9:47	E_G	4468417
Bromoform	ND		0.5	5	1	05/29/08 9:47	E_G	4468417
Bromomethane	ND		0.78	10	1	05/29/08 9:47	E_G	4468417
Carbon disulfide	ND		0.25	5	1	05/29/08 9:47	E_G	4468417
Carbon tetrachloride	ND		0.25	5	1	05/29/08 9:47	E_G	4468417
Chlorobenzene	ND		0.3	5	1	05/29/08 9:47	E_G	4468417
Chloroethane	ND		0.31	10	1	05/29/08 9:47	E_G	4468417
Chloroform	ND		0.24	5	1	05/29/08 9:47	E_G	4468417
Chloromethane	ND		0.3	10	1	05/29/08 9:47	E_G	4468417
Dibromochloromethane	ND		0.36	5	1	05/29/08 9:47	E_G	4468417
Dibromomethane	ND		0.3	5	1	05/29/08 9:47	E_G	4468417
Ethylbenzene	ND		0.34	5	1	05/29/08 9:47	E_G	4468417
Methylene chloride	ND		0.67	5	1	05/29/08 9:47	E_G	4468417
Styrene	ND		0.7	5	1	05/29/08 9:47	E_G	4468417
Tetrachloroethene	ND		0.49	5	1	05/29/08 9:47	E_G	4468417
Toluene	ND		0.25	5	1	05/29/08 9:47	E_G	4468417
Trichloroethene	1	J	0.25	5	1	05/29/08 9:47	E_G	4468417
Vinyl acetate	ND		0.57	10	1	05/29/08 9:47	E_G	4468417
Vinyl chloride	ND		0.25	2	1	05/29/08 9:47	E_G	4468417
cis-1,2-Dichloroethene	13		0.48	5	1	05/29/08 9:47	E_G	4468417
cis-1,3-Dichloropropene	ND		0.26	5	1	05/29/08 9:47	E_G	4468417
m,p-Xylene	ND		0.3	1	1	05/29/08 9:47	E_G	4468417
o-Xylene	ND		0.31	1	1	05/29/08 9:47	E_G	4468417
trans-1,2-Dichloroethene	ND		0.35	5	1	05/29/08 9:47	E_G	4468417
trans-1,3-Dichloropropene	ND		0.31	5	1	05/29/08 9:47	E_G	4468417
Xylenes,Total	ND		0.3	1	1	05/29/08 9:47	E_G	4468417
Surr: 1,2-Dichloroethane-d4	100		0	% 62-130	1	05/29/08 9:47	E_G	4468417

Joann Marroquin
Project Manager

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ND/U - Not Detected at the Method Detection Limit
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MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 103R **Collected:** 05/23/2008 14:10 **SPL Sample ID:** 08051781-07

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 4-Bromofluorobenzene	96.0		0	%	70-130	1	05/29/08 9:47	E_G	4468417
Surr: Toluene-d8	112		0	%	74-122	1	05/29/08 9:47	E_G	4468417

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 103R **Collected:** 05/23/2008 14:10 **SPL Sample ID:** 08051781-07

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
NITRATE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrate (As N)	ND		0.153	0.5	1	05/24/08 12:07	TW	4467392
NITRITE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrite	ND		0.136	0.5	1	05/24/08 14:00	TW	4468007

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
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TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 106R **Collected:** 05/23/2008 11:50 **SPL Sample ID:** 08051781-08

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
HEADSPACE GAS ANALYSIS					**MCL**	**RSK147 Units: mg/L**		
Ethane	ND		0.0025	0.0025	1	06/05/08 13:55	E_S1	4485171
Ethylene	ND		0.0032	0.0032	1	06/05/08 13:55	E_S1	4485171
Methane	0.0029		0.0012	0.0012	1	06/05/08 13:55	E_S1	4485171

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
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TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 106R **Collected:** 05/23/2008 11:50 **SPL Sample ID:** 08051781-08

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B Units: mg/L**			
Arsenic	ND		0.0192	0.1	1	06/11/08 5:08	EG	4496568
Manganese	0.0626		0.000957	0.005	1	06/11/08 5:08	EG	4496568

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	06/05/2008 10:45	DDW	1.00

Joann Marroquin
Project Manager

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 106R **Collected:** 05/23/2008 11:50 **SPL Sample ID:** 08051781-08

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	05/29/08 10:11	E_G	4468418
1,1,1-Trichloroethane	ND		0.25	5	1	05/29/08 10:11	E_G	4468418
1,1,2-Trichloroethane	ND		0.38	5	1	05/29/08 10:11	E_G	4468418
1,1-Dichloroethane	ND		0.28	5	1	05/29/08 10:11	E_G	4468418
1,1-Dichloroethene	ND		0.5	5	1	05/29/08 10:11	E_G	4468418
1,1-Dichloropropene	ND		0.35	5	1	05/29/08 10:11	E_G	4468418
1,2-Dibromoethane	ND		0.31	5	1	05/29/08 10:11	E_G	4468418
2-Butanone	ND		3.2	20	1	05/29/08 10:11	E_G	4468418
2-Hexanone	ND		0.47	10	1	05/29/08 10:11	E_G	4468418
4-Methyl-2-pentanone	ND		0.31	10	1	05/29/08 10:11	E_G	4468418
Acetone	ND		4.6	100	1	05/29/08 10:11	E_G	4468418
Benzene	6		0.35	5	1	05/29/08 10:11	E_G	4468418
Bromodichloromethane	ND		0.25	5	1	05/29/08 10:11	E_G	4468418
Bromoform	ND		0.5	5	1	05/29/08 10:11	E_G	4468418
Bromomethane	ND		0.78	10	1	05/29/08 10:11	E_G	4468418
Carbon disulfide	ND		0.25	5	1	05/29/08 10:11	E_G	4468418
Carbon tetrachloride	ND		0.25	5	1	05/29/08 10:11	E_G	4468418
Chlorobenzene	ND		0.3	5	1	05/29/08 10:11	E_G	4468418
Chloroethane	ND		0.31	10	1	05/29/08 10:11	E_G	4468418
Chloroform	ND		0.24	5	1	05/29/08 10:11	E_G	4468418
Chloromethane	ND		0.3	10	1	05/29/08 10:11	E_G	4468418
Dibromochloromethane	ND		0.36	5	1	05/29/08 10:11	E_G	4468418
Dibromomethane	ND		0.3	5	1	05/29/08 10:11	E_G	4468418
Ethylbenzene	ND		0.34	5	1	05/29/08 10:11	E_G	4468418
Methylene chloride	ND		0.67	5	1	05/29/08 10:11	E_G	4468418
Styrene	ND		0.7	5	1	05/29/08 10:11	E_G	4468418
Tetrachloroethene	ND		0.49	5	1	05/29/08 10:11	E_G	4468418
Toluene	ND		0.25	5	1	05/29/08 10:11	E_G	4468418
Trichloroethene	1	J	0.25	5	1	05/29/08 10:11	E_G	4468418
Vinyl acetate	ND		0.57	10	1	05/29/08 10:11	E_G	4468418
Vinyl chloride	ND		0.25	2	1	05/29/08 10:11	E_G	4468418
cis-1,2-Dichloroethene	1	J	0.48	5	1	05/29/08 10:11	E_G	4468418
cis-1,3-Dichloropropene	ND		0.26	5	1	05/29/08 10:11	E_G	4468418
m,p-Xylene	ND		0.3	1	1	05/29/08 10:11	E_G	4468418
o-Xylene	ND		0.31	1	1	05/29/08 10:11	E_G	4468418
trans-1,2-Dichloroethene	ND		0.35	5	1	05/29/08 10:11	E_G	4468418
trans-1,3-Dichloropropene	ND		0.31	5	1	05/29/08 10:11	E_G	4468418
Xylenes,Total	ND		0.3	1	1	05/29/08 10:11	E_G	4468418
Surr: 1,2-Dichloroethane-d4	100		0	% 62-130	1	05/29/08 10:11	E_G	4468418

Joann Marroquin
Project Manager

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 106R **Collected:** 05/23/2008 11:50 **SPL Sample ID:** 08051781-08

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 4-Bromofluorobenzene	96.0		0	%	70-130	1	05/29/08 10:11	E_G	4468418
Surr: Toluene-d8	110		0	%	74-122	1	05/29/08 10:11	E_G	4468418

Joann Marroquin
Project Manager

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8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 106R **Collected:** 05/23/2008 11:50 **SPL Sample ID:** 08051781-08

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
NITRATE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrate (As N)	ND		0.153	0.5	1	05/24/08 12:07	TW	4467387
NITRITE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrite	ND		0.136	0.5	1	05/24/08 14:00	TW	4468005

Joann Marroquin
Project Manager

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 63R **Collected:** 05/23/2008 14:20 **SPL Sample ID:** 08051781-09

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
HEADSPACE GAS ANALYSIS					**MCL**	**RSK147 Units: mg/L**		
Ethane	ND		0.0025	0.0025	1	06/05/08 14:07	E_S1	4485172
Ethylene	ND		0.0032	0.0032	1	06/05/08 14:07	E_S1	4485172
Methane	ND		0.0012	0.0012	1	06/05/08 14:07	E_S1	4485172

Joann Marroquin
Project Manager

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 63R **Collected:** 05/23/2008 14:20 **SPL Sample ID:** 08051781-09

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL					**MCL**	**SW6010B Units: mg/L**		
Arsenic	0.039	J	0.0192	0.1	1	06/11/08 5:12	EG	4496569
Manganese	0.329		0.000957	0.005	1	06/11/08 5:12	EG	4496569

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	06/05/2008 10:45	DDW	1.00

Joann Marroquin
Project Manager

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8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 63R **Collected:** 05/23/2008 14:20 **SPL Sample ID:** 08051781-09

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	05/29/08 10:36	E_G	4468419
1,1,1-Trichloroethane	ND		0.25	5	1	05/29/08 10:36	E_G	4468419
1,1,2-Trichloroethane	ND		0.38	5	1	05/29/08 10:36	E_G	4468419
1,1-Dichloroethane	ND		0.28	5	1	05/29/08 10:36	E_G	4468419
1,1-Dichloroethene	ND		0.5	5	1	05/29/08 10:36	E_G	4468419
1,1-Dichloropropene	ND		0.35	5	1	05/29/08 10:36	E_G	4468419
1,2-Dibromoethane	ND		0.31	5	1	05/29/08 10:36	E_G	4468419
2-Butanone	ND		3.2	20	1	05/29/08 10:36	E_G	4468419
2-Hexanone	ND		0.47	10	1	05/29/08 10:36	E_G	4468419
4-Methyl-2-pentanone	ND		0.31	10	1	05/29/08 10:36	E_G	4468419
Acetone	17	J	4.6	100	1	05/29/08 10:36	E_G	4468419
Benzene	3	J	0.35	5	1	05/29/08 10:36	E_G	4468419
Bromodichloromethane	ND		0.25	5	1	05/29/08 10:36	E_G	4468419
Bromoform	ND		0.5	5	1	05/29/08 10:36	E_G	4468419
Bromomethane	ND		0.78	10	1	05/29/08 10:36	E_G	4468419
Carbon disulfide	ND		0.25	5	1	05/29/08 10:36	E_G	4468419
Carbon tetrachloride	ND		0.25	5	1	05/29/08 10:36	E_G	4468419
Chlorobenzene	ND		0.3	5	1	05/29/08 10:36	E_G	4468419
Chloroethane	ND		0.31	10	1	05/29/08 10:36	E_G	4468419
Chloroform	ND		0.24	5	1	05/29/08 10:36	E_G	4468419
Chloromethane	ND		0.3	10	1	05/29/08 10:36	E_G	4468419
Dibromochloromethane	ND		0.36	5	1	05/29/08 10:36	E_G	4468419
Dibromomethane	ND		0.3	5	1	05/29/08 10:36	E_G	4468419
Ethylbenzene	ND		0.34	5	1	05/29/08 10:36	E_G	4468419
Methylene chloride	ND		0.67	5	1	05/29/08 10:36	E_G	4468419
Styrene	ND		0.7	5	1	05/29/08 10:36	E_G	4468419
Tetrachloroethene	ND		0.49	5	1	05/29/08 10:36	E_G	4468419
Toluene	ND		0.25	5	1	05/29/08 10:36	E_G	4468419
Trichloroethene	14		0.25	5	1	05/29/08 10:36	E_G	4468419
Vinyl acetate	ND		0.57	10	1	05/29/08 10:36	E_G	4468419
Vinyl chloride	ND		0.25	2	1	05/29/08 10:36	E_G	4468419
cis-1,2-Dichloroethene	9		0.48	5	1	05/29/08 10:36	E_G	4468419
cis-1,3-Dichloropropene	ND		0.26	5	1	05/29/08 10:36	E_G	4468419
m,p-Xylene	ND		0.3	1	1	05/29/08 10:36	E_G	4468419
o-Xylene	ND		0.31	1	1	05/29/08 10:36	E_G	4468419
trans-1,2-Dichloroethene	4	J	0.35	5	1	05/29/08 10:36	E_G	4468419
trans-1,3-Dichloropropene	ND		0.31	5	1	05/29/08 10:36	E_G	4468419
Xylenes,Total	ND		0.3	1	1	05/29/08 10:36	E_G	4468419
Surr: 1,2-Dichloroethane-d4	102		0	% 62-130	1	05/29/08 10:36	E_G	4468419

Joann Marroquin
Project Manager

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 63R **Collected:** 05/23/2008 14:20 **SPL Sample ID:** 08051781-09

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 4-Bromofluorobenzene	96.0		0	%	70-130	1	05/29/08 10:36	E_G	4468419
Surr: Toluene-d8	110		0	%	74-122	1	05/29/08 10:36	E_G	4468419

Joann Marroquin
Project Manager

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B/V - Analyte detected in the associated Method Blank above Rep.Limit
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 63R **Collected:** 05/23/2008 14:20 **SPL Sample ID:** 08051781-09

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
NITRATE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrate (As N)	ND		0.153	0.5	1	05/24/08 12:07	TW	4467395
NITRITE NITROGEN (AS N), TOTAL					**MCL**	**E353.2 Units: mg/L**		
Nitrogen,Nitrite	ND		0.136	0.5	1	05/24/08 14:00	TW	4468008

Joann Marroquin
Project Manager

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E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

Quality Control Documentation

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Headspace Gas Analysis** **WorkOrder:** **08051781**
Method: **RSK147** **Lab Batch ID:** **R240361**

Method Blank

RunID: VARC_080606A-4485173 Units: mg/L
Analysis Date: 06/05/2008 14:28 Analyst: E_S1

Analyte	Result	Qual	Rep Limit	MDL
Ethane	ND		0.0025	0.0025
Ethylene	ND		0.0032	0.0032
Methane	ND		0.0012	0.0012

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08051781-02D	265R
08051781-03D	65R
08051781-04D	57S
08051781-05D	67R
08051781-06D	157S
08051781-07D	103R
08051781-08D	106R
08051781-09D	63R

Sample Duplicate

Original Sample: 08051781-03
RunID: VARC_080606A-4485164 Units: mg/L
Analysis Date: 06/05/2008 12:02 Analyst: E_S1

Analyte	Sample Result	DUP Result	Qual	RPD	RPD Limit
Ethane	ND	ND		0	50
Ethylene	ND	ND		0	50

Sample Duplicate

Original Sample: 08051781-03
RunID: VARC_080606A-4485175 Units: mg/L
Analysis Date: 06/05/2008 14:50 Analyst: E_S1

Analyte	Sample Result	DUP Result	Qual	RPD	RPD Limit
Methane	0.47	0.317		38	50

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Metals by Method 6010B, Total** **WorkOrder:** **08051781**
Method: **SW6010B** **Lab Batch ID:** **79944**

Method Blank

RunID: TJA_080610A-4496552 Units: mg/L
Analysis Date: 06/11/2008 3:55 Analyst: EG
Preparation Date: 06/05/2008 10:45 Prep By: DD Method: SW3010A

Analyte	Result	Qual	Rep Limit	MDL
Arsenic	ND		0.1	0.0192
Manganese	ND		0.005	0.000957

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08051781-02B	265R
08051781-03B	65R
08051781-04B	57S
08051781-05B	67R
08051781-06B	157S
08051781-07B	103R
08051781-08B	106R
08051781-09B	63R

Laboratory Control Sample (LCS)

RunID: TJA_080610A-4496553 Units: mg/L
Analysis Date: 06/11/2008 4:00 Analyst: EG
Preparation Date: 06/05/2008 10:45 Prep By: DD Method: SW3010A

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
Arsenic	1.000	0.9002	90.02		80	120
Manganese	1.000	0.9493	94.93		80	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08051735-13
RunID: TJA_080610A-4496555 Units: mg/L
Analysis Date: 06/11/2008 4:09 Analyst: EG
Preparation Date: 06/05/2008 10:45 Prep By: DD Method: SW3010A

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
Arsenic	ND		1	0.9508	95.08		1	0.8997	89.97		5.524		20	75	125
Manganese	0.001400	J	1	1.011	101.0		1	0.9518	95.04		6.038		20	75	125

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
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N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08051781**
Method: **SW8260B** **Lab Batch ID:** **R239302**

Method Blank

RunID: L_080528D-4468406 Units: ug/L
Analysis Date: 05/29/2008 5:13 Analyst: E_G
Preparation Date: 05/29/2008 5:13 Prep By: Method:

Analyte	Result	Qual	Rep Limit	MDL
1,1,1,2-Tetrachloroethane	ND		5.0	0.42
1,1,1-Trichloroethane	ND		5.0	0.25
1,1,2-Trichloroethane	ND		5.0	0.38
1,1-Dichloroethane	ND		5.0	0.28
1,1-Dichloroethene	ND		5.0	0.5
1,1-Dichloropropene	ND		5.0	0.35
1,2-Dibromoethane	ND		5.0	0.31
2-Butanone	ND		20	3.2
2-Hexanone	ND		10	0.47
4-Methyl-2-pentanone	ND		10	0.31
Acetone	ND		100	4.6
Benzene	ND		5.0	0.35
Bromodichloromethane	ND		5.0	0.25
Bromoform	ND		5.0	0.5
Bromomethane	ND		10	0.78
Carbon disulfide	ND		5.0	0.25
Carbon tetrachloride	ND		5.0	0.25
Chlorobenzene	ND		5.0	0.3
Chloroethane	ND		10	0.31
Chloroform	ND		5.0	0.24
Chloromethane	ND		10	0.3
Dibromochloromethane	ND		5.0	0.36
Dibromomethane	ND		5.0	0.3
Ethylbenzene	ND		5.0	0.34
Methylene chloride	ND		5.0	0.67
Styrene	ND		5.0	0.7
Tetrachloroethene	ND		5.0	0.49
Toluene	ND		5.0	0.25
Trichloroethene	ND		5.0	0.25
Vinyl acetate	ND		10	0.57
Vinyl chloride	ND		2.0	0.25
cis-1,2-Dichloroethene	ND		5.0	0.48
cis-1,3-Dichloropropene	ND		5.0	0.26
m,p-Xylene	ND		1.0	0.3
o-Xylene	ND		1.0	0.31
trans-1,2-Dichloroethene	ND		5.0	0.35
trans-1,3-Dichloropropene	ND		5.0	0.31
Xylenes,Total	ND		1.0	0.3
Surr: 1,2-Dichloroethane-d4	98.0		62-130	0
Surr: 4-Bromofluorobenzene	96.0		70-130	0
Surr: Toluene-d8	112.0		74-122	0

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08051781-01A	Trip Blank
08051781-02A	265R
08051781-03A	65R
08051781-04A	57S
08051781-05A	67R
08051781-06A	157S
08051781-07A	103R
08051781-08A	106R
08051781-09A	63R

Laboratory Control Sample (LCS)

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08051781**
Method: **SW8260B** **Lab Batch ID:** **R239302**

RunID: L_080528D-4468405 Units: ug/L
Analysis Date: 05/29/2008 4:48 Analyst: E_G
Preparation Date: 05/29/2008 4:48 Prep By: Method:

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
1,1,1,2-Tetrachloroethane	20.0	24.0	120		71	136
1,1,1-Trichloroethane	20.0	18.0	90.0		66	132
1,1,2-Trichloroethane	20.0	21.0	105		70	130
1,1-Dichloroethane	20.0	16.0	80.0		67	131
1,1-Dichloroethene	20.0	18.0	90.0		71	146
1,1-Dichloropropene	20.0	17.0	85.0		59	138
1,2-Dibromoethane	20.0	22.0	110		63	126
2-Butanone	120	100	83.3		20	235
2-Hexanone	20.0	19.0	95.0		34	182
4-Methyl-2-pentanone	20.0	14.0	70.0		11	145
Acetone	200	220	110		13	386
Benzene	20.0	19.0	95.0		76	126
Bromodichloromethane	20.0	20.0	100		77	138
Bromoform	20.0	18.0	90.0		55	129
Bromomethane	20.0	16.0	80.0		58	148
Carbon disulfide	20.0	16.0	80.0		46	146
Carbon tetrachloride	20.0	20.0	100		66	137
Chlorobenzene	20.0	23.0	115		67	136
Chloroethane	20.0	16.0	80.0		50	137
Chloroform	20.0	18.0	90.0		70	135
Chloromethane	20.0	14.0	70.0		51	140
Dibromochloromethane	20.0	20.0	100		69	127
Dibromomethane	20.0	19.0	95.0		74	130
Ethylbenzene	20.0	23.0	115		67	122
Methylene chloride	20.0	16.0	80.0		52	143
Styrene	20.0	20.0	100		60	139
Tetrachloroethene	20.0	28.0	140		26	200
Toluene	20.0	22.0	110		70	131
Trichloroethene	20.0	22.0	110		64	137
Vinyl acetate	20.0	12.0	60.0		10	193
Vinyl chloride	20.0	18.0	90.0		31	147
cis-1,2-Dichloroethene	20.0	19.0	95.0		70	142
cis-1,3-Dichloropropene	20.0	18.0	90.0		61	134
m,p-Xylene	40.0	48.0	120		72	150
o-Xylene	20.0	24.0	120		78	141

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
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B/V - Analyte detected in the associated Method Blank
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
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8880 INTERCHANGE DRIVE
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis:	**Volatile Organics by Method 8260B**	**WorkOrder:**	**08051781**
Method:	**SW8260B**	**Lab Batch ID:**	**R239302**

Laboratory Control Sample (LCS)

RunID:	L_080528D-4468405	Units:	ug/L
Analysis Date:	05/29/2008 4:48	Analyst:	E_G
Preparation Date:	05/29/2008 4:48	Prep By:	Method:

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
trans-1,2-Dichloroethene	20.0	18.0	90.0		67	141
trans-1,3-Dichloropropene	20.0	17.0	85.0		56	136
Xylenes,Total	60	72	120		72	150
Surr: 1,2-Dichloroethane-d4	50.0	48	96.0		62	130
Surr: 4-Bromofluorobenzene	50.0	54	108		70	130
Surr: Toluene-d8	50.0	55	110		74	122

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked:	08051781-02		
RunID:	L_080528D-4468409	Units:	ug/L
Analysis Date:	05/29/2008 6:27	Analyst:	E_G

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
1,1,1,2-Tetrachloroethane	ND		20	22.0	110		20	22.0	110		0		20	35	175
1,1,1-Trichloroethane	ND		20	16.0	80.0		20	16.0	80.0		0		20	35	175
1,1,2-Trichloroethane	ND		20	19.0	95.0		20	19.0	95.0		0		20	35	175
1,1-Dichloroethane	ND		20	15.0	75.0		20	15.0	75.0		0		20	35	175
1,1-Dichloroethene	ND		20	17.0	85.0		20	17.0	85.0		0		22	61	145
1,1-Dichloropropene	ND		20	15.0	75.0		20	15.0	75.0		0		20	35	175
1,2-Dibromoethane	ND		20	20.0	100		20	20.0	100		0		20	35	175
2-Butanone	ND		20	13.0	65.0		20	13.0	65.0		0		20	10	230
2-Hexanone	ND		20	14.0	70.0		20	13.0	65.0		7.41		20	10	250
4-Methyl-2-pentanone	ND		20	14.0	70.0		20	14.0	70.0		0		20	10	175
Acetone	ND		100	73.0	73.0		100	73.0	73.0		0		20	10	400
Benzene	25.0		20	40.0	75.0	*	20	40.0	75.0	*	0		22	76	127
Bromodichloromethane	ND		20	18.0	90.0		20	18.0	90.0		0		20	35	175
Bromoform	ND		20	18.0	90.0		20	17.0	85.0		5.71		20	35	175
Bromomethane	ND		20	16.0	80.0		20	16.0	80.0		0		20	35	175
Carbon disulfide	ND		20	16.0	80.0		20	16.0	80.0		0		20	30	225
Carbon tetrachloride	ND		20	19.0	95.0		20	18.0	90.0		5.41		20	35	175

Qualifiers:
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J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08051781**
Method: **SW8260B** **Lab Batch ID:** **R239302**

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08051781-02
RunID: L_080528D-4468409 Units: ug/L
Analysis Date: 05/29/2008 6:27 Analyst: E_G

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
Chlorobenzene	ND		20	21.0	105		20	21.0	105		0		21	70	130
Chloroethane	ND		20	16.0	80.0		20	16.0	80.0		0		20	35	175
Chloroform	ND		20	16.0	80.0		20	16.0	80.0		0		20	35	175
Chloromethane	ND		20	16.0	80.0		20	16.0	80.0		0		20	35	175
Dibromochloromethane	ND		20	19.0	95.0		20	19.0	95.0		0		20	35	175
Dibromomethane	ND		20	18.0	90.0		20	18.0	90.0		0		20	35	175
Ethylbenzene	7.00		20	28.0	105		20	28.0	105		0		20	35	175
Methylene chloride	ND		20	16.0	80.0		20	16.0	80.0		0		20	35	175
Styrene	ND		20	19.0	95.0		20	19.0	95.0		0		20	35	175
Tetrachloroethene	ND		20	22.0	110		20	22.0	110		0		20	30	250
Toluene	2.00	J	20	22.0	100		20	22.0	100		0		24	70	131
Trichloroethene	11.0		20	31.0	100		20	31.0	100		0		21	60	140
Vinyl acetate	ND		20	12.0	60.0		20	11.0	55.0		8.70		20	10	250
Vinyl chloride	ND		20	20.0	100		20	20.0	100		0		20	35	175
cis-1,2-Dichloroethene	120		20	130	N/C		20	130	N/C		N/C		20	35	175
cis-1,3-Dichloropropene	ND		20	16.0	80.0		20	16.0	80.0		0		20	35	175
m,p-Xylene	6.00		40	49.0	108		40	49.0	108		0		20	35	175
o-Xylene	ND		20	23.0	115		20	23.0	115		0		20	35	175
trans-1,2-Dichloroethene	3.00	J	20	20.0	85.0		20	20.0	85.0		0		20	35	175
trans-1,3-Dichloropropene	ND		20	17.0	85.0		20	16.0	80.0		6.06		20	35	175
Xylenes,Total	6.0		60	72	110		60	72	110		0		20	35	175
Surr: 1,2-Dichloroethane-d4	ND		50	48	96.0		50	48.0	96.0		0		30	62	130
Surr: 4-Bromofluorobenzene	ND		50	54	108		50	54.0	108		0		30	70	130
Surr: Toluene-d8	ND		50	55	110		50	55.0	110		0		30	74	122

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Nitrate Nitrogen (as N), Total** **WorkOrder:** **08051781**
Method: **E353.2** **Lab Batch ID:** **R239242**

Method Blank

RunID: WET_080524K-4467368 Units: mg/L
Analysis Date: 05/24/2008 12:07 Analyst: TW

Analyte	Result	Qual	Rep Limit	MDL
Nitrogen,Nitrate (As N)	ND		0.50	0.153

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08051781-02C	265R
08051781-03C	65R
08051781-04C	57S
08051781-05C	67R
08051781-06C	157S
08051781-07C	103R
08051781-08C	106R
08051781-09C	63R

Laboratory Control Sample (LCS)

RunID: WET_080524K-4467369 Units: mg/L
Analysis Date: 05/24/2008 12:07 Analyst: TW

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
Nitrogen,Nitrate (As N)	5.000	5.215	104.3		90	110

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08051781-02
RunID: WET_080524K-4467375 Units: mg/L
Analysis Date: 05/24/2008 12:07 Analyst: TW

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
Nitrogen,Nitrate (As N)	0.2264	J	5	4.221	79.89	*	5	4.355	82.57	*	3.127		20	90	110

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
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HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Nitrite Nitrogen (as N), Total** **WorkOrder:** **08051781**
Method: **E353.2** **Lab Batch ID:** **R239273**

Method Blank

RunID: WET_080524O-4467996 Units: mg/L
Analysis Date: 05/24/2008 14:00 Analyst: TW

Analyte	Result	Qual	Rep Limit	MDL
Nitrogen,Nitrite	ND		0.50	0.136

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08051781-02C	265R
08051781-03C	65R
08051781-04C	57S
08051781-05C	67R
08051781-06C	157S
08051781-07C	103R
08051781-08C	106R
08051781-09C	63R

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08051781-02
RunID: WET_080524O-4468000 Units: mg/L
Analysis Date: 05/24/2008 14:00 Analyst: TW

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
Nitrogen,Nitrite	ND		5	4.302	86.04	*	5	4.702	94.04		8.892		20	90	110

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

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Sample Receipt Checklist

And

Chain of Custody

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Sample Receipt Checklist

Workorder:	**08051781**	Received By:	**RE**
Date and Time Received:	**5/24/2008 10:00:00 AM**	Carrier name:	**Fedex-Standard Overnight**
Temperature:	**5.0°C**	Chilled by:	**Water Ice**

1.	**Shipping container/cooler in good condition?**	Yes ☑	No ☐	Not Present ☐
2.	**Custody seals intact on shippping container/cooler?**	Yes ☐	No ☐	Not Present ☑
3.	**Custody seals intact on sample bottles?**	Yes ☐	No ☐	Not Present ☑
4.	**Chain of custody present?**	Yes ☑	No ☐	
5.	**Chain of custody signed when relinquished and received?**	Yes ☑	No ☐	
6.	**Chain of custody agrees with sample labels?**	Yes ☑	No ☐	
7.	**Samples in proper container/bottle?**	Yes ☑	No ☐	
8.	**Sample containers intact?**	Yes ☑	No ☐	
9.	**Sufficient sample volume for indicated test?**	Yes ☑	No ☐	
10.	**All samples received within holding time?**	Yes ☑	No ☐	
11.	**Container/Temp Blank temperature in compliance?**	Yes ☑	No ☐	
12.	**Water - VOA vials have zero headspace?**	Yes ☑	No ☐	VOA Vials Not Present ☐
13.	**Water - Preservation checked upon receipt (except VOA*)?**	Yes ☑	No ☐	Not Applicable ☐

***VOA Preservation Checked After Sample Analysis**

SPL Representative: _____ **Contact Date & Time:** _____

Client Name Contacted: _____

Non Conformance Issues: _____

Client Instructions: _____

SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No. 0805 1781

295234

page ____ of ____

Client Name: ARCADIS
Address: 175 Cabot St #400 Lowell MA 01854
Phone/Fax: 9789379999 / 9789377555
Client Contact: Debra Stake Email:
Project Name/No.: Ford / MA000725
Site Name: Tibbetts
Site Location: Tibbetts Road
Invoice To: Ph:

matrix: W=water S=soil O=oil SL=sludge X=other
bottle: P=plastic A=amber glass G=glass V=vial X=other
size: 1=1 liter 4=4oz 40=vial 8=8oz 16=16oz X=other
pres.: 1=HCl 2=HNO3 3=H2SO4 X=other

Requested Analysis

SAMPLE ID	DATE	TIME	comp	grab	matrix	bottle	size	pres.	Number of Containers	VOC 8260B	As, Mn 6010B	NO3/NO2 E300	Ethene, Ethane, Methane RSK-147					
Trip Blank	—	—	—		W	V	40	1	2	✓								
265R	5.23.08	0855		X	W	P.V X	1,40,X	1,2,X	8	✓	✓	✓	✓					
65R	↓	0955		X	W	↓	↓	↓	8	✓	✓	✓	✓					
57S	↓	1040		X	W	↓	↓	↓	8	✓	✓	✓	✓					
67R	↓	1205		X	W	↓	↓	↓	8	✓	✓	✓						
157S	↓	1140		X	W	↓	↓	↓	8	✓	✓	✓	✓					
103R	↓	1410		X	W	↓	↓	↓	8	✓	✓	✓	✓					
106R	↓	1150		X	W	↓	↓	↓										
63R	✓	1420		X	W	↓	↓	↓										

RUSH

Client/Consultant Remarks: ENOVIS project # E101274

Laboratory remarks:

Intact? ☐ Y ☐ N
Ice? ☐ Y ☐ N
Temp: 5.0C

Requested TAT

Contract ☐ 72hr ☐
24hr ☐ Standard ☒
48hr ☐
Other ☐ _____

Special Reporting Requirements Results: Fax ☐ Email ☐ PDF ☐
Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐ TX TRRP ☐ LA RECAP ☐

Special Detection Limits (specify):

PM review (initial): [signature]

	date	time	
1. Relinquished by Sampler: [signature]	5/23/08	1730	2. Received by:
3. Relinquished by:			4. Received by:
5. Relinquished by:	5/24/08	1000	6. Received by Laboratory: [signature]

☒ 8880 Interchange Drive
Houston, TX 77054 (713) 660-0901

☐ 500 Ambassador Caffery Parkway
Scott, LA 70583 (337) 237-4775

☐ 459 Hughes Drive
Traverse City, MI 49686 (231) 947-5777

July 29, 2008

Debra Stake
ARCADIS
175 Cabot Street, Suite 400
Lowell, MA US 01854

Enovis project ID: E101274
Project: Tibbetts Rd. sampling
Project number: MA000725
Laboratory: Southern Petroleum Laboratory (SPL) - Houston
Laboratory submittal: 08070024
Sample date: 2008-06-30
Report received by Enovis: 2008-07-28
Initial Data Verification completed by Enovis: 2008-07-29

Data verification for the report specified above was completed using the Ford Motor Company Environmental Laboratory Technical Specification, the Enovis Standard Operating Procedure for the Verification of Environmental Analytical Data and the associated analytical methods as references for evaluating the batch QC, sample data and report content. The EPA National Functional Guidelines for validating organic and inorganic data were used as guidance when addressing out of control QC results and the associated data qualifiers.

1 Water sample(s) were analyzed for GCMS VOC, GC VOC, Metals and General Chemistry parameter(s). 1 Trip Blank sample(s) were analyzed for GCMS VOC parameter(s).

Sample/MS/MSD Surrogate Recovery, Blank/LCS Surrogate Recovery, LCS/LCD Recovery, MS/MSD Recovery, MS/MSD RPD, Sample Duplicate RPD, Blank Contamination and Hold Time Exception were reviewed as part of our verification.

Refer to the attached Sampling and Analysis Summary table.

Trip Blank results were all reported non-detect. No qualification required.

The following minor QC exceptions or missing information were noted:

Client requested 48 hour TAT. Enovis does not have any information on whether or not the requested TAT was achieved. Report submitted to Enovis for verification on day 17 after sample receipt.

GCMS VOC MS/MSD RPD for 1,2-Dibromoethane, 2-Butanone, 2-Hexanone, 4-Methyl-2-pentanone, Acetone, Chloroethane and Vinyl chloride were above the labs acceptance limit in QC batch R243509. The MS and MSD spikes recovered in control. The sample is batch QC not related to this submittal. No qualification required.

Metals MSD for Arsenic recovered low outside of the labs acceptance window in QC batch 81216. The MS spike and MS/MSD RPD recovered in control. The lab also performed a Post digestion spike which recovered slightly low outside of the labs acceptance window. The sample is batch QC not related to this submittal. No qualification required.

The definitions of the qualifiers used for this data package are defined in the analytical report. Enovis valid qualifiers are defined in the table below. To view and download a PDF copy of the laboratory's analytical report access the Enovis CLMS at http://enovis-inc.com/enovis53/index.cfm.

Please contact me if you have any questions.

Sincerely,

Tim Abston

Project Scientist

Enovis Valid Qualifiers

Valid Qualifiers	Description
<	Less than the reported concentration.
>	Greater than the reported concentration.
B	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was greater than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the reported concentration. For Inorganic methods the sample concentration was greater than the RDL and less than 10x the blank concentration and is considered non-detect at the reported concentration.
E	The analyte / Compound reported exceeds the calibration range and is considered estimated.
EMPC	Estimated Minimum Potential Contamination - Dioxin/Furan analyses only
J	Indicates an estimated value. This flag is used either when estimating a concentration for a tentatively identified compound or when the data indicates the presence of an analyte / compound but the result is less than the sample Quantitation limit, but greater than zero. The flag is also used in data validation to indicate a reported value should be considered estimated due to associated quality assurance deficiencies.
JH	The sample result is considered estimated and is potentially biased high.
JL	The sample result is considered estimated and is potentially biased low.
NJ	Tentatively identified compound with approximated concentration.
R	Indicates the value is considered to be unusable. (Note: The analyte / compound may or may not be present.)
TNTC	Too Numerous to Count - Asbestos and Microbiological Results
U	Indicates that the analyte / compound was analyzed for, but not detected.
UB	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was less than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the RDL. For Inorganic methods the sample concentration was less than the RDL and less than 10x the blank concentration and is considered non-detect at the RDL.
UJ	The analyte / compound was not detected above the reported sample Quantitation limit. However, the Quantitation limit is considered to be approximate due to associated quality assurance results and may or may not represent the actual limit of Quantitation to accurately and precisely report the analyte in the sample.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Enovis, Inc.

Certificate of Analysis Number:

08070024

Report To:	**Project Name:** E101274, Tibbetts Road
ARCADIS U.S., Inc.	**Site:** Tibbetts Rd.
Debra Stake	**Site Address:**
175 Cabot Street, Suite 400	
Lowell	**PO Number:**
MA	**State:** New Hampshire
01854-	**State Cert. No.:** 295301
ph: (978) 937-9999 fax:	**Date Reported:** 7/25/2008

This Report Contains A Total Of 22 Pages

Excluding This Page

And

Chain Of Custody

7/25/2008

Joann Marroquin
Project Manager

Date

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Case Narrative for:

Enovis, Inc.

Certificate of Analysis Number:

08070024

Report To:		**Project Name:**	**E101274, Tibbetts Road**
ARCADIS U.S., Inc.		**Site:**	**Tibbetts Rd.**
Debra Stake		**Site Address:**	
175 Cabot Street, Suite 400			
Lowell		**PO Number:**	
MA		**State:**	**New Hampshire**
01854-		**State Cert. No.:**	**295301**
ph: (978) 937-9999	**fax:**	**Date Reported:**	**7/25/2008**

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report (" mg\kg-dry " or " ug\kg-dry ").

Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

Some of the percent recoveries and RPD's on the QC report for the MS/MSD may be different than the calculated recoveries and RPD's using the sample result and the MS/MSD results that appear on the report because, the actual raw result is used to perform the calculations for percent recovery and RPD.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

7/25/2008

Joann Marroquin
Senior Project Manager

Date

Test results meet all requirements of NELAC, unless specified in the narrative.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Enovis, Inc.

Certificate of Analysis Number:

08070024

Report To: ARCADIS U.S., Inc.
Debra Stake
175 Cabot Street, Suite 400

Lowell
MA
01854-
ph: (978) 937-9999 fax: (978) 937-7555

Fax To:

Project Name: E101274, Tibbetts Road
Site: Tibbetts Rd.
Site Address:

PO Number:
State: New Hampshire
State Cert. No.: 295301
Date Reported: 7/25/2008

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
Trip Blank	08070024-01	Water	6/30/2008	7/1/2008 9:30:00 AM	295233	☐
EW-10	08070024-02	Water	6/30/2008 1:35:00 PM	7/1/2008 9:30:00 AM	295233	☐

Joann Marroquin
Senior Project Manager

7/25/2008
Date

Richard R. Reed
Laboratory Director

Ted Yen
Quality Assurance Officer

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: Trip Blank | **Collected:** 06/30/2008 0:00 | **SPL Sample ID:** 08070024-01

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	07/01/08 19:04	JC	4539932
1,1,1-Trichloroethane	ND		0.25	5	1	07/01/08 19:04	JC	4539932
1,1,2-Trichloroethane	ND		0.38	5	1	07/01/08 19:04	JC	4539932
1,1-Dichloroethane	ND		0.28	5	1	07/01/08 19:04	JC	4539932
1,1-Dichloroethene	ND		0.5	5	1	07/01/08 19:04	JC	4539932
1,1-Dichloropropene	ND		0.35	5	1	07/01/08 19:04	JC	4539932
1,2-Dibromoethane	ND		0.31	5	1	07/01/08 19:04	JC	4539932
2-Butanone	ND		3.2	20	1	07/01/08 19:04	JC	4539932
2-Hexanone	ND		0.47	10	1	07/01/08 19:04	JC	4539932
4-Methyl-2-pentanone	ND		0.31	10	1	07/01/08 19:04	JC	4539932
Acetone	ND		4.6	100	1	07/01/08 19:04	JC	4539932
Benzene	ND		0.35	5	1	07/01/08 19:04	JC	4539932
Bromodichloromethane	ND		0.25	5	1	07/01/08 19:04	JC	4539932
Bromoform	ND		0.5	5	1	07/01/08 19:04	JC	4539932
Bromomethane	ND		0.78	10	1	07/01/08 19:04	JC	4539932
Carbon disulfide	ND		0.25	5	1	07/01/08 19:04	JC	4539932
Carbon tetrachloride	ND		0.25	5	1	07/01/08 19:04	JC	4539932
Chlorobenzene	ND		0.3	5	1	07/01/08 19:04	JC	4539932
Chloroethane	ND		0.31	10	1	07/01/08 19:04	JC	4539932
Chloroform	ND		0.24	5	1	07/01/08 19:04	JC	4539932
Chloromethane	ND		0.3	10	1	07/01/08 19:04	JC	4539932
Dibromochloromethane	ND		0.36	5	1	07/01/08 19:04	JC	4539932
Dibromomethane	ND		0.3	5	1	07/01/08 19:04	JC	4539932
Ethylbenzene	ND		0.34	5	1	07/01/08 19:04	JC	4539932
Methylene chloride	ND		0.67	5	1	07/01/08 19:04	JC	4539932
Styrene	ND		0.7	5	1	07/01/08 19:04	JC	4539932
Tetrachloroethene	ND		0.49	5	1	07/01/08 19:04	JC	4539932
Toluene	ND		0.25	5	1	07/01/08 19:04	JC	4539932
Trichloroethene	ND		0.25	5	1	07/01/08 19:04	JC	4539932
Vinyl acetate	ND		0.57	10	1	07/01/08 19:04	JC	4539932
Vinyl chloride	ND		0.25	2	1	07/01/08 19:04	JC	4539932
cis-1,2-Dichloroethene	ND		0.48	5	1	07/01/08 19:04	JC	4539932
cis-1,3-Dichloropropene	ND		0.26	5	1	07/01/08 19:04	JC	4539932
m,p-Xylene	ND		0.3	1	1	07/01/08 19:04	JC	4539932
o-Xylene	ND		0.31	1	1	07/01/08 19:04	JC	4539932
trans-1,2-Dichloroethene	ND		0.35	5	1	07/01/08 19:04	JC	4539932
trans-1,3-Dichloropropene	ND		0.31	5	1	07/01/08 19:04	JC	4539932
Xylenes,Total	ND		0.3	1	1	07/01/08 19:04	JC	4539932
Surr: 1,2-Dichloroethane-d4	106		0	% 62-130	1	07/01/08 19:04	JC	4539932

Joann Marroquin
Project Manager

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: Trip Blank | **Collected:** 06/30/2008 0:00 | **SPL Sample ID:** 08070024-01

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 4-Bromofluorobenzene	100		0	%	70-130	1	07/01/08 19:04	JC	4539932
Surr: Toluene-d8	94.0		0	%	74-122	1	07/01/08 19:04	JC	4539932

Joann Marroquin
Project Manager

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: EW-10 **Collected:** 06/30/2008 13:35 **SPL Sample ID:** 08070024-02

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
HEADSPACE GAS ANALYSIS					**MCL**	**RSK147 Units: mg/L**		
Ethane	ND		0.0025	0.0025	1	07/03/08 7:59	E_S1	4543595
Ethylene	ND		0.0032	0.0032	1	07/03/08 7:59	E_S1	4543595
Methane	0.15		0.0012	0.0012	1	07/03/08 7:59	E_S1	4543595

Joann Marroquin
Project Manager

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: EW-10 **Collected:** 06/30/2008 13:35 **SPL Sample ID:** 08070024-02

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL					**MCL**	**SW6010B Units: mg/L**		
Arsenic	0.15		0.0192	0.1	1	07/24/08 0:03	EG	4587507
Manganese	7.73		0.000957	0.005	1	07/24/08 0:03	EG	4587507

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	07/02/2008 14:55	DDW	1.00

Joann Marroquin
Project Manager

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B/V - Analyte detected in the associated Method Blank above Rep.Limit
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HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: EW-10 **Collected:** 06/30/2008 13:35 **SPL Sample ID:** 08070024-02

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	07/01/08 19:32	JC	4539933
1,1,1-Trichloroethane	ND		0.25	5	1	07/01/08 19:32	JC	4539933
1,1,2-Trichloroethane	ND		0.38	5	1	07/01/08 19:32	JC	4539933
1,1-Dichloroethane	ND		0.28	5	1	07/01/08 19:32	JC	4539933
1,1-Dichloroethene	ND		0.5	5	1	07/01/08 19:32	JC	4539933
1,1-Dichloropropene	ND		0.35	5	1	07/01/08 19:32	JC	4539933
1,2-Dibromoethane	ND		0.31	5	1	07/01/08 19:32	JC	4539933
2-Butanone	ND		3.2	20	1	07/01/08 19:32	JC	4539933
2-Hexanone	ND		0.47	10	1	07/01/08 19:32	JC	4539933
4-Methyl-2-pentanone	ND		0.31	10	1	07/01/08 19:32	JC	4539933
Acetone	ND		4.6	100	1	07/01/08 19:32	JC	4539933
Benzene	2	J	0.35	5	1	07/01/08 19:32	JC	4539933
Bromodichloromethane	ND		0.25	5	1	07/01/08 19:32	JC	4539933
Bromoform	ND		0.5	5	1	07/01/08 19:32	JC	4539933
Bromomethane	ND		0.78	10	1	07/01/08 19:32	JC	4539933
Carbon disulfide	ND		0.25	5	1	07/01/08 19:32	JC	4539933
Carbon tetrachloride	ND		0.25	5	1	07/01/08 19:32	JC	4539933
Chlorobenzene	ND		0.3	5	1	07/01/08 19:32	JC	4539933
Chloroethane	ND		0.31	10	1	07/01/08 19:32	JC	4539933
Chloroform	ND		0.24	5	1	07/01/08 19:32	JC	4539933
Chloromethane	ND		0.3	10	1	07/01/08 19:32	JC	4539933
Dibromochloromethane	ND		0.36	5	1	07/01/08 19:32	JC	4539933
Dibromomethane	ND		0.3	5	1	07/01/08 19:32	JC	4539933
Ethylbenzene	750		17	250	50	07/02/08 13:03	JC	4542472
Methylene chloride	ND		0.67	5	1	07/01/08 19:32	JC	4539933
Styrene	ND		0.7	5	1	07/01/08 19:32	JC	4539933
Tetrachloroethene	ND		0.49	5	1	07/01/08 19:32	JC	4539933
Toluene	8500		12	250	50	07/02/08 13:03	JC	4542472
Trichloroethene	5		0.25	5	1	07/01/08 19:32	JC	4539933
Vinyl acetate	ND		0.57	10	1	07/01/08 19:32	JC	4539933
Vinyl chloride	ND		0.25	2	1	07/01/08 19:32	JC	4539933
cis-1,2-Dichloroethene	1	J	0.48	5	1	07/01/08 19:32	JC	4539933
cis-1,3-Dichloropropene	ND		0.26	5	1	07/01/08 19:32	JC	4539933
m,p-Xylene	2300		15	50	50	07/02/08 13:03	JC	4542472
o-Xylene	1200		16	50	50	07/02/08 13:03	JC	4542472
trans-1,2-Dichloroethene	ND		0.35	5	1	07/01/08 19:32	JC	4539933
trans-1,3-Dichloropropene	ND		0.31	5	1	07/01/08 19:32	JC	4539933
Xylenes,Total	3500		15	50	50	07/02/08 13:03	JC	4542472
Surr: 1,2-Dichloroethane-d4	100		0 %	62-130	50	07/02/08 13:03	JC	4542472

Joann Marroquin
Project Manager

Qualifiers:
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MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: EW-10 **Collected:** 06/30/2008 13:35 **SPL Sample ID:** 08070024-02

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 1,2-Dichloroethane-d4	102		0	%	62-130	1	07/01/08 19:32	JC	4539933
Surr: 4-Bromofluorobenzene	100		0	%	70-130	50	07/02/08 13:03	JC	4542472
Surr: 4-Bromofluorobenzene	100		0	%	70-130	1	07/01/08 19:32	JC	4539933
Surr: Toluene-d8	98.0		0	%	74-122	1	07/01/08 19:32	JC	4539933
Surr: Toluene-d8	104		0	%	74-122	50	07/02/08 13:03	JC	4542472

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: EW-10 **Collected:** 06/30/2008 13:35 **SPL Sample ID:** 08070024-02

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ION CHROMATOGRAPHY				**MCL**		**E300.0 Units: mg/L**		
Nitrogen,Nitrate (As N)	ND		0.027	0.5	1	07/01/08 16:52	A_E	4540221
Nitrogen,Nitrite (As N)	0.042	J	0.0263	0.5	1	07/01/08 16:52	A_E	4540221

Joann Marroquin
Project Manager

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

Quality Control Documentation

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Headspace Gas Analysis** **WorkOrder:** **08070024**
Method: **RSK147** **Lab Batch ID:** **R243712**

Method Blank

RunID: VARC_080703A-4543597 Units: mg/L
Analysis Date: 07/03/2008 9:52 Analyst: E_S1

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08070024-02B	EW-10

Analyte	Result	Qual	Rep Limit	MDL
Ethane	ND		0.0025	0.0025
Ethylene	ND		0.0032	0.0032
Methane	ND		0.0012	0.0012

Sample Duplicate

Original Sample: 08070024-02
RunID: VARC_080703A-4543595 Units: mg/L
Analysis Date: 07/03/2008 7:59 Analyst: E_S1

Analyte	Sample Result	DUP Result	Qual	RPD	RPD Limit
Ethane	ND	ND		0	50
Ethylene	ND	ND		0	50
Methane	0.15	0.181		17	50

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Metals by Method 6010B, Total** **WorkOrder:** **08070024**
Method: **SW6010B** **Lab Batch ID:** **81216**

Method Blank

RunID: TJA_080723C-4587497 Units: mg/L
Analysis Date: 07/23/2008 23:17 Analyst: EG
Preparation Date: 07/02/2008 14:55 Prep By: DD Method: SW3010A

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08070024-02C	EW-10

Analyte	Result	Qual	Rep Limit	MDL
Arsenic	ND		0.1	0.0192
Manganese	ND		0.005	0.000957

Laboratory Control Sample (LCS)

RunID: TJA_080723C-4587498 Units: mg/L
Analysis Date: 07/23/2008 23:22 Analyst: EG
Preparation Date: 07/02/2008 14:55 Prep By: DD Method: SW3010A

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
Arsenic	1.000	0.9078	90.78		80	120
Manganese	1.000	0.9665	96.65		80	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08061835-24
RunID: TJA_080723C-4587500 Units: mg/L
Analysis Date: 07/23/2008 23:31 Analyst: EG
Preparation Date: 07/02/2008 14:55 Prep By: Method: SW3010A

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
Arsenic	0.04713	J	1	0.7978	75.07		1	0.7287	68.16	*	9.051		20	75	125
Manganese	2.810		1	3.657	84.71		1	3.627	81.71		0.8223		20	75	125

Post Digestion Spike (PDS) / Post Digestion Spike Duplicate (PDSD)

Sample Spiked: 08061835-24
RunID: TJA_080723C-4587503 Units: mg/L
Analysis Date: 07/23/2008 23:44 Analyst: EG

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Metals by Method 6010B, Total** **WorkOrder:** **08070024**
Method: **SW6010B** **Lab Batch ID:** **81216**

Analyte	Sample Result	PDS Spike Added	PDS Result	PDS % Recovery	PDSD Spike Added	PDSD Result	PDSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Arsenic	0.0471	1	0.7683	72.11 *	1	0.7944	74.73 *	3.343	20	75	125

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
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J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis:	**Volatile Organics by Method 8260B**	**WorkOrder:**	**08070024**
Method:	**SW8260B**	**Lab Batch ID:**	**R243509**

Method Blank

RunID:	Q_080701A-4539925	Units:	ug/L
Analysis Date:	07/01/2008 12:55	Analyst:	JC
Preparation Date:	07/01/2008 12:55	Prep By:	Method:

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08070024-01A	Trip Blank
08070024-02A	EW-10

Analyte	Result	Qual	Rep Limit	MDL
1,1,1,2-Tetrachloroethane	ND		5.0	0.42
1,1,1-Trichloroethane	ND		5.0	0.25
1,1,2-Trichloroethane	ND		5.0	0.38
1,1-Dichloroethane	ND		5.0	0.28
1,1-Dichloroethene	ND		5.0	0.5
1,1-Dichloropropene	ND		5.0	0.35
1,2-Dibromoethane	ND		5.0	0.31
2-Butanone	ND		20	3.2
2-Hexanone	ND		10	0.47
4-Methyl-2-pentanone	ND		10	0.31
Acetone	ND		100	4.6
Benzene	ND		5.0	0.35
Bromodichloromethane	ND		5.0	0.25
Bromoform	ND		5.0	0.5
Bromomethane	ND		10	0.78
Carbon disulfide	ND		5.0	0.25
Carbon tetrachloride	ND		5.0	0.25
Chlorobenzene	ND		5.0	0.3
Chloroethane	ND		10	0.31
Chloroform	ND		5.0	0.24
Chloromethane	ND		10	0.3
Dibromochloromethane	ND		5.0	0.36
Dibromomethane	ND		5.0	0.3
Ethylbenzene	ND		5.0	0.34
Methylene chloride	ND		5.0	0.67
Styrene	ND		5.0	0.7
Tetrachloroethene	ND		5.0	0.49
Toluene	ND		5.0	0.25
Trichloroethene	ND		5.0	0.25
Vinyl acetate	ND		10	0.57
Vinyl chloride	ND		2.0	0.25
cis-1,2-Dichloroethene	ND		5.0	0.48
cis-1,3-Dichloropropene	ND		5.0	0.26
m,p-Xylene	ND		1.0	0.3
o-Xylene	ND		1.0	0.31
trans-1,2-Dichloroethene	ND		5.0	0.35
trans-1,3-Dichloropropene	ND		5.0	0.31
Xylenes,Total	ND		1.0	0.3
Surr: 1,2-Dichloroethane-d4	100.0		62-130	0
Surr: 4-Bromofluorobenzene	102.0		70-130	0
Surr: Toluene-d8	102.0		74-122	0

Laboratory Control Sample (LCS)

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08070024**
Method: **SW8260B** **Lab Batch ID:** **R243509**

RunID: Q_080701A-4539924 Units: ug/L
Analysis Date: 07/01/2008 12:27 Analyst: JC
Preparation Date: 07/01/2008 12:27 Prep By: Method:

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
1,1,1,2-Tetrachloroethane	20.0	20.0	100		71	136
1,1,1-Trichloroethane	20.0	20.0	100		66	132
1,1,2-Trichloroethane	20.0	19.0	95.0		70	130
1,1-Dichloroethane	20.0	20.0	100		67	131
1,1-Dichloroethene	20.0	20.0	100		71	146
1,1-Dichloropropene	20.0	19.0	95.0		59	138
1,2-Dibromoethane	20.0	19.0	95.0		63	126
2-Butanone	120	85.0	70.8		20	235
2-Hexanone	20.0	14.0	70.0		34	182
4-Methyl-2-pentanone	20.0	15.0	75.0		11	145
Acetone	200	170	85.0		13	386
Benzene	20.0	18.0	90.0		76	126
Bromodichloromethane	20.0	19.0	95.0		77	138
Bromoform	20.0	16.0	80.0		55	129
Bromomethane	20.0	21.0	105		58	148
Carbon disulfide	20.0	18.0	90.0		46	146
Carbon tetrachloride	20.0	18.0	90.0		66	137
Chlorobenzene	20.0	20.0	100		67	136
Chloroethane	20.0	19.0	95.0		50	137
Chloroform	20.0	20.0	100		70	135
Chloromethane	20.0	18.0	90.0		51	140
Dibromochloromethane	20.0	18.0	90.0		69	127
Dibromomethane	20.0	19.0	95.0		74	130
Ethylbenzene	20.0	20.0	100		67	122
Methylene chloride	20.0	19.0	95.0		52	143
Styrene	20.0	19.0	95.0		60	139
Tetrachloroethene	20.0	22.0	110		26	200
Toluene	20.0	18.0	90.0		70	131
Trichloroethene	20.0	20.0	100		64	137
Vinyl acetate	20.0	17.0	85.0		10	193
Vinyl chloride	20.0	21.0	105		31	147
cis-1,2-Dichloroethene	20.0	21.0	105		70	142
cis-1,3-Dichloropropene	20.0	16.0	80.0		61	134
m,p-Xylene	40.0	40.0	100		72	150
o-Xylene	20.0	21.0	105		78	141

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
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J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis:	**Volatile Organics by Method 8260B**	**WorkOrder:**	**08070024**
Method:	**SW8260B**	**Lab Batch ID:**	**R243509**

Laboratory Control Sample (LCS)

RunID:	Q_080701A-4539924	Units:	ug/L
Analysis Date:	07/01/2008 12:27	Analyst:	JC
Preparation Date:	07/01/2008 12:27	Prep By:	Method:

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
trans-1,2-Dichloroethene	20.0	20.0	100		67	141
trans-1,3-Dichloropropene	20.0	16.0	80.0		56	136
Xylenes,Total	60	61	100		72	150
Surr: 1,2-Dichloroethane-d4	50.0	49	98.0		62	130
Surr: 4-Bromofluorobenzene	50.0	52	104		70	130
Surr: Toluene-d8	50.0	52	104		74	122

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked:	08061910-01		
RunID:	Q_080701A-4539927	Units:	ug/L
Analysis Date:	07/01/2008 13:51	Analyst:	JC

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
1,1,1,2-Tetrachloroethane	ND		20	20.0	100		20	18.0	90.0		10.5		20	35	175
1,1,1-Trichloroethane	ND		20	20.0	100		20	20.0	100		0		20	35	175
1,1,2-Trichloroethane	ND		20	14.0	70.0		20	12.0	60.0		15.4		20	35	175
1,1-Dichloroethane	ND		20	20.0	100		20	20.0	100		0		20	35	175
1,1-Dichloroethene	ND		20	20.0	100		20	20.0	100		0		22	61	145
1,1-Dichloropropene	ND		20	20.0	100		20	20.0	100		0		20	35	175
1,2-Dibromoethane	ND		20	14.0	70.0		20	11.0	55.0		24.0	*	20	35	175
2-Butanone	ND		20	11.0	55.0		20	8.00	40.0		31.6	*	20	10	230
2-Hexanone	ND		20	9.00	45.0		20	7.00	35.0		25.0	*	20	10	250
4-Methyl-2-pentanone	ND		20	8.00	40.0		20	6.00	30.0		28.6	*	20	10	175
Acetone	ND		100	60.0	60.0		100	44.0	44.0		30.8	*	20	10	400
Benzene	ND		20	19.0	95.0		20	19.0	95.0		0		22	76	127
Bromodichloromethane	ND		20	17.0	85.0		20	16.0	80.0		6.06		20	35	175
Bromoform	ND		20	11.0	55.0		20	9.00	45.0		20.0		20	35	175
Bromomethane	ND		20	23.0	115		20	22.0	110		4.44		20	35	175
Carbon disulfide	ND		20	20.0	100		20	20.0	100		0		20	30	225
Carbon tetrachloride	ND		20	20.0	100		20	19.0	95.0		5.13		20	35	175

Qualifiers:
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08070024**
Method: **SW8260B** **Lab Batch ID:** **R243509**

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08061910-01
RunID: Q_080701A-4539927 Units: ug/L
Analysis Date: 07/01/2008 13:51 Analyst: JC

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
Chlorobenzene	ND		20	21.0	105		20	20.0	100		4.88		21	70	130
Chloroethane	ND		20	20.0	100		20	14.0	70.0		35.3	*	20	35	175
Chloroform	ND		20	20.0	100		20	19.0	95.0		5.13		20	35	175
Chloromethane	ND		20	20.0	100		20	19.0	95.0		5.13		20	35	175
Dibromochloromethane	ND		20	15.0	75.0		20	13.0	65.0		14.3		20	35	175
Dibromomethane	ND		20	14.0	70.0		20	12.0	60.0		15.4		20	35	175
Ethylbenzene	ND		20	21.0	105		20	21.0	105		0		20	35	175
Methylene chloride	ND		20	18.0	90.0		20	17.0	85.0		5.71		20	35	175
Styrene	ND		20	18.0	90.0		20	17.0	85.0		5.71		20	35	175
Tetrachloroethene	ND		20	20.0	100		20	20.0	100		0		20	30	250
Toluene	ND		20	19.0	95.0		20	19.0	95.0		0		24	70	131
Trichloroethene	ND		20	20.0	100		20	20.0	100		0		21	60	140
Vinyl acetate	ND		20	12.0	60.0		20	9.00	45.0		28.6	*	20	10	250
Vinyl chloride	ND		20	22.0	110		20	22.0	110		0		20	35	175
cis-1,2-Dichloroethene	ND		20	20.0	100		20	19.0	95.0		5.13		20	35	175
cis-1,3-Dichloropropene	ND		20	15.0	75.0		20	13.0	65.0		14.3		20	35	175
m,p-Xylene	ND		40	42.0	105		40	43.0	108		2.35		20	35	175
o-Xylene	ND		20	21.0	105		20	20.0	100		4.88		20	35	175
trans-1,2-Dichloroethene	ND		20	20.0	100		20	20.0	100		0		20	35	175
trans-1,3-Dichloropropene	ND		20	13.0	65.0		20	11.0	55.0		16.7		20	35	175
Xylenes,Total	ND		60	63	100		60	63	100		0		20	35	175
Surr: 1,2-Dichloroethane-d4	ND		50	40	80.0		50	35.0	70.0		13.3		30	62	130
Surr: 4-Bromofluorobenzene	ND		50	51	102		50	49.0	98.0		4.00		30	70	130
Surr: Toluene-d8	ND		50	53	106		50	54.0	108		1.87		30	74	122

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
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J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08070024**
Method: **SW8260B** **Lab Batch ID:** **R243648**

Method Blank

RunID: Q_080702A-4542445 Units: ug/L
Analysis Date: 07/02/2008 3:48 Analyst: JC
Preparation Date: 07/02/2008 3:48 Prep By: Method:

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08070024-02A	EW-10

Analyte	Result	Qual	Rep Limit	MDL
Ethylbenzene	ND		5.0	0.34
Toluene	ND		5.0	0.25
m,p-Xylene	ND		1.0	0.3
o-Xylene	ND		1.0	0.31
Xylenes,Total	ND		1.0	0.3
Surr: 1,2-Dichloroethane-d4	102.0		62-130	0
Surr: 4-Bromofluorobenzene	102.0		70-130	0
Surr: Toluene-d8	104.0		74-122	0

Laboratory Control Sample (LCS)

RunID: Q_080702A-4542444 Units: ug/L
Analysis Date: 07/02/2008 3:20 Analyst: JC
Preparation Date: 07/02/2008 3:20 Prep By: Method:

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
Ethylbenzene	20.0	20.0	100		67	122
Toluene	20.0	19.0	95.0		70	131
m,p-Xylene	40.0	42.0	105		72	150
o-Xylene	20.0	21.0	105		78	141
Xylenes,Total	60	63	100		72	150
Surr: 1,2-Dichloroethane-d4	50.0	51	102		62	130
Surr: 4-Bromofluorobenzene	50.0	52	104		70	130
Surr: Toluene-d8	50.0	52	104		74	122

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08061739-09
RunID: Q_080702A-4542455 Units: ug/L
Analysis Date: 07/02/2008 12:07 Analyst: JC

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit

Qualifiers:
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J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08070024**
Method: **SW8260B** **Lab Batch ID:** **R243648**

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08061739-09
RunID: Q_080702A-4542455 Units: ug/L
Analysis Date: 07/02/2008 12:07 Analyst: JC

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
Ethylbenzene	ND		20	20.0	100		20	20.0	100		0		20	35	175
Toluene	ND		20	19.0	95.0		20	19.0	95.0		0		24	70	131
m,p-Xylene	ND		40	40.0	100		40	40.0	100		0		20	35	175
o-Xylene	ND		20	20.0	100		20	20.0	100		0		20	35	175
Xylenes,Total	ND		60	60	100		60	60	100		0		20	35	175
Surr: 1,2-Dichloroethane-d4	ND		50	50	100		50	49.0	98.0		2.02		30	62	130
Surr: 4-Bromofluorobenzene	ND		50	52	104		50	51.0	102		1.94		30	70	130
Surr: Toluene-d8	ND		50	52	104		50	52.0	104		0		30	74	122

Qualifiers:
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E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Ion Chromatography** **WorkOrder:** **08070024**
Method: **E300.0** **Lab Batch ID:** **R243534**

Method Blank

RunID: IC1_080701A-4540205 Units: mg/L
Analysis Date: 07/01/2008 12:12 Analyst: A_E

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08070024-02D	EW-10

Analyte	Result	Qual	Rep Limit	MDL
Nitrogen,Nitrate (As N)	ND		0.50	0.027
Nitrogen,Nitrite (As N)	ND		0.50	0.0263

Laboratory Control Sample (LCS)

RunID: IC1_080701A-4540206 Units: mg/L
Analysis Date: 07/01/2008 12:28 Analyst: A_E

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
Nitrogen,Nitrate (As N)	10.00	9.486	94.86		85	115
Nitrogen,Nitrite (As N)	10.00	8.727	87.27		85	115

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08070010-02
RunID: IC1_080701A-4540210 Units: mg/L
Analysis Date: 07/01/2008 13:34 Analyst: A_E

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
Nitrogen,Nitrate (As N)	2.405		20	21.19	93.90		20	21.18	93.88		0.02360		20	80	120
Nitrogen,Nitrite (As N)	ND		20	17.07	85.34		20	17.02	85.11		0.2640		20	80	120

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

Sample Receipt Checklist

And

Chain of Custody

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Sample Receipt Checklist

Workorder:	**08070024**	Received By:	**L_C**
Date and Time Received:	**7/1/2008 9:30:00 AM**	Carrier name:	**Fedex-Priority**
Temperature:	**1.0°C**	Chilled by:	**Water Ice**

1.	**Shipping container/cooler in good condition?**	Yes ☑	No ☐	Not Present ☐
2.	**Custody seals intact on shippping container/cooler?**	Yes ☑	No ☐	Not Present ☐
3.	**Custody seals intact on sample bottles?**	Yes ☐	No ☐	Not Present ☑
4.	**Chain of custody present?**	Yes ☑	No ☐	
5.	**Chain of custody signed when relinquished and received?**	Yes ☑	No ☐	
6.	**Chain of custody agrees with sample labels?**	Yes ☑	No ☐	
7.	**Samples in proper container/bottle?**	Yes ☑	No ☐	
8.	**Sample containers intact?**	Yes ☑	No ☐	
9.	**Sufficient sample volume for indicated test?**	Yes ☑	No ☐	
10.	**All samples received within holding time?**	Yes ☑	No ☐	
11.	**Container/Temp Blank temperature in compliance?**	Yes ☑	No ☐	
12.	**Water - VOA vials have zero headspace?**	Yes ☑	No ☐	VOA Vials Not Present ☐
13.	**Water - Preservation checked upon receipt (except VOA*)?**	Yes ☑	No ☐	Not Applicable ☐

***VOA Preservation Checked After Sample Analysis**

SPL Representative: _____ **Contact Date & Time:** _____

Client Name Contacted: _____

Non Conformance Issues: _____

Client Instructions: _____

SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No. 295233

0807 0024

page 1 of 1

Client Name: ARCADIS
Address: 175 Cabot St #400 lowell MA 01854
Phone/Fax: 9789379999 / 9789377555
Client Contact: Debra Stake Email:
Project Name/No.: Ford / MA000725
Site Name: Tibbetts
Site Location: Tibbetts Road
Invoice To: Ph:

SAMPLE ID	DATE	TIME	comp	grab	matrix (W=water S=soil SL=sludge O=oil X=other)	bottle (P=plastic A=amber glass G=glass V=vial X=other)	size (1=1 liter 4=4oz 40=vial 8=8oz 16=16oz X=other)	pres. (1=HCl 2=HNO3 3=H2SO4 X=other)	Number of Containers	VOC 8260B	As, Mn 6010B	NO3/NO2 E300	Ethene Ethane Methane RSK-147					
Trip Blank	—	—	—	—	W	V	40	1	2	X								
EW-10	6/30/08	1335			W	V/P	1/40/X	1/2/X	8	X	X	X	X					

Client/Consultant Remarks: 48hour TAT. See Elecka Brown
ENOVIS project #E101274

Laboratory remarks:

Intact? ☐ Y ☐ N
Ice? ☐ Y ☐ N
Temp: 1.0°C

Requested TAT

Contract ☐ 72hr ☐
24hr ☐ Standard ☒
48hr ☒
Other ☐ _____

Special Reporting Requirements Results: Fax ☐ Email ☐ PDF ☐
Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐ TX TRRP ☐ LA RECAP ☐

Special Detection Limits (specify):

PM review (initial): JM

1. Relinquished by Sampler: [signature]	date 6/30/08	time 1630	2. Received by:
3. Relinquished by:	date	time	4. Received by:
5. Relinquished by:	date 7/1/08	time 9:30	6. Received by Laboratory:

☒ 8880 Interchange Drive
Houston, TX 77054 (713) 660-0901

☐ 500 Ambassador Caffery Parkway
Scott, LA 70583 (337) 237-4775

☐ 459 Hughes Drive
Traverse City, MI 49686 (231) 947-5777

December 10, 2008

Debra Stake
ARCADIS
175 Cabot Street, Suite 400
Lowell, MA US 01854

Enovis project ID: E101274
Project: Tibbetts Rd. sampling
Project number: MA000725
Laboratory: Southern Petroleum Laboratory (SPL) - Houston
Laboratory submittal: 08110878
Sample date: 2008-11-17
Report received by Enovis: 2008-12-09
Initial Data Verification completed by Enovis: 2008-12-10

Data verification for the report specified above was completed using the Ford Motor Company Environmental Laboratory Technical Specification, the Enovis Standard Operating Procedure for the Verification of Environmental Analytical Data and the associated analytical methods as references for evaluating the batch QC, sample data and report content. The EPA National Functional Guidelines for validating organic and inorganic data were used as guidance when addressing out of control QC results and the associated data qualifiers.

4 Water sample(s) and 1trip blank were analyzed for GCMS VOC and Metals parameter(s).

Sample/MS/MSD Surrogate Recovery, Blank/LCS Surrogate Recovery, LCS/LCD Recovery, MS/MSD Recovery, MS/MSD RPD, Blank Contamination and Hold Time Exception were reviewed as part of our verification.

Analytical results reported between RDL and MDL are flagged 'J' and considered estimated values.

The following minor QC exceptions or missing information were noted:

GCMS VOC trip blank was non-detect for all target analytes.

Metals MS/MSD recoveries performed on client sample -005 were not considered reliable and not used to qualify sample results for Manganese due to elevated levels of target analyte in the original sample matrix relative to the amount spiked (4X rule).

The definitions of the qualifiers used for this data package are defined in the analytical report. Enovis valid qualifiers are defined in the table below. To view and download a PDF copy of the laboratory's analytical report access the Enovis CLMS at http://enovis-inc.com/enovis53/index.cfm.

Please contact me if you have any questions.

Sincerely,

Jim Tomalia

Project Scientist

Enovis Valid Qualifiers

Valid Qualifiers	Description
<	Less than the reported concentration.
>	Greater than the reported concentration.
B	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was greater than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the reported concentration. For Inorganic methods the sample concentration was greater than the RDL and less than 10x the blank concentration and is considered non-detect at the reported concentration.
E	The analyte / Compound reported exceeds the calibration range and is considered estimated.
EMPC	Estimated Minimum Potential Contamination - Dioxin/Furan analyses only.
J	Indicates an estimated value. This flag is used either when estimating a concentration for a tentatively identified compound or when the data indicates the presence of an analyte / compound but the result is less than the sample Quantitation limit, but greater than zero. The flag is also used in data validation to indicate a reported value should be considered estimated due to associated quality assurance deficiencies.
JH	The sample result is considered estimated and is potentially biased high.
JL	The sample result is considered estimated and is potentially biased low.
NJ	Tentatively identified compound with approximated concentration.
R	Indicates the value is considered to be unusable. (Note: The analyte / compound may or may not be present.)
TNTC	Too Numerous to Count - Asbestos and Microbiological Results.
U	Indicates that the analyte / compound was analyzed for, but not detected.
UB	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was less than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the RDL. For Inorganic methods the sample concentration was less than the RDL and less than 10x the blank concentration and is considered non-detect at the RDL.
UJ	The analyte / compound was not detected above the reported sample Quantitation limit. However, the Quantitation limit is considered to be approximate due to associated quality assurance results and may or may not represent the actual limit of Quantitation to accurately and precisely report the analyte in the sample.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Enovis, Inc.

Certificate of Analysis Number:

08110878

Report To:	**Project Name:** E101274, Tibbetts Road
ARCADIS U.S., Inc.	**Site:** Tibbetts Rd.
Debra Stake	**Site Address:**
2 Executive Dr #303	
Chelmsford	**PO Number:**
MA	**State:** New Hampshire
01824-	**State Cert. No.:** 295301
ph: (978) 937-9999 fax:	**Date Reported:**

This Report Contains A Total Of 28 Pages

Excluding This Page

And

Chain Of Custody

12/9/2008

Joann Marroquin
Project Manager

Date

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Case Narrative for:

Enovis, Inc.

Certificate of Analysis Number:

08110878

Report To:		**Project Name:**	**E101274, Tibbetts Road**
ARCADIS U.S., Inc.		**Site:**	**Tibbetts Rd.**
Debra Stake		**Site Address:**	
2 Executive Dr #303			
Chelmsford		**PO Number:**	
MA		**State:**	**New Hampshire**
01824-		**State Cert. No.:**	**295301**
ph: (978) 937-9999	**fax:**	**Date Reported:**	

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report (" mg\kg-dry " or " ug\kg-dry ").

Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

Some of the percent recoveries and RPD's on the QC report for the MS/MSD may be different than the calculated recoveries and RPD's using the sample result and the MS/MSD results that appear on the report because, the actual raw result is used to perform the calculations for percent recovery and RPD.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

12/9/2008

Joann Marroquin
Senior Project Manager

Date

Test results meet all requirements of NELAC, unless specified in the narrative.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Enovis, Inc.

Certificate of Analysis Number:

08110878

Report To: ARCADIS U.S., Inc.
Debra Stake
2 Executive Dr #303

Chelmsford
MA
01824-
ph: (978) 937-9999 fax: (978) 937-7555

Fax To:

Project Name: E101274, Tibbetts Road
Site: Tibbetts Rd.
Site Address:

PO Number:
State: New Hampshire
State Cert. No.: 295301
Date Reported:

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
Trip Blank	08110878-01	Water	11/17/2008	11/18/2008 9:30:00 AM	312503	☐
EW-3S	08110878-02	Water	11/17/2008 1:40:00 PM	11/18/2008 9:30:00 AM	312503	☐
75D	08110878-03	Water	11/17/2008 2:40:00 PM	11/18/2008 9:30:00 AM	312503	☐
51S	08110878-04	Water	11/17/2008 1:25:00 PM	11/18/2008 9:30:00 AM	312503	☐
51SMS	08110878-04MS	Water	11/17/2008 1:25:00 PM	11/18/2008 9:30:00 AM	312503	☐
51SMSD	08110878-04MSD	Water	11/17/2008 1:25:00 PM	11/18/2008 9:30:00 AM	312503	☐
EW-10S	08110878-05	Water	11/17/2008 2:50:00 PM	11/18/2008 9:30:00 AM	312503	☐

12/9/2008
Date

Joann Marroquin
Senior Project Manager

Richard R. Reed
Laboratory Director

Ted Yen
Quality Assurance Officer

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: Trip Blank | **Collected:** 11/17/2008 0:00 | **SPL Sample ID:** 08110878-01

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	11/22/08 20:33	LU_L	4784499
1,1,1-Trichloroethane	ND		0.25	5	1	11/22/08 20:33	LU_L	4784499
1,1,2-Trichloroethane	ND		0.38	5	1	11/22/08 20:33	LU_L	4784499
1,1-Dichloroethane	ND		0.28	5	1	11/22/08 20:33	LU_L	4784499
1,1-Dichloroethene	ND		0.5	5	1	11/22/08 20:33	LU_L	4784499
1,1-Dichloropropene	ND		0.35	5	1	11/22/08 20:33	LU_L	4784499
1,2-Dibromoethane	ND		0.31	5	1	11/22/08 20:33	LU_L	4784499
2-Butanone	ND		3.2	20	1	11/22/08 20:33	LU_L	4784499
2-Hexanone	ND		0.47	10	1	11/22/08 20:33	LU_L	4784499
4-Methyl-2-pentanone	ND		0.31	10	1	11/22/08 20:33	LU_L	4784499
Acetone	ND		4.6	100	1	11/22/08 20:33	LU_L	4784499
Benzene	ND		0.35	5	1	11/22/08 20:33	LU_L	4784499
Bromodichloromethane	ND		0.25	5	1	11/22/08 20:33	LU_L	4784499
Bromoform	ND		0.5	5	1	11/22/08 20:33	LU_L	4784499
Bromomethane	ND		0.78	10	1	11/22/08 20:33	LU_L	4784499
Carbon disulfide	ND		0.25	5	1	11/22/08 20:33	LU_L	4784499
Carbon tetrachloride	ND		0.25	5	1	11/22/08 20:33	LU_L	4784499
Chlorobenzene	ND		0.3	5	1	11/22/08 20:33	LU_L	4784499
Chloroethane	ND		0.31	10	1	11/22/08 20:33	LU_L	4784499
Chloroform	ND		0.24	5	1	11/22/08 20:33	LU_L	4784499
Chloromethane	ND		0.3	10	1	11/22/08 20:33	LU_L	4784499
Dibromochloromethane	ND		0.36	5	1	11/22/08 20:33	LU_L	4784499
Dibromomethane	ND		0.3	5	1	11/22/08 20:33	LU_L	4784499
Ethylbenzene	ND		0.34	5	1	11/22/08 20:33	LU_L	4784499
Methylene chloride	ND		0.67	5	1	11/22/08 20:33	LU_L	4784499
Styrene	ND		0.7	5	1	11/22/08 20:33	LU_L	4784499
Tetrachloroethene	ND		0.49	5	1	11/22/08 20:33	LU_L	4784499
Toluene	ND		0.25	5	1	11/22/08 20:33	LU_L	4784499
Trichloroethene	ND		0.25	5	1	11/22/08 20:33	LU_L	4784499
Vinyl acetate	ND		0.57	10	1	11/22/08 20:33	LU_L	4784499
Vinyl chloride	ND		0.25	2	1	11/22/08 20:33	LU_L	4784499
cis-1,2-Dichloroethene	ND		0.48	5	1	11/22/08 20:33	LU_L	4784499
cis-1,3-Dichloropropene	ND		0.26	5	1	11/22/08 20:33	LU_L	4784499
m,p-Xylene	ND		0.3	1	1	11/22/08 20:33	LU_L	4784499
o-Xylene	ND		0.31	1	1	11/22/08 20:33	LU_L	4784499
trans-1,2-Dichloroethene	ND		0.35	5	1	11/22/08 20:33	LU_L	4784499
trans-1,3-Dichloropropene	ND		0.31	5	1	11/22/08 20:33	LU_L	4784499
Xylenes,Total	ND		0.3	1	1	11/22/08 20:33	LU_L	4784499
Surr: 1,2-Dichloroethane-d4	92.0		0	% 62-130	1	11/22/08 20:33	LU_L	4784499

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: Trip Blank | **Collected:** 11/17/2008 0:00 | **SPL Sample ID:** 08110878-01

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 4-Bromofluorobenzene	104		0	%	70-130	1	11/22/08 20:33	LU_L	4784499
Surr: Toluene-d8	106		0	%	74-122	1	11/22/08 20:33	LU_L	4784499

Joann Marroquin
Project Manager

Qualifiers:

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TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: EW-3S **Collected:** 11/17/2008 13:40 **SPL Sample ID:** 08110878-02

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B**	**Units: mg/L**		
Arsenic	ND		0.0261	0.1	1	11/24/08 22:40	S_C	4787577
Manganese	0.0502		0.0006	0.005	1	11/24/08 22:40	S_C	4787577

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	11/19/2008 17:00	AB1	1.00

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
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E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: EW-3S **Collected:** 11/17/2008 13:40 **SPL Sample ID:** 08110878-02

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	11/22/08 22:32	LU_L	4784503
1,1,1-Trichloroethane	ND		0.25	5	1	11/22/08 22:32	LU_L	4784503
1,1,2-Trichloroethane	ND		0.38	5	1	11/22/08 22:32	LU_L	4784503
1,1-Dichloroethane	ND		0.28	5	1	11/22/08 22:32	LU_L	4784503
1,1-Dichloroethene	ND		0.5	5	1	11/22/08 22:32	LU_L	4784503
1,1-Dichloropropene	ND		0.35	5	1	11/22/08 22:32	LU_L	4784503
1,2-Dibromoethane	ND		0.31	5	1	11/22/08 22:32	LU_L	4784503
2-Butanone	ND		3.2	20	1	11/22/08 22:32	LU_L	4784503
2-Hexanone	ND		0.47	10	1	11/22/08 22:32	LU_L	4784503
4-Methyl-2-pentanone	ND		0.31	10	1	11/22/08 22:32	LU_L	4784503
Acetone	ND		4.6	100	1	11/22/08 22:32	LU_L	4784503
Benzene	ND		0.35	5	1	11/22/08 22:32	LU_L	4784503
Bromodichloromethane	ND		0.25	5	1	11/22/08 22:32	LU_L	4784503
Bromoform	ND		0.5	5	1	11/22/08 22:32	LU_L	4784503
Bromomethane	ND		0.78	10	1	11/22/08 22:32	LU_L	4784503
Carbon disulfide	ND		0.25	5	1	11/22/08 22:32	LU_L	4784503
Carbon tetrachloride	ND		0.25	5	1	11/22/08 22:32	LU_L	4784503
Chlorobenzene	ND		0.3	5	1	11/22/08 22:32	LU_L	4784503
Chloroethane	ND		0.31	10	1	11/22/08 22:32	LU_L	4784503
Chloroform	ND		0.24	5	1	11/22/08 22:32	LU_L	4784503
Chloromethane	ND		0.3	10	1	11/22/08 22:32	LU_L	4784503
Dibromochloromethane	ND		0.36	5	1	11/22/08 22:32	LU_L	4784503
Dibromomethane	ND		0.3	5	1	11/22/08 22:32	LU_L	4784503
Ethylbenzene	ND		0.34	5	1	11/22/08 22:32	LU_L	4784503
Methylene chloride	ND		0.67	5	1	11/22/08 22:32	LU_L	4784503
Styrene	ND		0.7	5	1	11/22/08 22:32	LU_L	4784503
Tetrachloroethene	ND		0.49	5	1	11/22/08 22:32	LU_L	4784503
Toluene	ND		0.25	5	1	11/22/08 22:32	LU_L	4784503
Trichloroethene	ND		0.25	5	1	11/22/08 22:32	LU_L	4784503
Vinyl acetate	ND		0.57	10	1	11/22/08 22:32	LU_L	4784503
Vinyl chloride	ND		0.25	2	1	11/22/08 22:32	LU_L	4784503
cis-1,2-Dichloroethene	ND		0.48	5	1	11/22/08 22:32	LU_L	4784503
cis-1,3-Dichloropropene	ND		0.26	5	1	11/22/08 22:32	LU_L	4784503
m,p-Xylene	ND		0.3	1	1	11/22/08 22:32	LU_L	4784503
o-Xylene	ND		0.31	1	1	11/22/08 22:32	LU_L	4784503
trans-1,2-Dichloroethene	ND		0.35	5	1	11/22/08 22:32	LU_L	4784503
trans-1,3-Dichloropropene	ND		0.31	5	1	11/22/08 22:32	LU_L	4784503
Xylenes,Total	ND		0.3	1	1	11/22/08 22:32	LU_L	4784503
Surr: 1,2-Dichloroethane-d4	94.0		0	% 62-130	1	11/22/08 22:32	LU_L	4784503

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
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HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: EW-3S **Collected:** 11/17/2008 13:40 **SPL Sample ID:** 08110878-02

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 4-Bromofluorobenzene	104		0	%	70-130	1	11/22/08 22:32	LU_L	4784503
Surr: Toluene-d8	104		0	%	74-122	1	11/22/08 22:32	LU_L	4784503

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 75D **Collected:** 11/17/2008 14:40 **SPL Sample ID:** 08110878-03

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B**	**Units: mg/L**		
Arsenic	ND		0.0261	0.1	1	11/24/08 22:45	S_C	4787578
Manganese	1.93		0.0006	0.005	1	11/24/08 22:45	S_C	4787578

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	11/19/2008 17:00	AB1	1.00

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 75D **Collected:** 11/17/2008 14:40 **SPL Sample ID:** 08110878-03

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	11/22/08 23:03	LU_L	4784504
1,1,1-Trichloroethane	ND		0.25	5	1	11/22/08 23:03	LU_L	4784504
1,1,2-Trichloroethane	ND		0.38	5	1	11/22/08 23:03	LU_L	4784504
1,1-Dichloroethane	ND		0.28	5	1	11/22/08 23:03	LU_L	4784504
1,1-Dichloroethene	ND		0.5	5	1	11/22/08 23:03	LU_L	4784504
1,1-Dichloropropene	ND		0.35	5	1	11/22/08 23:03	LU_L	4784504
1,2-Dibromoethane	ND		0.31	5	1	11/22/08 23:03	LU_L	4784504
2-Butanone	ND		3.2	20	1	11/22/08 23:03	LU_L	4784504
2-Hexanone	ND		0.47	10	1	11/22/08 23:03	LU_L	4784504
4-Methyl-2-pentanone	ND		0.31	10	1	11/22/08 23:03	LU_L	4784504
Acetone	ND		4.6	100	1	11/22/08 23:03	LU_L	4784504
Benzene	ND		0.35	5	1	11/22/08 23:03	LU_L	4784504
Bromodichloromethane	ND		0.25	5	1	11/22/08 23:03	LU_L	4784504
Bromoform	ND		0.5	5	1	11/22/08 23:03	LU_L	4784504
Bromomethane	ND		0.78	10	1	11/22/08 23:03	LU_L	4784504
Carbon disulfide	ND		0.25	5	1	11/22/08 23:03	LU_L	4784504
Carbon tetrachloride	ND		0.25	5	1	11/22/08 23:03	LU_L	4784504
Chlorobenzene	ND		0.3	5	1	11/22/08 23:03	LU_L	4784504
Chloroethane	ND		0.31	10	1	11/22/08 23:03	LU_L	4784504
Chloroform	ND		0.24	5	1	11/22/08 23:03	LU_L	4784504
Chloromethane	ND		0.3	10	1	11/22/08 23:03	LU_L	4784504
Dibromochloromethane	ND		0.36	5	1	11/22/08 23:03	LU_L	4784504
Dibromomethane	ND		0.3	5	1	11/22/08 23:03	LU_L	4784504
Ethylbenzene	ND		0.34	5	1	11/22/08 23:03	LU_L	4784504
Methylene chloride	ND		0.67	5	1	11/22/08 23:03	LU_L	4784504
Styrene	ND		0.7	5	1	11/22/08 23:03	LU_L	4784504
Tetrachloroethene	2	J	0.49	5	1	11/22/08 23:03	LU_L	4784504
Toluene	ND		0.25	5	1	11/22/08 23:03	LU_L	4784504
Trichloroethene	1	J	0.25	5	1	11/22/08 23:03	LU_L	4784504
Vinyl acetate	ND		0.57	10	1	11/22/08 23:03	LU_L	4784504
Vinyl chloride	ND		0.25	2	1	11/22/08 23:03	LU_L	4784504
cis-1,2-Dichloroethene	27		0.48	5	1	11/22/08 23:03	LU_L	4784504
cis-1,3-Dichloropropene	ND		0.26	5	1	11/22/08 23:03	LU_L	4784504
m,p-Xylene	ND		0.3	1	1	11/22/08 23:03	LU_L	4784504
o-Xylene	ND		0.31	1	1	11/22/08 23:03	LU_L	4784504
trans-1,2-Dichloroethene	ND		0.35	5	1	11/22/08 23:03	LU_L	4784504
trans-1,3-Dichloropropene	ND		0.31	5	1	11/22/08 23:03	LU_L	4784504
Xylenes,Total	ND		0.3	1	1	11/22/08 23:03	LU_L	4784504
Surr: 1,2-Dichloroethane-d4	92.0		0 %	62-130	1	11/22/08 23:03	LU_L	4784504

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
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B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 75D **Collected:** 11/17/2008 14:40 **SPL Sample ID:** 08110878-03

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 4-Bromofluorobenzene	106		0	%	70-130	1	11/22/08 23:03	LU_L	4784504
Surr: Toluene-d8	104		0	%	74-122	1	11/22/08 23:03	LU_L	4784504

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
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E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
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MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 51S **Collected:** 11/17/2008 13:25 **SPL Sample ID:** 08110878-04

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B**	**Units: mg/L**		
Arsenic	0.208		0.0261	0.1	1	11/24/08 22:50	S_C	4787579
Manganese	4.42		0.0006	0.005	1	11/24/08 22:50	S_C	4787579

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	11/19/2008 17:00	AB1	1.00

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
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E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
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MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 51S **Collected:** 11/17/2008 13:25 **SPL Sample ID:** 08110878-04

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	11/22/08 21:03	LU_L	4784500
1,1,1-Trichloroethane	ND		0.25	5	1	11/22/08 21:03	LU_L	4784500
1,1,2-Trichloroethane	ND		0.38	5	1	11/22/08 21:03	LU_L	4784500
1,1-Dichloroethane	ND		0.28	5	1	11/22/08 21:03	LU_L	4784500
1,1-Dichloroethene	ND		0.5	5	1	11/22/08 21:03	LU_L	4784500
1,1-Dichloropropene	ND		0.35	5	1	11/22/08 21:03	LU_L	4784500
1,2-Dibromoethane	ND		0.31	5	1	11/22/08 21:03	LU_L	4784500
2-Butanone	ND		3.2	20	1	11/22/08 21:03	LU_L	4784500
2-Hexanone	ND		0.47	10	1	11/22/08 21:03	LU_L	4784500
4-Methyl-2-pentanone	ND		0.31	10	1	11/22/08 21:03	LU_L	4784500
Acetone	ND		4.6	100	1	11/22/08 21:03	LU_L	4784500
Benzene	ND		0.35	5	1	11/22/08 21:03	LU_L	4784500
Bromodichloromethane	ND		0.25	5	1	11/22/08 21:03	LU_L	4784500
Bromoform	ND		0.5	5	1	11/22/08 21:03	LU_L	4784500
Bromomethane	ND		0.78	10	1	11/22/08 21:03	LU_L	4784500
Carbon disulfide	ND		0.25	5	1	11/22/08 21:03	LU_L	4784500
Carbon tetrachloride	ND		0.25	5	1	11/22/08 21:03	LU_L	4784500
Chlorobenzene	ND		0.3	5	1	11/22/08 21:03	LU_L	4784500
Chloroethane	ND		0.31	10	1	11/22/08 21:03	LU_L	4784500
Chloroform	ND		0.24	5	1	11/22/08 21:03	LU_L	4784500
Chloromethane	ND		0.3	10	1	11/22/08 21:03	LU_L	4784500
Dibromochloromethane	ND		0.36	5	1	11/22/08 21:03	LU_L	4784500
Dibromomethane	ND		0.3	5	1	11/22/08 21:03	LU_L	4784500
Ethylbenzene	28		0.34	5	1	11/22/08 21:03	LU_L	4784500
Methylene chloride	ND		0.67	5	1	11/22/08 21:03	LU_L	4784500
Styrene	ND		0.7	5	1	11/22/08 21:03	LU_L	4784500
Tetrachloroethene	ND		0.49	5	1	11/22/08 21:03	LU_L	4784500
Toluene	ND		0.25	5	1	11/22/08 21:03	LU_L	4784500
Trichloroethene	ND		0.25	5	1	11/22/08 21:03	LU_L	4784500
Vinyl acetate	ND		0.57	10	1	11/22/08 21:03	LU_L	4784500
Vinyl chloride	ND		0.25	2	1	11/22/08 21:03	LU_L	4784500
cis-1,2-Dichloroethene	ND		0.48	5	1	11/22/08 21:03	LU_L	4784500
cis-1,3-Dichloropropene	ND		0.26	5	1	11/22/08 21:03	LU_L	4784500
m,p-Xylene	21		0.3	1	1	11/22/08 21:03	LU_L	4784500
o-Xylene	10		0.31	1	1	11/22/08 21:03	LU_L	4784500
trans-1,2-Dichloroethene	ND		0.35	5	1	11/22/08 21:03	LU_L	4784500
trans-1,3-Dichloropropene	ND		0.31	5	1	11/22/08 21:03	LU_L	4784500
Xylenes,Total	31		0.3	1	1	11/22/08 21:03	LU_L	4784500
Surr: 1,2-Dichloroethane-d4	92.0		0	% 62-130	1	11/22/08 21:03	LU_L	4784500

Joann Marroquin
Project Manager

Qualifiers:

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TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 51S **Collected:** 11/17/2008 13:25 **SPL Sample ID:** 08110878-04

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 4-Bromofluorobenzene	104		0	%	70-130	1	11/22/08 21:03	LU_L	4784500
Surr: Toluene-d8	102		0	%	74-122	1	11/22/08 21:03	LU_L	4784500

Joann Marroquin
Project Manager

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E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: EW-10S **Collected:** 11/17/2008 14:50 **SPL Sample ID:** 08110878-05

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, DISSOLVED				**MCL**	**SW6010B**	**Units: mg/L**		
Arsenic	0.0852	J	0.0261	0.1	1	11/21/08 2:05	S_C	4781635
Manganese	7.95		0.0006	0.005	1	11/21/08 2:05	S_C	4781635

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3005A	11/19/2008 9:00	AB1	1.00

METALS BY METHOD 6010B, TOTAL				MCL	SW6010B	Units: mg/L		
Arsenic	0.104		0.0261	0.1	1	11/26/08 16:04	S_C	4795776
Manganese	7.93		0.0006	0.005	1	11/26/08 16:04	S_C	4795776

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	11/21/2008 11:00	AB1	1.00

Joann Marroquin
Project Manager

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E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: EW-10S **Collected:** 11/17/2008 14:50 **SPL Sample ID:** 08110878-05

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	11/22/08 23:33	LU_L	4784505
1,1,1-Trichloroethane	ND		0.25	5	1	11/22/08 23:33	LU_L	4784505
1,1,2-Trichloroethane	ND		0.38	5	1	11/22/08 23:33	LU_L	4784505
1,1-Dichloroethane	ND		0.28	5	1	11/22/08 23:33	LU_L	4784505
1,1-Dichloroethene	ND		0.5	5	1	11/22/08 23:33	LU_L	4784505
1,1-Dichloropropene	ND		0.35	5	1	11/22/08 23:33	LU_L	4784505
1,2-Dibromoethane	ND		0.31	5	1	11/22/08 23:33	LU_L	4784505
2-Butanone	ND		3.2	20	1	11/22/08 23:33	LU_L	4784505
2-Hexanone	ND		0.47	10	1	11/22/08 23:33	LU_L	4784505
4-Methyl-2-pentanone	ND		0.31	10	1	11/22/08 23:33	LU_L	4784505
Acetone	ND		4.6	100	1	11/22/08 23:33	LU_L	4784505
Benzene	2	J	0.35	5	1	11/22/08 23:33	LU_L	4784505
Bromodichloromethane	ND		0.25	5	1	11/22/08 23:33	LU_L	4784505
Bromoform	ND		0.5	5	1	11/22/08 23:33	LU_L	4784505
Bromomethane	ND		0.78	10	1	11/22/08 23:33	LU_L	4784505
Carbon disulfide	ND		0.25	5	1	11/22/08 23:33	LU_L	4784505
Carbon tetrachloride	ND		0.25	5	1	11/22/08 23:33	LU_L	4784505
Chlorobenzene	ND		0.3	5	1	11/22/08 23:33	LU_L	4784505
Chloroethane	ND		0.31	10	1	11/22/08 23:33	LU_L	4784505
Chloroform	ND		0.24	5	1	11/22/08 23:33	LU_L	4784505
Chloromethane	ND		0.3	10	1	11/22/08 23:33	LU_L	4784505
Dibromochloromethane	ND		0.36	5	1	11/22/08 23:33	LU_L	4784505
Dibromomethane	ND		0.3	5	1	11/22/08 23:33	LU_L	4784505
Ethylbenzene	830		17	250	50	11/24/08 17:31	LU_L	4788563
Methylene chloride	ND		0.67	5	1	11/22/08 23:33	LU_L	4784505
Styrene	ND		0.7	5	1	11/22/08 23:33	LU_L	4784505
Tetrachloroethene	ND		0.49	5	1	11/22/08 23:33	LU_L	4784505
Toluene	7600		12	250	50	11/24/08 17:31	LU_L	4788563
Trichloroethene	4	J	0.25	5	1	11/22/08 23:33	LU_L	4784505
Vinyl acetate	ND		0.57	10	1	11/22/08 23:33	LU_L	4784505
Vinyl chloride	ND		0.25	2	1	11/22/08 23:33	LU_L	4784505
cis-1,2-Dichloroethene	ND		0.48	5	1	11/22/08 23:33	LU_L	4784505
cis-1,3-Dichloropropene	ND		0.26	5	1	11/22/08 23:33	LU_L	4784505
m,p-Xylene	2500		15	50	50	11/24/08 17:31	LU_L	4788563
o-Xylene	1400		16	50	50	11/24/08 17:31	LU_L	4788563
trans-1,2-Dichloroethene	ND		0.35	5	1	11/22/08 23:33	LU_L	4784505
trans-1,3-Dichloropropene	ND		0.31	5	1	11/22/08 23:33	LU_L	4784505
Xylenes,Total	3900		15	50	50	11/24/08 17:31	LU_L	4788563
Surr: 1,2-Dichloroethane-d4	92.0		0 %	62-130	50	11/24/08 17:31	LU_L	4788563

Joann Marroquin
Project Manager

Qualifiers:

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B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: EW-10S **Collected:** 11/17/2008 14:50 **SPL Sample ID:** 08110878-05

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 1,2-Dichloroethane-d4	96.0		0	%	62-130	1	11/22/08 23:33	LU_L	4784505
Surr: 4-Bromofluorobenzene	104		0	%	70-130	50	11/24/08 17:31	LU_L	4788563
Surr: 4-Bromofluorobenzene	110		0	%	70-130	1	11/22/08 23:33	LU_L	4784505
Surr: Toluene-d8	106		0	%	74-122	1	11/22/08 23:33	LU_L	4784505
Surr: Toluene-d8	108		0	%	74-122	50	11/24/08 17:31	LU_L	4788563

Joann Marroquin
Project Manager

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B/V - Analyte detected in the associated Method Blank above Rep.Limit
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Quality Control Documentation

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Metals by Method 6010B, Dissolved** **WorkOrder:** **08110878**
Method: **SW6010B** **Lab Batch ID:** **85643**

Method Blank

RunID: TJA_081120B-4781626 Units: mg/L
Analysis Date: 11/21/2008 1:23 Analyst: S_C
Preparation Date: 11/19/2008 9:00 Prep By: AB1 Method SW3005A

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08110878-05C	EW-10S

Analyte	Result	Qual	Rep Limit	MDL
Arsenic	ND		0.1	0.0261
Manganese	ND		0.005	0.0006

Laboratory Control Sample (LCS)

RunID: TJA_081120B-4781627 Units: mg/L
Analysis Date: 11/21/2008 1:27 Analyst: S_C
Preparation Date: 11/19/2008 9:00 Prep By: AB1 Method SW3005A

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
Arsenic	1.000	1.046	104.6		80	120
Manganese	1.000	1.079	107.9		80	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08110830-03
RunID: TJA_081120B-4781629 Units: mg/L
Analysis Date: 11/21/2008 1:37 Analyst: S_C
Preparation Date: 11/19/2008 9:00 Prep By: AB1 Method SW3005A

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
Arsenic	ND		1	1.059	105.9		1	1.067	106.7		0.7463		20	75	125
Manganese	0.07436		1	1.142	106.8		1	1.129	105.5		1.123		20	75	125

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Metals by Method 6010B, Total** **WorkOrder:** **08110878**
Method: **SW6010B** **Lab Batch ID:** **85659**

Method Blank

RunID: TJA_081124A-4787565 Units: mg/L
Analysis Date: 11/24/2008 20:33 Analyst: S_C
Preparation Date: 11/19/2008 17:00 Prep By: AB1 Method SW3010A

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08110878-02B	EW-3S
08110878-03B	75D
08110878-04B	51S

Analyte	Result	Qual	Rep Limit	MDL
Arsenic	ND		0.1	0.0261
Manganese	ND		0.005	0.0006

Laboratory Control Sample (LCS)

RunID: TJA_081124A-4787566 Units: mg/L
Analysis Date: 11/24/2008 20:37 Analyst: S_C
Preparation Date: 11/19/2008 17:00 Prep By: AB1 Method SW3010A

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
Arsenic	1.000	0.9924	99.24		80	120
Manganese	1.000	1.064	106.4		80	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08110867-15
RunID: TJA_081124A-4787568 Units: mg/L
Analysis Date: 11/24/2008 20:47 Analyst: S_C
Preparation Date: 11/19/2008 17:00 Prep By: AB1 Method SW3010A

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
Arsenic	0.02685	J	1	1.053	102.6		1	1.044	101.7		0.8582		20	75	125
Manganese	0.3007		1	1.337	103.7		1	1.344	104.3		0.5005		20	75	125

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Metals by Method 6010B, Total** **WorkOrder:** **08110878**
Method: **SW6010B** **Lab Batch ID:** **85732**

Method Blank

RunID: TJA_081126A-4795772 Units: mg/L
Analysis Date: 11/26/2008 15:55 Analyst: S_C
Preparation Date: 11/21/2008 11:00 Prep By: AB1 Method SW3010A

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08110878-05B	EW-10S

Analyte	Result	Qual	Rep Limit	MDL
Arsenic	ND		0.1	0.0261
Manganese	ND		0.005	0.0006

Laboratory Control Sample (LCS)

RunID: TJA_081126A-4795774 Units: mg/L
Analysis Date: 11/26/2008 16:00 Analyst: S_C
Preparation Date: 11/21/2008 11:00 Prep By: AB1 Method SW3010A

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
Arsenic	1.000	0.9581	95.81		80	120
Manganese	1.000	1.025	102.5		80	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08110878-05
RunID: TJA_081126A-4795779 Units: mg/L
Analysis Date: 11/26/2008 16:09 Analyst: S_C
Preparation Date: 11/21/2008 11:00 Prep By: AB1 Method SW3010A

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
Arsenic	0.1035		1	1.059	95.56		1	1.106	100.3		4.366		20	75	125
Manganese	7.933		1	8.961	N/C		1	9.091	N/C		N/C		20	75	125

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08110878**
Method: **SW8260B** **Lab Batch ID:** **R257868**

Method Blank

RunID: K_081122E-4784498 Units: ug/L
Analysis Date: 11/22/2008 14:48 Analyst: LU_L
Preparation Date: 11/22/2008 14:48 Prep By: Method

Analyte	Result	Qual	Rep Limit	MDL
1,1,1,2-Tetrachloroethane	ND		5.0	0.42
1,1,1-Trichloroethane	ND		5.0	0.25
1,1,2-Trichloroethane	ND		5.0	0.38
1,1-Dichloroethane	ND		5.0	0.28
1,1-Dichloroethene	ND		5.0	0.5
1,1-Dichloropropene	ND		5.0	0.35
1,2-Dibromoethane	ND		5.0	0.31
2-Butanone	ND		20	3.2
2-Hexanone	ND		10	0.47
4-Methyl-2-pentanone	ND		10	0.31
Acetone	ND		100	4.6
Benzene	ND		5.0	0.35
Bromodichloromethane	ND		5.0	0.25
Bromoform	ND		5.0	0.5
Bromomethane	ND		10	0.78
Carbon disulfide	ND		5.0	0.25
Carbon tetrachloride	ND		5.0	0.25
Chlorobenzene	ND		5.0	0.3
Chloroethane	ND		10	0.31
Chloroform	ND		5.0	0.24
Chloromethane	ND		10	0.3
Dibromochloromethane	ND		5.0	0.36
Dibromomethane	ND		5.0	0.3
Ethylbenzene	ND		5.0	0.34
Methylene chloride	ND		5.0	0.67
Styrene	ND		5.0	0.7
Tetrachloroethene	ND		5.0	0.49
Toluene	ND		5.0	0.25
Trichloroethene	ND		5.0	0.25
Vinyl acetate	ND		10	0.57
Vinyl chloride	ND		2.0	0.25
cis-1,2-Dichloroethene	ND		5.0	0.48
cis-1,3-Dichloropropene	ND		5.0	0.26
m,p-Xylene	ND		1.0	0.3
o-Xylene	ND		1.0	0.31
trans-1,2-Dichloroethene	ND		5.0	0.35
trans-1,3-Dichloropropene	ND		5.0	0.31
Xylenes,Total	ND		1.0	0.3
Surr: 1,2-Dichloroethane-d4	96.0		62-130	0
Surr: 4-Bromofluorobenzene	104.0		70-130	0
Surr: Toluene-d8	106.0		74-122	0

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08110878-01A	Trip Blank
08110878-02A	EW-3S
08110878-03A	75D
08110878-04A	51S
08110878-05A	EW-10S

Laboratory Control Sample (LCS)

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis:	**Volatile Organics by Method 8260B**	**WorkOrder:**	**08110878**
Method:	**SW8260B**	**Lab Batch ID:**	**R257868**

RunID:	K_081122E-4784497	Units:	ug/L
Analysis Date:	11/22/2008 13:39	Analyst:	LU_L
Preparation Date:	11/22/2008 13:39	Prep By:	Method

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
1,1,1,2-Tetrachloroethane	20.0	21.0	105		71	136
1,1,1-Trichloroethane	20.0	21.0	105		66	132
1,1,2-Trichloroethane	20.0	21.0	105		70	130
1,1-Dichloroethane	20.0	21.0	105		67	131
1,1-Dichloroethene	20.0	23.0	115		71	146
1,1-Dichloropropene	20.0	22.0	110		59	138
1,2-Dibromoethane	20.0	21.0	105		63	126
2-Butanone	120	120	100		20	235
2-Hexanone	20.0	22.0	110		34	182
4-Methyl-2-pentanone	20.0	19.0	95.0		11	145
Acetone	200	240	120		13	386
Benzene	20.0	22.0	110		76	126
Bromodichloromethane	20.0	21.0	105		77	138
Bromoform	20.0	18.0	90.0		55	129
Bromomethane	20.0	24.0	120		58	148
Carbon disulfide	20.0	23.0	115		46	146
Carbon tetrachloride	20.0	19.0	95.0		66	137
Chlorobenzene	20.0	22.0	110		67	136
Chloroethane	20.0	23.0	115		50	137
Chloroform	20.0	20.0	100		70	135
Chloromethane	20.0	26.0	130		51	140
Dibromochloromethane	20.0	20.0	100		69	127
Dibromomethane	20.0	22.0	110		74	130
Ethylbenzene	20.0	21.0	105		67	122
Methylene chloride	20.0	24.0	120		52	143
Styrene	20.0	21.0	105		60	139
Tetrachloroethene	20.0	22.0	110		26	200
Toluene	20.0	23.0	115		70	131
Trichloroethene	20.0	22.0	110		64	137
Vinyl acetate	20.0	20.0	100		10	193
Vinyl chloride	20.0	26.0	130		31	147
cis-1,2-Dichloroethene	20.0	23.0	115		70	142
cis-1,3-Dichloropropene	20.0	20.0	100		61	134
m,p-Xylene	40.0	43.0	108		72	150
o-Xylene	20.0	21.0	105		78	141

Qualifiers:
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J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis:	**Volatile Organics by Method 8260B**	**WorkOrder:**	**08110878**
Method:	**SW8260B**	**Lab Batch ID:**	**R257868**

Laboratory Control Sample (LCS)

RunID:	K_081122E-4784497	Units:	ug/L
Analysis Date:	11/22/2008 13:39	Analyst:	LU_L
Preparation Date:	11/22/2008 13:39	Prep By:	Method

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
trans-1,2-Dichloroethene	20.0	24.0	120		67	141
trans-1,3-Dichloropropene	20.0	19.0	95.0		56	136
Xylenes,Total	60	64	110		72	150
Surr: 1,2-Dichloroethane-d4	50.0	49	98.0		62	130
Surr: 4-Bromofluorobenzene	50.0	53	106		70	130
Surr: Toluene-d8	50.0	52	104		74	122

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked:	08110878-04		
RunID:	K_081122E-4784501	Units:	ug/L
Analysis Date:	11/22/2008 21:32	Analyst:	LU_L

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
1,1,1,2-Tetrachloroethane	ND		20	20.0	100		20	21.0	105		4.88		20	35	175
1,1,1-Trichloroethane	ND		20	20.0	100		20	20.0	100		0		20	35	175
1,1,2-Trichloroethane	ND		20	21.0	105		20	21.0	105		0		20	35	175
1,1-Dichloroethane	ND		20	18.0	90.0		20	21.0	105		15.4		20	35	175
1,1-Dichloroethene	ND		20	21.0	105		20	20.0	100		4.88		22	61	145
1,1-Dichloropropene	ND		20	21.0	105		20	21.0	105		0		20	35	175
1,2-Dibromoethane	ND		20	22.0	110		20	22.0	110		0		20	35	175
2-Butanone	ND		20	18.0	90.0		20	17.0	85.0		5.71		20	10	230
2-Hexanone	ND		20	19.0	95.0		20	19.0	95.0		0		20	10	250
4-Methyl-2-pentanone	ND		20	21.0	105		20	20.0	100		4.88		20	10	175
Acetone	ND		100	72.0	72.0		100	66.0	66.0		8.70		20	10	400
Benzene	ND		20	22.0	110		20	21.0	105		4.65		22	76	127
Bromodichloromethane	ND		20	20.0	100		20	19.0	95.0		5.13		20	35	175
Bromoform	ND		20	18.0	90.0		20	17.0	85.0		5.71		20	35	175
Bromomethane	ND		20	23.0	115		20	20.0	100		14.0		20	35	175
Carbon disulfide	ND		20	21.0	105		20	20.0	100		4.88		20	30	225
Carbon tetrachloride	ND		20	19.0	95.0		20	18.0	90.0		5.41		20	35	175

Qualifiers:
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B/V - Analyte detected in the associated Method Blank
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08110878**
Method: **SW8260B** **Lab Batch ID:** **R257868**

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08110878-04
RunID: K_081122E-4784501 Units: ug/L
Analysis Date: 11/22/2008 21:32 Analyst: LU_L

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
Chlorobenzene	ND		20	21.0	105		20	22.0	110		4.65		21	70	130
Chloroethane	ND		20	20.0	100		20	19.0	95.0		5.13		20	35	175
Chloroform	ND		20	20.0	100		20	20.0	100		0		20	35	175
Chloromethane	ND		20	21.0	105		20	20.0	100		4.88		20	35	175
Dibromochloromethane	ND		20	20.0	100		20	20.0	100		0		20	35	175
Dibromomethane	ND		20	21.0	105		20	21.0	105		0		20	35	175
Ethylbenzene	28.0		20	47.0	95.0		20	48.0	100		2.11		20	35	175
Methylene chloride	ND		20	23.0	115		20	22.0	110		4.44		20	35	175
Styrene	ND		20	21.0	105		20	20.0	100		4.88		20	35	175
Tetrachloroethene	ND		20	21.0	105		20	20.0	100		4.88		20	30	250
Toluene	ND		20	21.0	105		20	21.0	105		0		24	70	131
Trichloroethene	ND		20	22.0	110		20	22.0	110		0		21	60	140
Vinyl acetate	ND		20	16.0	80.0		20	18.0	90.0		11.8		20	10	250
Vinyl chloride	ND		20	22.0	110		20	20.0	100		9.52		20	35	175
cis-1,2-Dichloroethene	ND		20	22.0	110		20	22.0	110		0		20	35	175
cis-1,3-Dichloropropene	ND		20	20.0	100		20	19.0	95.0		5.13		20	35	175
m,p-Xylene	21.0		40	61.0	100		40	62.0	102		1.63		20	35	175
o-Xylene	10.0		20	30.0	100		20	30.0	100		0		20	35	175
trans-1,2-Dichloroethene	ND		20	21.0	105		20	22.0	110		4.65		20	35	175
trans-1,3-Dichloropropene	ND		20	18.0	90.0		20	18.0	90.0		0		20	35	175
Xylenes,Total	31		60	91	100		60	92	100		1.1		20	35	175
Surr: 1,2-Dichloroethane-d4	ND		50	47	94.0		50	45.0	90.0		4.35		30	62	130
Surr: 4-Bromofluorobenzene	ND		50	53	106		50	55.0	110		3.70		30	70	130
Surr: Toluene-d8	ND		50	52	104		50	52.0	104		0		30	74	122

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
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J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis:	**Volatile Organics by Method 8260B**	**WorkOrder:**	**08110878**
Method:	**SW8260B**	**Lab Batch ID:**	**R258118**

Method Blank

RunID:	K_081124C-4788561	Units:	ug/L
Analysis Date:	11/24/2008 14:11	Analyst:	LU_L
Preparation Date:	11/24/2008 14:11	Prep By:	Method

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08110878-05A	EW-10S

Analyte	Result	Qual	Rep Limit	MDL
Ethylbenzene	ND		5.0	0.34
Toluene	ND		5.0	0.25
m,p-Xylene	ND		1.0	0.3
o-Xylene	ND		1.0	0.31
Xylenes,Total	ND		1.0	0.3
Surr: 1,2-Dichloroethane-d4	102.0		62-130	0
Surr: 4-Bromofluorobenzene	104.0		70-130	0
Surr: Toluene-d8	112.0		74-122	0

Laboratory Control Sample (LCS)

RunID:	K_081124C-4788560	Units:	ug/L
Analysis Date:	11/24/2008 13:30	Analyst:	LU_L
Preparation Date:	11/24/2008 13:30	Prep By:	Method

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
Ethylbenzene	20.0	22.0	110		67	122
Toluene	20.0	23.0	115		70	131
m,p-Xylene	40.0	44.0	110		72	150
o-Xylene	20.0	22.0	110		78	141
Xylenes,Total	60	66	110		72	150
Surr: 1,2-Dichloroethane-d4	50.0	49	98.0		62	130
Surr: 4-Bromofluorobenzene	50.0	56	112		70	130
Surr: Toluene-d8	50.0	57	114		74	122

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked:	08110922-13		
RunID:	K_081124C-4788564	Units:	ug/L
Analysis Date:	11/24/2008 19:25	Analyst:	LU_L

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08110878**
Method: **SW8260B** **Lab Batch ID:** **R258118**

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08110922-13
RunID: K_081124C-4788564 Units: ug/L
Analysis Date: 11/24/2008 19:25 Analyst: LU_L

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
Ethylbenzene	ND		20	20.0	100		20	21.0	105		4.88		20	35	175
Toluene	ND		20	20.0	100		20	22.0	110		9.52		24	70	131
m,p-Xylene	ND		40	40.0	100		40	42.0	105		4.88		20	35	175
o-Xylene	ND		20	20.0	100		20	21.0	105		4.88		20	35	175
Xylenes,Total	ND		60	60	100		60	63	100		4.9		20	35	175
Surr: 1,2-Dichloroethane-d4	ND		50	50	100		50	47.0	94.0		6.19		30	62	130
Surr: 4-Bromofluorobenzene	ND		50	53	106		50	56.0	112		5.50		30	70	130
Surr: Toluene-d8	ND		50	54	108		50	57.0	114		5.41		30	74	122

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

Sample Receipt Checklist

And

Chain of Custody

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Sample Receipt Checklist

Workorder:	**08110878**	Received By:	**RE**
Date and Time Received:	**11/18/2008 9:30:00 AM**	Carrier name:	**Fedex-Standard Overnight**
Temperature:	**2.0°C**	Chilled by:	**Water Ice**

1.	**Shipping container/cooler in good condition?**	Yes ☑	No ☐	Not Present ☐
2.	**Custody seals intact on shippping container/cooler?**	Yes ☑	No ☐	Not Present ☐
3.	**Custody seals intact on sample bottles?**	Yes ☐	No ☐	Not Present ☑
4.	**Chain of custody present?**	Yes ☑	No ☐	
5.	**Chain of custody signed when relinquished and received?**	Yes ☑	No ☐	
6.	**Chain of custody agrees with sample labels?**	Yes ☑	No ☐	
7.	**Samples in proper container/bottle?**	Yes ☑	No ☐	
8.	**Sample containers intact?**	Yes ☑	No ☐	
9.	**Sufficient sample volume for indicated test?**	Yes ☑	No ☐	
10.	**All samples received within holding time?**	Yes ☑	No ☐	
11.	**Container/Temp Blank temperature in compliance?**	Yes ☑	No ☐	
12.	**Water - VOA vials have zero headspace?**	Yes ☐	No ☐	VOA Vials Not Present ☑
13.	**Water - Preservation checked upon receipt (except VOA*)?**	Yes ☐	No ☐	Not Applicable ☑

***VOA Preservation Checked After Sample Analysis**

SPL Representative: _____ **Contact Date & Time:** _____

Client Name Contacted: _____

Non Conformance Issues: _____

Client Instructions: _____

SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No. 08110878

312503

page 1 of 1

Client Name: Arcadis
Address: 2 Executive Dr # 303 Chelmsford MA 01824
Phone/Fax: 9789379999
Client Contact: Debra Stake Email:
Project Name/No.: MA0007250003 001C4
Site Name: Ford
Site Location: Tibbetts Rd
Invoice To: Ph:

SAMPLE ID	DATE	TIME	comp	grab	matrix (W=water S=soil O=oil SL=sludge X=other)	bottle (P=plastic A=amber glass G=glass V=vial X=other)	size (1=1 liter 4=4oz 40=vial 8=8oz 16=16oz X=other)	pres. (1=HCl 2=HNO3 3=H2SO4 X=other)	Number of Containers	VOC 8260B	As/Mn Leachate	dissolved As/Mn Leachate	Ethane Ethene Methane RSK-147					
Trip Blank	—	—			W	V	40	1	2	X								
EW-3S	11 17 08	1340		X	W	V, P	40/16	1/2	4	X	X							
7SD	11 17 08	1440		X	W	V, P	40/16	1/2	4	X	X							
5IS	11 17 08	1325		X	W	V, P	40/16	1, 2	4	X	X							
5IS MS	11 17 08	1325		X	W	V, P	40	1	3	X								
5IS MSD	11 17 08	1325		X	W	V	40	1	3	X								
EW-10S	11 17 08	1450		X	W	V, P	40/16	1/2	5	X	X	X						

Requested Analysis

Client/Consultant Remarks: Enovis Project # E101274

Laboratory remarks:

Intact? ☐ Y ☐ N
Ice? ☐ Y ☐ N
Temp: 2.0 c

Requested TAT

Contract ☐ 72hr ☐
24hr ☐ Standard ☒
48hr ☐
Other ☐ _____

Special Reporting Requirements Results: Fax ☐ Email ☐ PDF ☐
Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐ TX TRRP ☐ LA RECAP ☐

Special Detection Limits (specify):

PM review (initial):

1. Relinquished by Sampler:	date 11 17 08	time 1500	2. Received by:
3. Relinquished by:	date	time	4. Received by:
5. Relinquished by:	date 11/18/08	time 0930	6. Received by Laboratory:

☒ 8880 Interchange Drive
Houston, TX 77054 (713) 660-0901

☐ 500 Ambassador Caffery Parkway
Scott, LA 70583 (337) 237-4775

☐ 459 Hughes Drive
Traverse City, MI 49686 (231) 947-5777

December 10, 2008

Debra Stake
ARCADIS
175 Cabot Street, Suite 400
Lowell, MA US 01854

Enovis project ID: E101274
Project: Tibbetts Rd. sampling
Project number: MA000725
Laboratory: Southern Petroleum Laboratory (SPL) - Houston
Laboratory submittal: 08110954
Sample date: 2008-11-18
Report received by Enovis: 2008-12-09
Initial Data Verification completed by Enovis: 2008-12-10

Data verification for the report specified above was completed using the Ford Motor Company Environmental Laboratory Technical Specification, the Enovis Standard Operating Procedure for the Verification of Environmental Analytical Data and the associated analytical methods as references for evaluating the batch QC, sample data and report content. The EPA National Functional Guidelines for validating organic and inorganic data were used as guidance when addressing out of control QC results and the associated data qualifiers.

6 Water sample(s) and 1 Trip Blank were analyzed for GCMS VOC and Metals parameter(s).

Sample/MS/MSD Surrogate Recovery, Blank/LCS Surrogate Recovery, LCS/LCD Recovery, MS/MSD Recovery, MS/MSD RPD, Blank Contamination and Hold Time Exception were reviewed as part of our verification.

Analytical results reported between RDL and MDL are flagged 'J' and considered estimated values.

The following minor QC exceptions or missing information were noted:

GCMS VOC MS/MSD recoveries performed on client sample -006 for Benzene were not considered reliable and not used to qualify sample data due to elevated levels of target analyte in original sample matrix relative to the amount spiked (4X rule) for this analyte.

GCMS VOC trip blank was non-detect for all target anlaytes.

Metals method blank had a detection between the MDL and RL for Arsenic. Client samples -005 and -007 Arsenic results should be considered non-detect at the RL and qualified with UB flags.

The definitions of the qualifiers used for this data package are defined in the analytical report. Enovis valid qualifiers are defined in the table below. To view and download a PDF copy of the laboratory's analytical report access the Enovis CLMS at http://enovis-inc.com/enovis53/index.cfm.

Please contact me if you have any questions.

Sincerely,

Jim Tomalia

Project Scientist

Enovis Valid Qualifiers

Valid Qualifiers	Description
<	Less than the reported concentration.
>	Greater than the reported concentration.
B	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was greater than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the reported concentration. For Inorganic methods the sample concentration was greater than the RDL and less than 10x the blank concentration and is considered non-detect at the reported concentration.
E	The analyte / Compound reported exceeds the calibration range and is considered estimated.
EMPC	Estimated Minimum Potential Contamination - Dioxin/Furan analyses only.
J	Indicates an estimated value. This flag is used either when estimating a concentration for a tentatively identified compound or when the data indicates the presence of an analyte / compound but the result is less than the sample Quantitation limit, but greater than zero. The flag is also used in data validation to indicate a reported value should be considered estimated due to associated quality assurance deficiencies.
JH	The sample result is considered estimated and is potentially biased high.
JL	The sample result is considered estimated and is potentially biased low.
NJ	Tentatively identified compound with approximated concentration.
R	Indicates the value is considered to be unusable. (Note: The analyte / compound may or may not be present.)
TNTC	Too Numerous to Count - Asbestos and Microbiological Results.
U	Indicates that the analyte / compound was analyzed for, but not detected.
UB	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was less than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the RDL. For Inorganic methods the sample concentration was less than the RDL and less than 10x the blank concentration and is considered non-detect at the RDL.
UJ	The analyte / compound was not detected above the reported sample Quantitation limit. However, the Quantitation limit is considered to be approximate due to associated quality assurance results and may or may not represent the actual limit of Quantitation to accurately and precisely report the analyte in the sample.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Enovis, Inc.

Certificate of Analysis Number:

08110954

Report To:		**Project Name:**	**E101274, Tibbetts Road**
ARCADIS U.S., Inc.		**Site:**	**Tibbetts Rd.**
Debra Stake		**Site Address:**	
2 Executive Dr #303			
Chelmsford		**PO Number:**	
MA		**State:**	**New Hampshire**
01824-		**State Cert. No.:**	**295301**
ph: (978) 937-9999	**fax:**	**Date Reported:**	**12/9/2008**

This Report Contains A Total Of 38 Pages

Excluding This Page

And

Chain Of Custody

12/9/2008

Joann Marroquin
Project Manager

Date

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Case Narrative for:

Enovis, Inc.

Certificate of Analysis Number:

08110954

Report To:		**Project Name:**	**E101274, Tibbetts Road**
ARCADIS U.S., Inc.		**Site:**	**Tibbetts Rd.**
Debra Stake		**Site Address:**	
2 Executive Dr #303			
Chelmsford		**PO Number:**	
MA		**State:**	**New Hampshire**
01824-		**State Cert. No.:**	**295301**
ph: (978) 937-9999	**fax:**	**Date Reported:**	**12/9/2008**

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report (" mg\kg-dry " or " ug\kg-dry ").

Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

Some of the percent recoveries and RPD's on the QC report for the MS/MSD may be different than the calculated recoveries and RPD's using the sample result and the MS/MSD results that appear on the report because, the actual raw result is used to perform the calculations for percent recovery and RPD.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

12/9/2008

Joann Marroquin
Senior Project Manager

Date

Test results meet all requirements of NELAC, unless specified in the narrative.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Enovis, Inc.

Certificate of Analysis Number:

08110954

Report To: ARCADIS U.S., Inc.
Debra Stake
2 Executive Dr #303

Chelmsford
MA
01824-
ph: (978) 937-9999 fax: (978) 937-7555

Fax To:

Project Name: E101274, Tibbetts Road
Site: Tibbetts Rd.
Site Address:

PO Number:
State: New Hampshire
State Cert. No.: 295301
Date Reported: 12/9/2008

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
Trip Blank	08110954-01	Water	11/18/2008	11/19/2008 9:30:00 AM	312502	☐
IW-3R	08110954-02	Water	11/18/2008 10:50:00 AM	11/19/2008 9:30:00 AM	312502	☐
169R	08110954-03	Water	11/18/2008 12:05:00 PM	11/19/2008 9:30:00 AM	312502	☐
269R	08110954-04	Water	11/18/2008 1:05:00 PM	11/19/2008 9:30:00 AM	312502	☐
103R	08110954-05	Water	11/18/2008 12:35:00 PM	11/19/2008 9:30:00 AM	312502	☐
IW-1R	08110954-06	Water	11/18/2008 3:00:00 PM	11/19/2008 9:30:00 AM	312502	☐
EW-2S	08110954-07	Water	11/18/2008 3:10:00 PM	11/19/2008 9:30:00 AM	312502	☐

12/9/2008
Date

Joann Marroquin
Senior Project Manager

Richard R. Reed
Laboratory Director

Ted Yen
Quality Assurance Officer

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: Trip Blank | **Collected:** 11/18/2008 0:00 | **SPL Sample ID:** 08110954-01

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	11/25/08 8:58	LU_L	4791016
1,1,1-Trichloroethane	ND		0.25	5	1	11/25/08 8:58	LU_L	4791016
1,1,2-Trichloroethane	ND		0.38	5	1	11/25/08 8:58	LU_L	4791016
1,1-Dichloroethane	ND		0.28	5	1	11/25/08 8:58	LU_L	4791016
1,1-Dichloroethene	ND		0.5	5	1	11/25/08 8:58	LU_L	4791016
1,1-Dichloropropene	ND		0.35	5	1	11/25/08 8:58	LU_L	4791016
1,2-Dibromoethane	ND		0.31	5	1	11/25/08 8:58	LU_L	4791016
2-Butanone	ND		3.2	20	1	11/25/08 8:58	LU_L	4791016
2-Hexanone	ND		0.47	10	1	11/25/08 8:58	LU_L	4791016
4-Methyl-2-pentanone	ND		0.31	10	1	11/25/08 8:58	LU_L	4791016
Acetone	ND		4.6	100	1	11/25/08 8:58	LU_L	4791016
Benzene	ND		0.35	5	1	11/25/08 8:58	LU_L	4791016
Bromodichloromethane	ND		0.25	5	1	11/25/08 8:58	LU_L	4791016
Bromoform	ND		0.5	5	1	11/25/08 8:58	LU_L	4791016
Bromomethane	ND		0.78	10	1	11/25/08 8:58	LU_L	4791016
Carbon disulfide	ND		0.25	5	1	11/25/08 8:58	LU_L	4791016
Carbon tetrachloride	ND		0.25	5	1	11/25/08 8:58	LU_L	4791016
Chlorobenzene	ND		0.3	5	1	11/25/08 8:58	LU_L	4791016
Chloroethane	ND		0.31	10	1	11/25/08 8:58	LU_L	4791016
Chloroform	ND		0.24	5	1	11/25/08 8:58	LU_L	4791016
Chloromethane	ND		0.3	10	1	11/25/08 8:58	LU_L	4791016
Dibromochloromethane	ND		0.36	5	1	11/25/08 8:58	LU_L	4791016
Dibromomethane	ND		0.3	5	1	11/25/08 8:58	LU_L	4791016
Ethylbenzene	ND		0.34	5	1	11/25/08 8:58	LU_L	4791016
Methylene chloride	ND		0.67	5	1	11/25/08 8:58	LU_L	4791016
Styrene	ND		0.7	5	1	11/25/08 8:58	LU_L	4791016
Tetrachloroethene	ND		0.49	5	1	11/25/08 8:58	LU_L	4791016
Toluene	ND		0.25	5	1	11/25/08 8:58	LU_L	4791016
Trichloroethene	ND		0.25	5	1	11/25/08 8:58	LU_L	4791016
Vinyl acetate	ND		0.57	10	1	11/25/08 8:58	LU_L	4791016
Vinyl chloride	ND		0.25	2	1	11/25/08 8:58	LU_L	4791016
cis-1,2-Dichloroethene	ND		0.48	5	1	11/25/08 8:58	LU_L	4791016
cis-1,3-Dichloropropene	ND		0.26	5	1	11/25/08 8:58	LU_L	4791016
m,p-Xylene	ND		0.3	1	1	11/25/08 8:58	LU_L	4791016
o-Xylene	ND		0.31	1	1	11/25/08 8:58	LU_L	4791016
trans-1,2-Dichloroethene	ND		0.35	5	1	11/25/08 8:58	LU_L	4791016
trans-1,3-Dichloropropene	ND		0.31	5	1	11/25/08 8:58	LU_L	4791016
Xylenes,Total	ND		0.3	1	1	11/25/08 8:58	LU_L	4791016
Surr: 1,2-Dichloroethane-d4	94.0		0	% 62-130	1	11/25/08 8:58	LU_L	4791016

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: Trip Blank | **Collected:** 11/18/2008 0:00 | **SPL Sample ID:** 08110954-01

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 4-Bromofluorobenzene	106		0	%	70-130	1	11/25/08 8:58	LU_L	4791016
Surr: Toluene-d8	110		0	%	74-122	1	11/25/08 8:58	LU_L	4791016

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
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MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: IW-3R **Collected:** 11/18/2008 10:50 **SPL Sample ID:** 08110954-02

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B Units: mg/L**			
Arsenic	ND		0.0261	0.1	1	11/27/08 4:25	S_C	4795944
Manganese	9.37		0.0006	0.005	1	11/27/08 4:25	S_C	4795944

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	11/24/2008 13:00	AB1	1.00

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: IW-3R **Collected:** 11/18/2008 10:50 **SPL Sample ID:** 08110954-02

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	11/26/08 16:10	LU_L	4797555
1,1,1-Trichloroethane	ND		0.25	5	1	11/26/08 16:10	LU_L	4797555
1,1,2-Trichloroethane	ND		0.38	5	1	11/26/08 16:10	LU_L	4797555
1,1-Dichloroethane	ND		0.28	5	1	11/26/08 16:10	LU_L	4797555
1,1-Dichloroethene	ND		0.5	5	1	11/26/08 16:10	LU_L	4797555
1,1-Dichloropropene	ND		0.35	5	1	11/26/08 16:10	LU_L	4797555
1,2-Dibromoethane	ND		0.31	5	1	11/26/08 16:10	LU_L	4797555
2-Butanone	ND		3.2	20	1	11/26/08 16:10	LU_L	4797555
2-Hexanone	ND		0.47	10	1	11/26/08 16:10	LU_L	4797555
4-Methyl-2-pentanone	74		0.31	10	1	11/26/08 16:10	LU_L	4797555
Acetone	ND		4.6	100	1	11/26/08 16:10	LU_L	4797555
Benzene	160		0.35	5	1	11/26/08 16:10	LU_L	4797555
Bromodichloromethane	ND		0.25	5	1	11/26/08 16:10	LU_L	4797555
Bromoform	ND		0.5	5	1	11/26/08 16:10	LU_L	4797555
Bromomethane	ND		0.78	10	1	11/26/08 16:10	LU_L	4797555
Carbon disulfide	ND		0.25	5	1	11/26/08 16:10	LU_L	4797555
Carbon tetrachloride	ND		0.25	5	1	11/26/08 16:10	LU_L	4797555
Chlorobenzene	ND		0.3	5	1	11/26/08 16:10	LU_L	4797555
Chloroethane	ND		0.31	10	1	11/26/08 16:10	LU_L	4797555
Chloroform	ND		0.24	5	1	11/26/08 16:10	LU_L	4797555
Chloromethane	ND		0.3	10	1	11/26/08 16:10	LU_L	4797555
Dibromochloromethane	ND		0.36	5	1	11/26/08 16:10	LU_L	4797555
Dibromomethane	ND		0.3	5	1	11/26/08 16:10	LU_L	4797555
Ethylbenzene	61		0.34	5	1	11/26/08 16:10	LU_L	4797555
Methylene chloride	ND		0.67	5	1	11/26/08 16:10	LU_L	4797555
Styrene	ND		0.7	5	1	11/26/08 16:10	LU_L	4797555
Tetrachloroethene	ND		0.49	5	1	11/26/08 16:10	LU_L	4797555
Toluene	100		0.25	5	1	11/26/08 16:10	LU_L	4797555
Trichloroethene	ND		0.25	5	1	11/26/08 16:10	LU_L	4797555
Vinyl acetate	ND		0.57	10	1	11/26/08 16:10	LU_L	4797555
Vinyl chloride	1	J	0.25	2	1	11/26/08 16:10	LU_L	4797555
cis-1,2-Dichloroethene	290		0.96	10	2	11/26/08 15:42	LU_L	4797554
cis-1,3-Dichloropropene	ND		0.26	5	1	11/26/08 16:10	LU_L	4797555
m,p-Xylene	53		0.3	1	1	11/26/08 16:10	LU_L	4797555
o-Xylene	12		0.31	1	1	11/26/08 16:10	LU_L	4797555
trans-1,2-Dichloroethene	ND		0.35	5	1	11/26/08 16:10	LU_L	4797555
trans-1,3-Dichloropropene	ND		0.31	5	1	11/26/08 16:10	LU_L	4797555
Xylenes,Total	65		0.3	1	1	11/26/08 16:10	LU_L	4797555
Surr: 1,2-Dichloroethane-d4	92.0		0	% 62-130	1	11/26/08 16:10	LU_L	4797555

Joann Marroquin
Project Manager

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
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* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: IW-3R **Collected:** 11/18/2008 10:50 **SPL Sample ID:** 08110954-02

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 1,2-Dichloroethane-d4	94.0		0	%	62-130	2	11/26/08 15:42	LU_L	4797554
Surr: 4-Bromofluorobenzene	104		0	%	70-130	1	11/26/08 16:10	LU_L	4797555
Surr: 4-Bromofluorobenzene	100		0	%	70-130	2	11/26/08 15:42	LU_L	4797554
Surr: Toluene-d8	108		0	%	74-122	1	11/26/08 16:10	LU_L	4797555
Surr: Toluene-d8	110		0	%	74-122	2	11/26/08 15:42	LU_L	4797554

Joann Marroquin
Project Manager

Qualifiers:

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B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 169R **Collected:** 11/18/2008 12:05 **SPL Sample ID:** 08110954-03

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B Units: mg/L**			
Arsenic	ND		0.0261	0.1	1	11/27/08 4:30	S_C	4795945
Manganese	2.69		0.0006	0.005	1	11/27/08 4:30	S_C	4795945

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	11/24/2008 13:00	AB1	1.00

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
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E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 169R **Collected:** 11/18/2008 12:05 **SPL Sample ID:** 08110954-03

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	11/24/08 22:20	LU_L	4788544
1,1,1-Trichloroethane	ND		0.25	5	1	11/24/08 22:20	LU_L	4788544
1,1,2-Trichloroethane	ND		0.38	5	1	11/24/08 22:20	LU_L	4788544
1,1-Dichloroethane	ND		0.28	5	1	11/24/08 22:20	LU_L	4788544
1,1-Dichloroethene	ND		0.5	5	1	11/24/08 22:20	LU_L	4788544
1,1-Dichloropropene	ND		0.35	5	1	11/24/08 22:20	LU_L	4788544
1,2-Dibromoethane	ND		0.31	5	1	11/24/08 22:20	LU_L	4788544
2-Butanone	ND		3.2	20	1	11/24/08 22:20	LU_L	4788544
2-Hexanone	ND		0.47	10	1	11/24/08 22:20	LU_L	4788544
4-Methyl-2-pentanone	ND		0.31	10	1	11/24/08 22:20	LU_L	4788544
Acetone	ND		4.6	100	1	11/24/08 22:20	LU_L	4788544
Benzene	440		1.7	25	5	11/26/08 17:08	LU_L	4797557
Bromodichloromethane	ND		0.25	5	1	11/24/08 22:20	LU_L	4788544
Bromoform	ND		0.5	5	1	11/24/08 22:20	LU_L	4788544
Bromomethane	ND		0.78	10	1	11/24/08 22:20	LU_L	4788544
Carbon disulfide	ND		0.25	5	1	11/24/08 22:20	LU_L	4788544
Carbon tetrachloride	ND		0.25	5	1	11/24/08 22:20	LU_L	4788544
Chlorobenzene	ND		0.3	5	1	11/24/08 22:20	LU_L	4788544
Chloroethane	ND		0.31	10	1	11/24/08 22:20	LU_L	4788544
Chloroform	ND		0.24	5	1	11/24/08 22:20	LU_L	4788544
Chloromethane	ND		0.3	10	1	11/24/08 22:20	LU_L	4788544
Dibromochloromethane	ND		0.36	5	1	11/24/08 22:20	LU_L	4788544
Dibromomethane	ND		0.3	5	1	11/24/08 22:20	LU_L	4788544
Ethylbenzene	200		0.34	5	1	11/24/08 22:20	LU_L	4788544
Methylene chloride	ND		0.67	5	1	11/24/08 22:20	LU_L	4788544
Styrene	ND		0.7	5	1	11/24/08 22:20	LU_L	4788544
Tetrachloroethene	ND		0.49	5	1	11/24/08 22:20	LU_L	4788544
Toluene	6		0.25	5	1	11/24/08 22:20	LU_L	4788544
Trichloroethene	ND		0.25	5	1	11/24/08 22:20	LU_L	4788544
Vinyl acetate	ND		0.57	10	1	11/24/08 22:20	LU_L	4788544
Vinyl chloride	ND		0.25	2	1	11/24/08 22:20	LU_L	4788544
cis-1,2-Dichloroethene	290		2.4	25	5	11/26/08 17:08	LU_L	4797557
cis-1,3-Dichloropropene	ND		0.26	5	1	11/24/08 22:20	LU_L	4788544
m,p-Xylene	270		0.3	1	1	11/24/08 22:20	LU_L	4788544
o-Xylene	26		0.31	1	1	11/24/08 22:20	LU_L	4788544
trans-1,2-Dichloroethene	ND		0.35	5	1	11/24/08 22:20	LU_L	4788544
trans-1,3-Dichloropropene	ND		0.31	5	1	11/24/08 22:20	LU_L	4788544
Xylenes,Total	296		0.299	1	1	11/24/08 22:20	LU_L	4788544
Surr: 1,2-Dichloroethane-d4	94.0		0	% 62-130	1	11/24/08 22:20	LU_L	4788544

Joann Marroquin
Project Manager

Qualifiers:

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TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 169R **Collected:** 11/18/2008 12:05 **SPL Sample ID:** 08110954-03

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 1,2-Dichloroethane-d4	96.0		0	%	62-130	5	11/26/08 17:08	LU_L	4797557
Surr: 4-Bromofluorobenzene	110		0	%	70-130	1	11/24/08 22:20	LU_L	4788544
Surr: 4-Bromofluorobenzene	100		0	%	70-130	5	11/26/08 17:08	LU_L	4797557
Surr: Toluene-d8	112		0	%	74-122	1	11/24/08 22:20	LU_L	4788544
Surr: Toluene-d8	108		0	%	74-122	5	11/26/08 17:08	LU_L	4797557

Joann Marroquin
Project Manager

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B/V - Analyte detected in the associated Method Blank above Rep.Limit
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D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 269R **Collected:** 11/18/2008 13:05 **SPL Sample ID:** 08110954-04

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B Units: mg/L**			
Arsenic	ND		0.0261	0.1	1	11/27/08 4:35	S_C	4795946
Manganese	2.73		0.0006	0.005	1	11/27/08 4:35	S_C	4795946

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	11/24/2008 13:00	AB1	1.00

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
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E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
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MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 269R **Collected:** 11/18/2008 13:05 **SPL Sample ID:** 08110954-04

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	11/24/08 22:51	LU_L	4788545
1,1,1-Trichloroethane	ND		0.25	5	1	11/24/08 22:51	LU_L	4788545
1,1,2-Trichloroethane	ND		0.38	5	1	11/24/08 22:51	LU_L	4788545
1,1-Dichloroethane	ND		0.28	5	1	11/24/08 22:51	LU_L	4788545
1,1-Dichloroethene	ND		0.5	5	1	11/24/08 22:51	LU_L	4788545
1,1-Dichloropropene	ND		0.35	5	1	11/24/08 22:51	LU_L	4788545
1,2-Dibromoethane	ND		0.31	5	1	11/24/08 22:51	LU_L	4788545
2-Butanone	ND		3.2	20	1	11/24/08 22:51	LU_L	4788545
2-Hexanone	ND		0.47	10	1	11/24/08 22:51	LU_L	4788545
4-Methyl-2-pentanone	ND		0.31	10	1	11/24/08 22:51	LU_L	4788545
Acetone	ND		4.6	100	1	11/24/08 22:51	LU_L	4788545
Benzene	450		1.7	25	5	11/26/08 17:37	LU_L	4797558
Bromodichloromethane	ND		0.25	5	1	11/24/08 22:51	LU_L	4788545
Bromoform	ND		0.5	5	1	11/24/08 22:51	LU_L	4788545
Bromomethane	ND		0.78	10	1	11/24/08 22:51	LU_L	4788545
Carbon disulfide	ND		0.25	5	1	11/24/08 22:51	LU_L	4788545
Carbon tetrachloride	ND		0.25	5	1	11/24/08 22:51	LU_L	4788545
Chlorobenzene	ND		0.3	5	1	11/24/08 22:51	LU_L	4788545
Chloroethane	ND		0.31	10	1	11/24/08 22:51	LU_L	4788545
Chloroform	ND		0.24	5	1	11/24/08 22:51	LU_L	4788545
Chloromethane	ND		0.3	10	1	11/24/08 22:51	LU_L	4788545
Dibromochloromethane	ND		0.36	5	1	11/24/08 22:51	LU_L	4788545
Dibromomethane	ND		0.3	5	1	11/24/08 22:51	LU_L	4788545
Ethylbenzene	200		0.34	5	1	11/24/08 22:51	LU_L	4788545
Methylene chloride	ND		0.67	5	1	11/24/08 22:51	LU_L	4788545
Styrene	ND		0.7	5	1	11/24/08 22:51	LU_L	4788545
Tetrachloroethene	ND		0.49	5	1	11/24/08 22:51	LU_L	4788545
Toluene	6		0.25	5	1	11/24/08 22:51	LU_L	4788545
Trichloroethene	ND		0.25	5	1	11/24/08 22:51	LU_L	4788545
Vinyl acetate	ND		0.57	10	1	11/24/08 22:51	LU_L	4788545
Vinyl chloride	ND		0.25	2	1	11/24/08 22:51	LU_L	4788545
cis-1,2-Dichloroethene	310		2.4	25	5	11/26/08 17:37	LU_L	4797558
cis-1,3-Dichloropropene	ND		0.26	5	1	11/24/08 22:51	LU_L	4788545
m,p-Xylene	270		0.3	1	1	11/24/08 22:51	LU_L	4788545
o-Xylene	27		0.31	1	1	11/24/08 22:51	LU_L	4788545
trans-1,2-Dichloroethene	ND		0.35	5	1	11/24/08 22:51	LU_L	4788545
trans-1,3-Dichloropropene	ND		0.31	5	1	11/24/08 22:51	LU_L	4788545
Xylenes,Total	297		0.299	1	1	11/24/08 22:51	LU_L	4788545
Surr: 1,2-Dichloroethane-d4	96.0		0	% 62-130	1	11/24/08 22:51	LU_L	4788545

Joann Marroquin
Project Manager

Qualifiers:
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MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 269R **Collected:** 11/18/2008 13:05 **SPL Sample ID:** 08110954-04

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 1,2-Dichloroethane-d4	92.0		0	%	62-130	5	11/26/08 17:37	LU_L	4797558
Surr: 4-Bromofluorobenzene	108		0	%	70-130	1	11/24/08 22:51	LU_L	4788545
Surr: 4-Bromofluorobenzene	104		0	%	70-130	5	11/26/08 17:37	LU_L	4797558
Surr: Toluene-d8	110		0	%	74-122	1	11/24/08 22:51	LU_L	4788545
Surr: Toluene-d8	108		0	%	74-122	5	11/26/08 17:37	LU_L	4797558

Joann Marroquin
Project Manager

Qualifiers:

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E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 103R **Collected:** 11/18/2008 12:35 **SPL Sample ID:** 08110954-05

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL					**MCL**	**SW6010B Units: mg/L**		
Arsenic	0.0352	J	0.0261	0.1	1	11/27/08 4:39	S_C	4795947
Manganese	0.916		0.0006	0.005	1	11/27/08 4:39	S_C	4795947

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	11/24/2008 13:00	AB1	1.00

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 103R **Collected:** 11/18/2008 12:35 **SPL Sample ID:** 08110954-05

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	11/26/08 15:13	LU_L	4797553
1,1,1-Trichloroethane	ND		0.25	5	1	11/26/08 15:13	LU_L	4797553
1,1,2-Trichloroethane	ND		0.38	5	1	11/26/08 15:13	LU_L	4797553
1,1-Dichloroethane	ND		0.28	5	1	11/26/08 15:13	LU_L	4797553
1,1-Dichloroethene	ND		0.5	5	1	11/26/08 15:13	LU_L	4797553
1,1-Dichloropropene	ND		0.35	5	1	11/26/08 15:13	LU_L	4797553
1,2-Dibromoethane	ND		0.31	5	1	11/26/08 15:13	LU_L	4797553
2-Butanone	ND		3.2	20	1	11/26/08 15:13	LU_L	4797553
2-Hexanone	ND		0.47	10	1	11/26/08 15:13	LU_L	4797553
4-Methyl-2-pentanone	ND		0.31	10	1	11/26/08 15:13	LU_L	4797553
Acetone	ND		4.6	100	1	11/26/08 15:13	LU_L	4797553
Benzene	16		0.35	5	1	11/26/08 15:13	LU_L	4797553
Bromodichloromethane	ND		0.25	5	1	11/26/08 15:13	LU_L	4797553
Bromoform	ND		0.5	5	1	11/26/08 15:13	LU_L	4797553
Bromomethane	ND		0.78	10	1	11/26/08 15:13	LU_L	4797553
Carbon disulfide	ND		0.25	5	1	11/26/08 15:13	LU_L	4797553
Carbon tetrachloride	ND		0.25	5	1	11/26/08 15:13	LU_L	4797553
Chlorobenzene	ND		0.3	5	1	11/26/08 15:13	LU_L	4797553
Chloroethane	ND		0.31	10	1	11/26/08 15:13	LU_L	4797553
Chloroform	ND		0.24	5	1	11/26/08 15:13	LU_L	4797553
Chloromethane	ND		0.3	10	1	11/26/08 15:13	LU_L	4797553
Dibromochloromethane	ND		0.36	5	1	11/26/08 15:13	LU_L	4797553
Dibromomethane	ND		0.3	5	1	11/26/08 15:13	LU_L	4797553
Ethylbenzene	ND		0.34	5	1	11/26/08 15:13	LU_L	4797553
Methylene chloride	ND		0.67	5	1	11/26/08 15:13	LU_L	4797553
Styrene	ND		0.7	5	1	11/26/08 15:13	LU_L	4797553
Tetrachloroethene	ND		0.49	5	1	11/26/08 15:13	LU_L	4797553
Toluene	ND		0.25	5	1	11/26/08 15:13	LU_L	4797553
Trichloroethene	1	J	0.25	5	1	11/26/08 15:13	LU_L	4797553
Vinyl acetate	ND		0.57	10	1	11/26/08 15:13	LU_L	4797553
Vinyl chloride	ND		0.25	2	1	11/26/08 15:13	LU_L	4797553
cis-1,2-Dichloroethene	13		0.48	5	1	11/26/08 15:13	LU_L	4797553
cis-1,3-Dichloropropene	ND		0.26	5	1	11/26/08 15:13	LU_L	4797553
m,p-Xylene	ND		0.3	1	1	11/26/08 15:13	LU_L	4797553
o-Xylene	ND		0.31	1	1	11/26/08 15:13	LU_L	4797553
trans-1,2-Dichloroethene	1	J	0.35	5	1	11/26/08 15:13	LU_L	4797553
trans-1,3-Dichloropropene	ND		0.31	5	1	11/26/08 15:13	LU_L	4797553
Xylenes,Total	ND		0.3	1	1	11/26/08 15:13	LU_L	4797553
Surr: 1,2-Dichloroethane-d4	94.0		0	% 62-130	1	11/26/08 15:13	LU_L	4797553

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
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E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
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(713) 660-0901

Client Sample ID: 103R **Collected:** 11/18/2008 12:35 **SPL Sample ID:** 08110954-05

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 4-Bromofluorobenzene	100		0	%	70-130	1	11/26/08 15:13	LU_L	4797553
Surr: Toluene-d8	110		0	%	74-122	1	11/26/08 15:13	LU_L	4797553

Joann Marroquin
Project Manager

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B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
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TNTC - Too numerous to count

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(713) 660-0901

Client Sample ID: IW-1R **Collected:** 11/18/2008 15:00 **SPL Sample ID:** 08110954-06

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B Units: mg/L**			
Arsenic	ND		0.0261	0.1	1	11/27/08 4:44	S_C	4795948
Manganese	5.99		0.0006	0.005	1	11/27/08 4:44	S_C	4795948

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	11/24/2008 13:00	AB1	1.00

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

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(713) 660-0901

Client Sample ID: IW-1R **Collected:** 11/18/2008 15:00 **SPL Sample ID:** 08110954-06

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	11/24/08 23:50	LU_L	4788546
1,1,1-Trichloroethane	ND		0.25	5	1	11/24/08 23:50	LU_L	4788546
1,1,2-Trichloroethane	ND		0.38	5	1	11/24/08 23:50	LU_L	4788546
1,1-Dichloroethane	ND		0.28	5	1	11/24/08 23:50	LU_L	4788546
1,1-Dichloroethene	ND		0.5	5	1	11/24/08 23:50	LU_L	4788546
1,1-Dichloropropene	ND		0.35	5	1	11/24/08 23:50	LU_L	4788546
1,2-Dibromoethane	ND		0.31	5	1	11/24/08 23:50	LU_L	4788546
2-Butanone	ND		3.2	20	1	11/24/08 23:50	LU_L	4788546
2-Hexanone	ND		0.47	10	1	11/24/08 23:50	LU_L	4788546
4-Methyl-2-pentanone	ND		0.31	10	1	11/24/08 23:50	LU_L	4788546
Acetone	ND		4.6	100	1	11/24/08 23:50	LU_L	4788546
Benzene	470		1.7	25	5	11/26/08 13:47	LU_L	4797550
Bromodichloromethane	ND		0.25	5	1	11/24/08 23:50	LU_L	4788546
Bromoform	ND		0.5	5	1	11/24/08 23:50	LU_L	4788546
Bromomethane	ND		0.78	10	1	11/24/08 23:50	LU_L	4788546
Carbon disulfide	ND		0.25	5	1	11/24/08 23:50	LU_L	4788546
Carbon tetrachloride	ND		0.25	5	1	11/24/08 23:50	LU_L	4788546
Chlorobenzene	ND		0.3	5	1	11/24/08 23:50	LU_L	4788546
Chloroethane	ND		0.31	10	1	11/24/08 23:50	LU_L	4788546
Chloroform	ND		0.24	5	1	11/24/08 23:50	LU_L	4788546
Chloromethane	ND		0.3	10	1	11/24/08 23:50	LU_L	4788546
Dibromochloromethane	ND		0.36	5	1	11/24/08 23:50	LU_L	4788546
Dibromomethane	ND		0.3	5	1	11/24/08 23:50	LU_L	4788546
Ethylbenzene	250		1.7	25	5	11/26/08 13:47	LU_L	4797550
Methylene chloride	ND		0.67	5	1	11/24/08 23:50	LU_L	4788546
Styrene	ND		0.7	5	1	11/24/08 23:50	LU_L	4788546
Tetrachloroethene	ND		0.49	5	1	11/24/08 23:50	LU_L	4788546
Toluene	6		0.25	5	1	11/24/08 23:50	LU_L	4788546
Trichloroethene	ND		0.25	5	1	11/24/08 23:50	LU_L	4788546
Vinyl acetate	ND		0.57	10	1	11/24/08 23:50	LU_L	4788546
Vinyl chloride	ND		0.25	2	1	11/24/08 23:50	LU_L	4788546
cis-1,2-Dichloroethene	320		2.4	25	5	11/26/08 13:47	LU_L	4797550
cis-1,3-Dichloropropene	ND		0.26	5	1	11/24/08 23:50	LU_L	4788546
m,p-Xylene	230		0.3	1	1	11/24/08 23:50	LU_L	4788546
o-Xylene	17		0.31	1	1	11/24/08 23:50	LU_L	4788546
trans-1,2-Dichloroethene	ND		0.35	5	1	11/24/08 23:50	LU_L	4788546
trans-1,3-Dichloropropene	ND		0.31	5	1	11/24/08 23:50	LU_L	4788546
Xylenes,Total	247		0.299	1	1	11/24/08 23:50	LU_L	4788546
Surr: 1,2-Dichloroethane-d4	94.0		0	% 62-130	1	11/24/08 23:50	LU_L	4788546

Joann Marroquin
Project Manager

Qualifiers:

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B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

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8880 INTERCHANGE DRIVE
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Client Sample ID: IW-1R **Collected:** 11/18/2008 15:00 **SPL Sample ID:** 08110954-06

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 1,2-Dichloroethane-d4	96.0		0	%	62-130	5	11/26/08 13:47	LU_L	4797550
Surr: 4-Bromofluorobenzene	106		0	%	70-130	1	11/24/08 23:50	LU_L	4788546
Surr: 4-Bromofluorobenzene	104		0	%	70-130	5	11/26/08 13:47	LU_L	4797550
Surr: Toluene-d8	108		0	%	74-122	1	11/24/08 23:50	LU_L	4788546
Surr: Toluene-d8	108		0	%	74-122	5	11/26/08 13:47	LU_L	4797550

Joann Marroquin
Project Manager

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B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

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Client Sample ID: EW-2S **Collected:** 11/18/2008 15:10 **SPL Sample ID:** 08110954-07

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL					**MCL**	**SW6010B Units: mg/L**		
Arsenic	0.0669	J	0.0261	0.1	1	11/27/08 4:49	S_C	4795949
Manganese	4.88		0.0006	0.005	1	11/27/08 4:49	S_C	4795949

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	11/24/2008 13:00	AB1	1.00

Joann Marroquin
Project Manager

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ND/U - Not Detected at the Method Detection Limit
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Client Sample ID: EW-2S **Collected:** 11/18/2008 15:10 **SPL Sample ID:** 08110954-07

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	11/25/08 9:30	LU_L	4791019
1,1,1-Trichloroethane	ND		0.25	5	1	11/25/08 9:30	LU_L	4791019
1,1,2-Trichloroethane	ND		0.38	5	1	11/25/08 9:30	LU_L	4791019
1,1-Dichloroethane	ND		0.28	5	1	11/25/08 9:30	LU_L	4791019
1,1-Dichloroethene	ND		0.5	5	1	11/25/08 9:30	LU_L	4791019
1,1-Dichloropropene	ND		0.35	5	1	11/25/08 9:30	LU_L	4791019
1,2-Dibromoethane	ND		0.31	5	1	11/25/08 9:30	LU_L	4791019
2-Butanone	ND		3.2	20	1	11/25/08 9:30	LU_L	4791019
2-Hexanone	ND		0.47	10	1	11/25/08 9:30	LU_L	4791019
4-Methyl-2-pentanone	ND		0.31	10	1	11/25/08 9:30	LU_L	4791019
Acetone	ND		4.6	100	1	11/25/08 9:30	LU_L	4791019
Benzene	ND		0.35	5	1	11/25/08 9:30	LU_L	4791019
Bromodichloromethane	ND		0.25	5	1	11/25/08 9:30	LU_L	4791019
Bromoform	ND		0.5	5	1	11/25/08 9:30	LU_L	4791019
Bromomethane	ND		0.78	10	1	11/25/08 9:30	LU_L	4791019
Carbon disulfide	ND		0.25	5	1	11/25/08 9:30	LU_L	4791019
Carbon tetrachloride	ND		0.25	5	1	11/25/08 9:30	LU_L	4791019
Chlorobenzene	ND		0.3	5	1	11/25/08 9:30	LU_L	4791019
Chloroethane	ND		0.31	10	1	11/25/08 9:30	LU_L	4791019
Chloroform	ND		0.24	5	1	11/25/08 9:30	LU_L	4791019
Chloromethane	ND		0.3	10	1	11/25/08 9:30	LU_L	4791019
Dibromochloromethane	ND		0.36	5	1	11/25/08 9:30	LU_L	4791019
Dibromomethane	ND		0.3	5	1	11/25/08 9:30	LU_L	4791019
Ethylbenzene	350		1.7	25	5	11/26/08 16:39	LU_L	4797556
Methylene chloride	ND		0.67	5	1	11/25/08 9:30	LU_L	4791019
Styrene	ND		0.7	5	1	11/25/08 9:30	LU_L	4791019
Tetrachloroethene	ND		0.49	5	1	11/25/08 9:30	LU_L	4791019
Toluene	22		0.25	5	1	11/25/08 9:30	LU_L	4791019
Trichloroethene	ND		0.25	5	1	11/25/08 9:30	LU_L	4791019
Vinyl acetate	ND		0.57	10	1	11/25/08 9:30	LU_L	4791019
Vinyl chloride	ND		0.25	2	1	11/25/08 9:30	LU_L	4791019
cis-1,2-Dichloroethene	3	J	0.48	5	1	11/25/08 9:30	LU_L	4791019
cis-1,3-Dichloropropene	ND		0.26	5	1	11/25/08 9:30	LU_L	4791019
m,p-Xylene	710		1.5	5	5	11/26/08 16:39	LU_L	4797556
o-Xylene	200		0.31	1	1	11/25/08 9:30	LU_L	4791019
trans-1,2-Dichloroethene	ND		0.35	5	1	11/25/08 9:30	LU_L	4791019
trans-1,3-Dichloropropene	ND		0.31	5	1	11/25/08 9:30	LU_L	4791019
Xylenes,Total	910		1.5	5	5	11/26/08 16:39	LU_L	4797556
Surr: 1,2-Dichloroethane-d4	96.0		0	% 62-130	1	11/25/08 9:30	LU_L	4791019

Joann Marroquin
Project Manager

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TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: EW-2S **Collected:** 11/18/2008 15:10 **SPL Sample ID:** 08110954-07

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 1,2-Dichloroethane-d4	96.0		0	%	62-130	5	11/26/08 16:39	LU_L	4797556
Surr: 4-Bromofluorobenzene	108		0	%	70-130	1	11/25/08 9:30	LU_L	4791019
Surr: 4-Bromofluorobenzene	104		0	%	70-130	5	11/26/08 16:39	LU_L	4797556
Surr: Toluene-d8	108		0	%	74-122	1	11/25/08 9:30	LU_L	4791019
Surr: Toluene-d8	108		0	%	74-122	5	11/26/08 16:39	LU_L	4797556

Joann Marroquin
Project Manager

Qualifiers:

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MI - Matrix Interference
TNTC - Too numerous to count

Quality Control Documentation

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Metals by Method 6010B, Total** **WorkOrder:** **08110954**
Method: **SW6010B** **Lab Batch ID:** **85831**

Method Blank

RunID: TJA_081126A-4795928 Units: mg/L
Analysis Date: 11/27/2008 3:09 Analyst: S_C
Preparation Date: 11/24/2008 13:00 Prep By: AB1 Method SW3010A

Analyte	Result	Qual	Rep Limit	MDL
Arsenic	0.0298	J	0.1	0.0261
Manganese	ND		0.005	0.0006

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08110954-02B	IW-3R
08110954-03B	169R
08110954-04B	269R
08110954-05B	103R
08110954-06B	IW-1R
08110954-07B	EW-2S

Laboratory Control Sample (LCS)

RunID: TJA_081126A-4795929 Units: mg/L
Analysis Date: 11/27/2008 3:14 Analyst: S_C
Preparation Date: 11/24/2008 13:00 Prep By: AB1 Method SW3010A

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
Arsenic	1.000	0.9826	98.26		80	120
Manganese	1.000	1.074	107.4		80	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08111065-05
RunID: TJA_081126A-4795931 Units: mg/L
Analysis Date: 11/27/2008 3:23 Analyst: S_C
Preparation Date: 11/24/2008 13:00 Prep By: AB1 Method SW3010A

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
Arsenic	0.04612	JB	1	1.078	103.2		1	1.091	104.5		1.191		20	75	125
Manganese	0.3679		1	1.353	98.48		1	1.373	100.5		1.506		20	75	125

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
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HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis:	**Volatile Organics by Method 8260B**	**WorkOrder:**	**08110954**
Method:	**SW8260B**	**Lab Batch ID:**	**R258115**

Method Blank

RunID:	K_081124B-4788540	Units:	ug/L
Analysis Date:	11/24/2008 14:11	Analyst:	LU_L
Preparation Date:	11/24/2008 14:11	Prep By:	Method

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08110954-03A	169R
08110954-04A	269R
08110954-06A	IW-1R

Analyte	Result	Qual	Rep Limit	MDL
1,1,1,2-Tetrachloroethane	ND		5.0	0.42
1,1,1-Trichloroethane	ND		5.0	0.25
1,1,2-Trichloroethane	ND		5.0	0.38
1,1-Dichloroethane	ND		5.0	0.28
1,1-Dichloroethene	ND		5.0	0.5
1,1-Dichloropropene	ND		5.0	0.35
1,2-Dibromoethane	ND		5.0	0.31
2-Butanone	ND		20	3.2
2-Hexanone	ND		10	0.47
4-Methyl-2-pentanone	ND		10	0.31
Acetone	ND		100	4.6
Bromodichloromethane	ND		5.0	0.25
Bromoform	ND		5.0	0.5
Bromomethane	ND		10	0.78
Carbon disulfide	ND		5.0	0.25
Carbon tetrachloride	ND		5.0	0.25
Chlorobenzene	ND		5.0	0.3
Chloroethane	ND		10	0.31
Chloroform	ND		5.0	0.24
Chloromethane	ND		10	0.3
Dibromochloromethane	ND		5.0	0.36
Dibromomethane	ND		5.0	0.3
Ethylbenzene	ND		5.0	0.34
Methylene chloride	ND		5.0	0.67
Styrene	ND		5.0	0.7
Tetrachloroethene	ND		5.0	0.49
Toluene	ND		5.0	0.25
Trichloroethene	ND		5.0	0.25
Vinyl acetate	ND		10	0.57
Vinyl chloride	ND		2.0	0.25
cis-1,3-Dichloropropene	ND		5.0	0.26
m,p-Xylene	ND		1.0	0.3
o-Xylene	ND		1.0	0.31
trans-1,2-Dichloroethene	ND		5.0	0.35
trans-1,3-Dichloropropene	ND		5.0	0.31
Xylenes,Total	ND		1.0	0.3
Surr: 1,2-Dichloroethane-d4	102.0		62-130	0
Surr: 4-Bromofluorobenzene	104.0		70-130	0
Surr: Toluene-d8	112.0		74-122	0

Laboratory Control Sample (LCS)

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
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HOUSTON, TX 77054
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08110954**
Method: **SW8260B** **Lab Batch ID:** **R258115**

RunID: K_081124B-4788535 Units: ug/L
Analysis Date: 11/24/2008 13:30 Analyst: LU_L
Preparation Date: 11/24/2008 13:30 Prep By: Method

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
1,1,1,2-Tetrachloroethane	20.0	21.0	105		71	136
1,1,1-Trichloroethane	20.0	20.0	100		66	132
1,1,2-Trichloroethane	20.0	21.0	105		70	130
1,1-Dichloroethane	20.0	18.0	90.0		67	131
1,1-Dichloroethene	20.0	20.0	100		71	146
1,1-Dichloropropene	20.0	20.0	100		59	138
1,2-Dibromoethane	20.0	20.0	100		63	126
2-Butanone	120	110	91.7		20	235
2-Hexanone	20.0	23.0	115		34	182
4-Methyl-2-pentanone	20.0	16.0	80.0		11	145
Acetone	200	200	100		13	386
Bromodichloromethane	20.0	20.0	100		77	138
Bromoform	20.0	17.0	85.0		55	129
Bromomethane	20.0	20.0	100		58	148
Carbon disulfide	20.0	20.0	100		46	146
Carbon tetrachloride	20.0	19.0	95.0		66	137
Chlorobenzene	20.0	22.0	110		67	136
Chloroethane	20.0	19.0	95.0		50	137
Chloroform	20.0	18.0	90.0		70	135
Chloromethane	20.0	22.0	110		51	140
Dibromochloromethane	20.0	20.0	100		69	127
Dibromomethane	20.0	19.0	95.0		74	130
Ethylbenzene	20.0	22.0	110		67	122
Methylene chloride	20.0	22.0	110		52	143
Styrene	20.0	22.0	110		60	139
Tetrachloroethene	20.0	23.0	115		26	200
Toluene	20.0	23.0	115		70	131
Trichloroethene	20.0	20.0	100		64	137
Vinyl acetate	20.0	17.0	85.0		10	193
Vinyl chloride	20.0	23.0	115		31	147
cis-1,3-Dichloropropene	20.0	19.0	95.0		61	134
m,p-Xylene	40.0	44.0	110		72	150
o-Xylene	20.0	22.0	110		78	141
trans-1,2-Dichloroethene	20.0	21.0	105		67	141
trans-1,3-Dichloropropene	20.0	18.0	90.0		56	136

Qualifiers:
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08110954**
Method: **SW8260B** **Lab Batch ID:** **R258115**

Laboratory Control Sample (LCS)

RunID: K_081124B-4788535 Units: ug/L
Analysis Date: 11/24/2008 13:30 Analyst: LU_L
Preparation Date: 11/24/2008 13:30 Prep By: Method

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
Xylenes,Total	60	66	110		72	150
Surr: 1,2-Dichloroethane-d4	50.0	49	98.0		62	130
Surr: 4-Bromofluorobenzene	50.0	56	112		70	130
Surr: Toluene-d8	50.0	57	114		74	122

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08110922-13
RunID: K_081124B-4788542 Units: ug/L
Analysis Date: 11/24/2008 19:25 Analyst: LU_L

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
1,1,1,2-Tetrachloroethane	ND		20	19.0	95.0		20	21.0	105		10.0		20	35	175
1,1,1-Trichloroethane	ND		20	18.0	90.0		20	19.0	95.0		5.41		20	35	175
1,1,2-Trichloroethane	ND		20	20.0	100		20	20.0	100		0		20	35	175
1,1-Dichloroethane	ND		20	19.0	95.0		20	18.0	90.0		5.41		20	35	175
1,1-Dichloroethene	ND		20	18.0	90.0		20	18.0	90.0		0		22	61	145
1,1-Dichloropropene	ND		20	19.0	95.0		20	19.0	95.0		0		20	35	175
1,2-Dibromoethane	ND		20	20.0	100		20	20.0	100		0		20	35	175
2-Butanone	ND		20	14.0	70.0		20	14.0	70.0		0		20	10	230
2-Hexanone	ND		20	16.0	80.0		20	16.0	80.0		0		20	10	250
4-Methyl-2-pentanone	ND		20	18.0	90.0		20	16.0	80.0		11.8		20	10	175
Acetone	ND		100	58.0	58.0		100	58.0	58.0		0		20	10	400
Bromodichloromethane	ND		20	19.0	95.0		20	19.0	95.0		0		20	35	175
Bromoform	ND		20	15.0	75.0		20	14.0	70.0		6.90		20	35	175
Bromomethane	ND		20	19.0	95.0		20	18.0	90.0		5.41		20	35	175
Carbon disulfide	ND		20	18.0	90.0		20	19.0	95.0		5.41		20	30	225
Carbon tetrachloride	ND		20	19.0	95.0		20	18.0	90.0		5.41		20	35	175
Chlorobenzene	ND		20	21.0	105		20	22.0	110		4.65		21	70	130
Chloroethane	ND		20	18.0	90.0		20	17.0	85.0		5.71		20	35	175
Chloroform	ND		20	18.0	90.0		20	18.0	90.0		0		20	35	175

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HOUSTON, TX 77054
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08110954**
Method: **SW8260B** **Lab Batch ID:** **R258115**

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08110922-13
RunID: K_081124B-4788542 Units: ug/L
Analysis Date: 11/24/2008 19:25 Analyst: LU_L

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
Chloromethane	ND		20	19.0	95.0		20	20.0	100		5.13		20	35	175
Dibromochloromethane	ND		20	18.0	90.0		20	18.0	90.0		0		20	35	175
Dibromomethane	ND		20	20.0	100		20	19.0	95.0		5.13		20	35	175
Ethylbenzene	ND		20	20.0	100		20	21.0	105		4.88		20	35	175
Methylene chloride	ND		20	20.0	100		20	21.0	105		4.88		20	35	175
Styrene	ND		20	20.0	100		20	20.0	100		0		20	35	175
Tetrachloroethene	ND		20	21.0	105		20	22.0	110		4.65		20	30	250
Toluene	ND		20	20.0	100		20	22.0	110		9.52		24	70	131
Trichloroethene	ND		20	21.0	105		20	21.0	105		0		21	60	140
Vinyl acetate	ND		20	17.0	85.0		20	16.0	80.0		6.06		20	10	250
Vinyl chloride	ND		20	20.0	100		20	20.0	100		0		20	35	175
cis-1,3-Dichloropropene	ND		20	18.0	90.0		20	19.0	95.0		5.41		20	35	175
m,p-Xylene	ND		40	40.0	100		40	42.0	105		4.88		20	35	175
o-Xylene	ND		20	20.0	100		20	21.0	105		4.88		20	35	175
trans-1,2-Dichloroethene	ND		20	20.0	100		20	20.0	100		0		20	35	175
trans-1,3-Dichloropropene	ND		20	18.0	90.0		20	17.0	85.0		5.71		20	35	175
Xylenes,Total	ND		60	60	100		60	63	100		4.9		20	35	175
Surr: 1,2-Dichloroethane-d4	ND		50	50	100		50	47.0	94.0		6.19		30	62	130
Surr: 4-Bromofluorobenzene	ND		50	53	106		50	56.0	112		5.50		30	70	130
Surr: Toluene-d8	ND		50	54	108		50	57.0	114		5.41		30	74	122

Qualifiers:
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis:	**Volatile Organics by Method 8260B**	**WorkOrder:**	**08110954**
Method:	**SW8260B**	**Lab Batch ID:**	**R258239**

Method Blank

RunID:	K_081125E-4791056	Units:	ug/L
Analysis Date:	11/25/2008 8:27	Analyst:	LU_L
Preparation Date:	11/25/2008 8:27	Prep By:	Method

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08110954-01A	Trip Blank
08110954-07A	EW-2S

Analyte	Result	Qual	Rep Limit	MDL
1,1,1,2-Tetrachloroethane	ND		5.0	0.42
1,1,1-Trichloroethane	ND		5.0	0.25
1,1,2-Trichloroethane	ND		5.0	0.38
1,1-Dichloroethane	ND		5.0	0.28
1,1-Dichloroethene	ND		5.0	0.5
1,1-Dichloropropene	ND		5.0	0.35
1,2-Dibromoethane	ND		5.0	0.31
2-Butanone	ND		20	3.2
2-Hexanone	ND		10	0.47
4-Methyl-2-pentanone	ND		10	0.31
Acetone	ND		100	4.6
Benzene	ND		5.0	0.35
Bromodichloromethane	ND		5.0	0.25
Bromoform	ND		5.0	0.5
Bromomethane	ND		10	0.78
Carbon disulfide	ND		5.0	0.25
Carbon tetrachloride	ND		5.0	0.25
Chlorobenzene	ND		5.0	0.3
Chloroethane	ND		10	0.31
Chloroform	ND		5.0	0.24
Chloromethane	ND		10	0.3
Dibromochloromethane	ND		5.0	0.36
Dibromomethane	ND		5.0	0.3
Ethylbenzene	ND		5.0	0.34
Methylene chloride	ND		5.0	0.67
Styrene	ND		5.0	0.7
Tetrachloroethene	ND		5.0	0.49
Toluene	ND		5.0	0.25
Trichloroethene	ND		5.0	0.25
Vinyl acetate	ND		10	0.57
Vinyl chloride	ND		2.0	0.25
cis-1,2-Dichloroethene	ND		5.0	0.48
cis-1,3-Dichloropropene	ND		5.0	0.26
m,p-Xylene	ND		1.0	0.3
o-Xylene	ND		1.0	0.31
trans-1,2-Dichloroethene	ND		5.0	0.35
trans-1,3-Dichloropropene	ND		5.0	0.31
Xylenes,Total	ND		1.0	0.3
Surr: 1,2-Dichloroethane-d4	98.0		62-130	0
Surr: 4-Bromofluorobenzene	104.0		70-130	0
Surr: Toluene-d8	112.0		74-122	0

Laboratory Control Sample (LCS)

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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08110954**
Method: **SW8260B** **Lab Batch ID:** **R258239**

RunID: K_081125E-4791053 Units: ug/L
Analysis Date: 11/25/2008 7:25 Analyst: LU_L
Preparation Date: 11/25/2008 7:25 Prep By: Method

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
1,1,1,2-Tetrachloroethane	20.0	21.0	105		71	136
1,1,1-Trichloroethane	20.0	18.0	90.0		66	132
1,1,2-Trichloroethane	20.0	21.0	105		70	130
1,1-Dichloroethane	20.0	20.0	100		67	131
1,1-Dichloroethene	20.0	17.0	85.0		71	146
1,1-Dichloropropene	20.0	18.0	90.0		59	138
1,2-Dibromoethane	20.0	21.0	105		63	126
2-Butanone	120	100	83.3		20	235
2-Hexanone	20.0	20.0	100		34	182
4-Methyl-2-pentanone	20.0	20.0	100		11	145
Acetone	200	140	70.0		13	386
Benzene	20.0	20.0	100		76	126
Bromodichloromethane	20.0	20.0	100		77	138
Bromoform	20.0	20.0	100		55	129
Bromomethane	20.0	20.0	100		58	148
Carbon disulfide	20.0	17.0	85.0		46	146
Carbon tetrachloride	20.0	19.0	95.0		66	137
Chlorobenzene	20.0	21.0	105		67	136
Chloroethane	20.0	17.0	85.0		50	137
Chloroform	20.0	18.0	90.0		70	135
Chloromethane	20.0	20.0	100		51	140
Dibromochloromethane	20.0	20.0	100		69	127
Dibromomethane	20.0	20.0	100		74	130
Ethylbenzene	20.0	21.0	105		67	122
Methylene chloride	20.0	19.0	95.0		52	143
Styrene	20.0	21.0	105		60	139
Tetrachloroethene	20.0	25.0	125		26	200
Toluene	20.0	21.0	105		70	131
Trichloroethene	20.0	20.0	100		64	137
Vinyl acetate	20.0	19.0	95.0		10	193
Vinyl chloride	20.0	20.0	100		31	147
cis-1,2-Dichloroethene	20.0	20.0	100		70	142
cis-1,3-Dichloropropene	20.0	17.0	85.0		61	134
m,p-Xylene	40.0	43.0	108		72	150
o-Xylene	20.0	22.0	110		78	141

Qualifiers:
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis:	**Volatile Organics by Method 8260B**	**WorkOrder:**	**08110954**
Method:	**SW8260B**	**Lab Batch ID:**	**R258239**

Laboratory Control Sample (LCS)

RunID:	K_081125E-4791053	Units:	ug/L
Analysis Date:	11/25/2008 7:25	Analyst:	LU_L
Preparation Date:	11/25/2008 7:25	Prep By:	Method

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
trans-1,2-Dichloroethene	20.0	18.0	90.0		67	141
trans-1,3-Dichloropropene	20.0	17.0	85.0		56	136
Xylenes,Total	60	65	110		72	150
Surr: 1,2-Dichloroethane-d4	50.0	49	98.0		62	130
Surr: 4-Bromofluorobenzene	50.0	56	112		70	130
Surr: Toluene-d8	50.0	55	110		74	122

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked:	08111164-09		
RunID:	K_081125E-4791025	Units:	ug/L
Analysis Date:	11/25/2008 15:47	Analyst:	LU_L

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
1,1,1,2-Tetrachloroethane	ND		10000	11000	110		10000	9300	93.0		16.7		20	35	175
1,1,1-Trichloroethane	ND		10000	10000	100		10000	9200	92.0		8.33		20	35	175
1,1,2-Trichloroethane	ND		10000	11000	110		10000	9500	95.0		14.6		20	35	175
1,1-Dichloroethane	ND		10000	9700	97.0		10000	9200	92.0		5.29		20	35	175
1,1-Dichloroethene	ND		10000	10000	100		10000	8800	88.0		12.8		22	61	145
1,1-Dichloropropene	ND		10000	10000	100		10000	9300	93.0		7.25		20	35	175
1,2-Dibromoethane	ND		10000	11000	110		10000	9000	90.0		20.0		20	35	175
2-Butanone	4800	J	10000	13000	82.0		10000	14000	92.0		7.41		20	10	230
2-Hexanone	ND		10000	10000	100		10000	8600	86.0		15.1		20	10	250
4-Methyl-2-pentanone	ND		10000	8700	87.0		10000	7500	75.0		14.8		20	10	175
Acetone	ND		50000	43000	86.0		50000	35000	70.0		20.5	*	20	10	400
Benzene	1600	J	10000	12000	104		10000	11000	94.0		8.70		22	76	127
Bromodichloromethane	ND		10000	9800	98.0		10000	8900	89.0		9.63		20	35	175
Bromoform	ND		10000	8400	84.0		10000	7600	76.0		10.0		20	35	175
Bromomethane	ND		10000	10000	100		10000	10000	100		0		20	35	175
Carbon disulfide	ND		10000	11000	110		10000	9200	92.0		17.8		20	30	225
Carbon tetrachloride	ND		10000	9800	98.0		10000	9100	91.0		7.41		20	35	175

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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08110954**
Method: **SW8260B** **Lab Batch ID:** **R258239**

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08111164-09
RunID: K_081125E-4791025 Units: ug/L
Analysis Date: 11/25/2008 15:47 Analyst: LU_L

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
Chlorobenzene	ND		10000	11000	110		10000	10000	100		9.52		21	70	130
Chloroethane	ND		10000	10000	100		10000	8700	87.0		13.9		20	35	175
Chloroform	ND		10000	9500	95.0		10000	8400	84.0		12.3		20	35	175
Chloromethane	ND		10000	11000	110		10000	9200	92.0		17.8		20	35	175
Dibromochloromethane	ND		10000	10000	100		10000	8700	87.0		13.9		20	35	175
Dibromomethane	ND		10000	10000	100		10000	9200	92.0		8.33		20	35	175
Ethylbenzene	5600		10000	18000	124		10000	16000	104		11.8		20	35	175
Methylene chloride	ND		10000	11000	110		10000	9300	93.0		16.7		20	35	175
Styrene	ND		10000	12000	120		10000	10000	100		18.2		20	35	175
Tetrachloroethene	ND		10000	12000	120		10000	10000	100		18.2		20	30	250
Toluene	20000		10000	33000	130		10000	33000	130		0		24	70	131
Trichloroethene	ND		10000	11000	110		10000	9900	99.0		10.5		21	60	140
Vinyl acetate	ND		10000	8500	85.0		10000	7800	78.0		8.59		20	10	250
Vinyl chloride	ND		10000	11000	110		10000	9700	97.0		12.6		20	35	175
cis-1,2-Dichloroethene	ND		10000	10000	100		10000	9200	92.0		8.33		20	35	175
cis-1,3-Dichloropropene	ND		10000	9700	97.0		10000	8800	88.0		9.73		20	35	175
m,p-Xylene	33000		20000	59000	130		20000	58000	125		1.71		20	35	175
o-Xylene	42000		10000	56000	N/C		10000	56000	N/C		N/C		20	35	175
trans-1,2-Dichloroethene	ND		10000	11000	110		10000	9300	93.0		16.7		20	35	175
trans-1,3-Dichloropropene	ND		10000	9400	94.0		10000	8200	82.0		13.6		20	35	175
Xylenes,Total	75000		30000	115000	133		30000	114000	130		0.873		20	35	175
Surr: 1,2-Dichloroethane-d4	ND		25000	25000	100		25000	24000	96.0		4.08		30	62	130
Surr: 4-Bromofluorobenzene	ND		25000	27000	108		25000	27000	108		0		30	70	130
Surr: Toluene-d8	ND		25000	28000	112		25000	27000	108		3.64		30	74	122

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08110954**
Method: **SW8260B** **Lab Batch ID:** **R258598**

Method Blank

RunID: K_081126B-4797549 Units: ug/L
Analysis Date: 11/26/2008 11:21 Analyst: LU_L
Preparation Date: 11/26/2008 11:21 Prep By: Method

Analyte	Result	Qual	Rep Limit	MDL
1,1,1,2-Tetrachloroethane	ND		5.0	0.42
1,1,1-Trichloroethane	ND		5.0	0.25
1,1,2-Trichloroethane	ND		5.0	0.38
1,1-Dichloroethane	ND		5.0	0.28
1,1-Dichloroethene	ND		5.0	0.5
1,1-Dichloropropene	ND		5.0	0.35
1,2-Dibromoethane	ND		5.0	0.31
2-Butanone	ND		20	3.2
2-Hexanone	ND		10	0.47
4-Methyl-2-pentanone	ND		10	0.31
Acetone	ND		100	4.6
Benzene	ND		5.0	0.35
Bromodichloromethane	ND		5.0	0.25
Bromoform	ND		5.0	0.5
Bromomethane	ND		10	0.78
Carbon disulfide	ND		5.0	0.25
Carbon tetrachloride	ND		5.0	0.25
Chlorobenzene	ND		5.0	0.3
Chloroethane	ND		10	0.31
Chloroform	ND		5.0	0.24
Chloromethane	ND		10	0.3
Dibromochloromethane	ND		5.0	0.36
Dibromomethane	ND		5.0	0.3
Ethylbenzene	ND		5.0	0.34
Methylene chloride	ND		5.0	0.67
Styrene	ND		5.0	0.7
Tetrachloroethene	ND		5.0	0.49
Toluene	ND		5.0	0.25
Trichloroethene	ND		5.0	0.25
Vinyl acetate	ND		10	0.57
Vinyl chloride	ND		2.0	0.25
cis-1,2-Dichloroethene	ND		5.0	0.48
cis-1,3-Dichloropropene	ND		5.0	0.26
m,p-Xylene	ND		1.0	0.3
o-Xylene	ND		1.0	0.31
trans-1,2-Dichloroethene	ND		5.0	0.35
trans-1,3-Dichloropropene	ND		5.0	0.31
Xylenes,Total	ND		1.0	0.3
Surr: 1,2-Dichloroethane-d4	96.0		62-130	0
Surr: 4-Bromofluorobenzene	104.0		70-130	0
Surr: Toluene-d8	112.0		74-122	0

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08110954-02A	IW-3R
08110954-03A	169R
08110954-04A	269R
08110954-05A	103R
08110954-06A	IW-1R
08110954-07A	EW-2S

Laboratory Control Sample (LCS)

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

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8880 INTERCHANGE DRIVE
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(713) 660-0901

Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08110954**
Method: **SW8260B** **Lab Batch ID:** **R258598**

RunID: K_081126B-4797548 Units: ug/L
Analysis Date: 11/26/2008 10:11 Analyst: LU_L
Preparation Date: 11/26/2008 10:11 Prep By: Method

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
1,1,1,2-Tetrachloroethane	20.0	19.0	95.0		71	136
1,1,1-Trichloroethane	20.0	16.0	80.0		66	132
1,1,2-Trichloroethane	20.0	20.0	100		70	130
1,1-Dichloroethane	20.0	16.0	80.0		67	131
1,1-Dichloroethene	20.0	17.0	85.0		71	146
1,1-Dichloropropene	20.0	17.0	85.0		59	138
1,2-Dibromoethane	20.0	20.0	100		63	126
2-Butanone	120	100	83.3		20	235
2-Hexanone	20.0	22.0	110		34	182
4-Methyl-2-pentanone	20.0	18.0	90.0		11	145
Acetone	200	200	100		13	386
Benzene	20.0	18.0	90.0		76	126
Bromodichloromethane	20.0	18.0	90.0		77	138
Bromoform	20.0	16.0	80.0		55	129
Bromomethane	20.0	18.0	90.0		58	148
Carbon disulfide	20.0	17.0	85.0		46	146
Carbon tetrachloride	20.0	17.0	85.0		66	137
Chlorobenzene	20.0	20.0	100		67	136
Chloroethane	20.0	16.0	80.0		50	137
Chloroform	20.0	17.0	85.0		70	135
Chloromethane	20.0	19.0	95.0		51	140
Dibromochloromethane	20.0	18.0	90.0		69	127
Dibromomethane	20.0	18.0	90.0		74	130
Ethylbenzene	20.0	20.0	100		67	122
Methylene chloride	20.0	18.0	90.0		52	143
Styrene	20.0	19.0	95.0		60	139
Tetrachloroethene	20.0	21.0	105		26	200
Toluene	20.0	20.0	100		70	131
Trichloroethene	20.0	20.0	100		64	137
Vinyl acetate	20.0	16.0	80.0		10	193
Vinyl chloride	20.0	19.0	95.0		31	147
cis-1,2-Dichloroethene	20.0	16.0	80.0		70	142
cis-1,3-Dichloropropene	20.0	17.0	85.0		61	134
m,p-Xylene	40.0	40.0	100		72	150
o-Xylene	20.0	20.0	100		78	141

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
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HOUSTON, TX 77054
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08110954**
Method: **SW8260B** **Lab Batch ID:** **R258598**

Laboratory Control Sample (LCS)

RunID: K_081126B-4797548 Units: ug/L
Analysis Date: 11/26/2008 10:11 Analyst: LU_L
Preparation Date: 11/26/2008 10:11 Prep By: Method

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
trans-1,2-Dichloroethene	20.0	18.0	90.0		67	141
trans-1,3-Dichloropropene	20.0	17.0	85.0		56	136
Xylenes,Total	60	60	100		72	150
Surr: 1,2-Dichloroethane-d4	50.0	49	98.0		62	130
Surr: 4-Bromofluorobenzene	50.0	54	108		70	130
Surr: Toluene-d8	50.0	55	110		74	122

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08110954-06
RunID: K_081126B-4797551 Units: ug/L
Analysis Date: 11/26/2008 14:16 Analyst: LU_L

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
1,1,1,2-Tetrachloroethane	ND		100	89.0	89.0		100	100	100		11.6		20	35	175
1,1,1-Trichloroethane	ND		100	90.0	90.0		100	95.0	95.0		5.41		20	35	175
1,1,2-Trichloroethane	ND		100	87.0	87.0		100	95.0	95.0		8.79		20	35	175
1,1-Dichloroethane	ND		100	80.0	80.0		100	90.0	90.0		11.8		20	35	175
1,1-Dichloroethene	ND		100	78.0	78.0		100	82.0	82.0		5.00		22	61	145
1,1-Dichloropropene	ND		100	83.0	83.0		100	89.0	89.0		6.98		20	35	175
1,2-Dibromoethane	ND		100	88.0	88.0		100	96.0	96.0		8.70		20	35	175
2-Butanone	ND		100	58.0	58.0		100	64.0	64.0		9.84		20	10	230
2-Hexanone	ND		100	70.0	70.0		100	76.0	76.0		8.22		20	10	250
4-Methyl-2-pentanone	ND		100	76.0	76.0		100	78.0	78.0		2.60		20	10	175
Acetone	ND		500	230	46.0		500	220	44.0		4.44		20	10	400
Benzene	470		100	540	N/C		100	560	N/C		N/C		22	76	127
Bromodichloromethane	ND		100	82.0	82.0		100	90.0	90.0		9.30		20	35	175
Bromoform	ND		100	73.0	73.0		100	85.0	85.0		15.2		20	35	175
Bromomethane	ND		100	91.0	91.0		100	88.0	88.0		3.35		20	35	175
Carbon disulfide	ND		100	85.0	85.0		100	87.0	87.0		2.33		20	30	225
Carbon tetrachloride	ND		100	81.0	81.0		100	90.0	90.0		10.5		20	35	175

Qualifiers:
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08110954**
Method: **SW8260B** **Lab Batch ID:** **R258598**

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08110954-06
RunID: K_081126B-4797551 Units: ug/L
Analysis Date: 11/26/2008 14:16 Analyst: LU_L

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
Chlorobenzene	ND		100	95.0	95.0		100	100	100		5.13		21	70	130
Chloroethane	ND		100	83.0	83.0		100	83.0	83.0		0		20	35	175
Chloroform	ND		100	79.0	79.0		100	80.0	80.0		1.26		20	35	175
Chloromethane	ND		100	90.0	90.0		100	93.0	93.0		3.28		20	35	175
Dibromochloromethane	ND		100	85.0	85.0		100	92.0	92.0		7.91		20	35	175
Dibromomethane	ND		100	87.0	87.0		100	88.0	88.0		1.14		20	35	175
Ethylbenzene	250		100	330	80.0		100	350	100		5.88		20	35	175
Methylene chloride	ND		100	94.0	94.0		100	94.0	94.0		0		20	35	175
Styrene	ND		100	93.0	93.0		100	100	100		7.25		20	35	175
Tetrachloroethene	ND		100	94.0	94.0		100	100	100		6.19		20	30	250
Toluene	ND		100	97.0	97.0		100	110	110		12.6		24	70	131
Trichloroethene	ND		100	91.0	91.0		100	97.0	97.0		6.38		21	60	140
Vinyl acetate	ND		100	72.0	72.0		100	80.0	80.0		10.5		20	10	250
Vinyl chloride	ND		100	90.0	90.0		100	96.0	96.0		6.45		20	35	175
cis-1,2-Dichloroethene	320		100	430	110		100	430	110		0		20	35	175
cis-1,3-Dichloropropene	ND		100	83.0	83.0		100	86.0	86.0		3.55		20	35	175
m,p-Xylene	230		200	410	90.0		200	440	105		7.06		20	35	175
o-Xylene	17.0		100	110	93.0		100	120	103		8.70		20	35	175
trans-1,2-Dichloroethene	ND		100	91.0	91.0		100	91.0	91.0		0		20	35	175
trans-1,3-Dichloropropene	ND		100	79.0	79.0		100	82.0	82.0		3.73		20	35	175
Xylenes,Total	250		300	520	91		300	560	100		7.4		20	35	175
Surr: 1,2-Dichloroethane-d4	ND		250	240	96.0		250	240	96.0		0		30	62	130
Surr: 4-Bromofluorobenzene	ND		250	260	104		250	270	108		3.77		30	70	130
Surr: Toluene-d8	ND		250	270	108		250	270	108		0		30	74	122

Qualifiers:
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Sample Receipt Checklist

And

Chain of Custody

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Sample Receipt Checklist

Workorder:	**08110954**	Received By:	**L_C**
Date and Time Received:	**11/19/2008 9:30:00 AM**	Carrier name:	**Fedex-Priority**
Temperature:	**3.5°C**	Chilled by:	**Water Ice**

1.	**Shipping container/cooler in good condition?**	Yes ☑	No ☐	Not Present ☐
2.	**Custody seals intact on shippping container/cooler?**	Yes ☑	No ☐	Not Present ☐
3.	**Custody seals intact on sample bottles?**	Yes ☐	No ☐	Not Present ☑
4.	**Chain of custody present?**	Yes ☑	No ☐	
5.	**Chain of custody signed when relinquished and received?**	Yes ☑	No ☐	
6.	**Chain of custody agrees with sample labels?**	Yes ☑	No ☐	
7.	**Samples in proper container/bottle?**	Yes ☑	No ☐	
8.	**Sample containers intact?**	Yes ☑	No ☐	
9.	**Sufficient sample volume for indicated test?**	Yes ☑	No ☐	
10.	**All samples received within holding time?**	Yes ☑	No ☐	
11.	**Container/Temp Blank temperature in compliance?**	Yes ☑	No ☐	
12.	**Water - VOA vials have zero headspace?**	Yes ☑	No ☐	VOA Vials Not Present ☐
13.	**Water - Preservation checked upon receipt (except VOA*)?**	Yes ☑	No ☐	Not Applicable ☐

***VOA Preservation Checked After Sample Analysis**

SPL Representative: _____ **Contact Date & Time:** _____

Client Name Contacted: _____

Non Conformance Issues: _____

Client Instructions: _____

SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No. 312502

GF116954 page 1 of 1

Client Name: Arcadis
Address: 2 Executive Dr #303 Chelmsford MA 01824
Phone/Fax: 9789379999
Client Contact: Debra Stake Email:
Project Name/No.: MA000725000300104
Site Name: Ford
Site Location: Tibbetts Rd
Invoice To: Ph:

SAMPLE ID	DATE	TIME	comp	grab	matrix: W=water S=soil O=oil SL=sludge X=other	bottle: P=plastic A=amber glass G=glass V=vial X=other	size: 1=1 liter 4=4oz 40=vial 8=8oz 16=16oz X=other	pres.: 1=HCl 2=HNO3 3=H2SO4 X=other	Number of Containers	Requested Analysis: Voc 8260b	As/Mn 6010B	dissolved As/Mn 6010B	Ethene Ethane Methane RSK-147					
Trip Blank	—	—	—	—	W	V	40	1	2	X								
IW-3R	11-18-08	1050		X	W	V/P	16/40	1/2	4	X	X							
169R	11-18-08	1205		X	W	V/P	16/40	1/2	4	X	X							
269R	11-18-08	1305		X	W	V/P	16/40	1/2	4	X	X							
103R	11-18-08	1235		X	W	V/P	16/40	1/2	4	X	X							
IW-1R	11-18-08	1500		X	W	V/P	16/40	1/2	4	X	X							
EW-2S	11-18-08	1510		X	W	V/P	16/40	1/2	4	X	X							

Client/Consultant Remarks: Enovis Project # E101274

Laboratory remarks:

Intact? ☒ Y ☐ N
Ice? ☒ Y ☐ N
Temp: 3.5°C

Requested TAT

Contract ☐ 72hr ☐
24hr ☐ Standard ☒
48hr ☐
Other ☐ _____

Special Reporting Requirements Results: Fax ☐ Email ☐ PDF ☐
Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐ TX TRRP ☐ LA RECAP ☐

Special Detection Limits (specify):

PM review (initial):

	date	time	
1. Relinquished by Sampler: [signature]	11 18 08	1700	2. Received by:
3. Relinquished by:			4. Received by:
5. Relinquished by:	11/19/08	10:00	6. Received by Laboratory: [signature]

☒ 8880 Interchange Drive
Houston, TX 77054 (713) 660-0901

☐ 500 Ambassador Caffery Parkway
Scott, LA 70583 (337) 237-4775

☐ 459 Hughes Drive
Traverse City, MI 49686 (231) 947-5777

December 10, 2008

Debra Stake
ARCADIS
175 Cabot Street, Suite 400
Lowell, MA US 01854

Enovis project ID: E101274
Project: Tibbetts Rd. sampling
Project number: MA000725
Laboratory: Southern Petroleum Laboratory (SPL) - Houston
Laboratory submittal: 08111004
Sample date: 2008-11-19
Report received by Enovis: 2008-12-09
Initial Data Verification completed by Enovis: 2008-12-10

Data verification for the report specified above was completed using the Ford Motor Company Environmental Laboratory Technical Specification, the Enovis Standard Operating Procedure for the Verification of Environmental Analytical Data and the associated analytical methods as references for evaluating the batch QC, sample data and report content. The EPA National Functional Guidelines for validating organic and inorganic data were used as guidance when addressing out of control QC results and the associated data qualifiers.

6 Water sample(s) and 1 Trip Blank were analyzed for GCMS VOC and Metals parameter(s).

Sample/MS/MSD Surrogate Recovery, Blank/LCS Surrogate Recovery, LCS/LCD Recovery, MS/MSD Recovery, MS/MSD RPD, Blank Contamination and Hold Time Exception were reviewed as part of our verification.

Analytical results reported between RDL and MDL are flagged 'J' and considered estimated values.

The following minor QC exceptions or missing information were noted:

GCMS VOC Trip Blank (client sample -001) had detections between the MDL and RL for Chloroform and Toluene. Client sample -002 Toluene results should be considered non-detect at the RL and qualified with a UB flag. Chloroform trip blank detection did not translate into the requirement for qualification of client sample results.

GCMS VOC MS/MSD recoveries performed on client sample -003 were not used to qualify client sample results for Ethyl benzene and Xylenes due to elevated levels of target analyte in the original sample matrix relative to the amount spiked (4X rule) for these analytes.

Metals method blank had a detection between the MDL and RL for Manganese. Qualification of client sample results was not required based on this method blank detection.

The definitions of the qualifiers used for this data package are defined in the analytical report. Enovis valid qualifiers are defined in the table below. To view and download a PDF copy of the laboratory's analytical report access the Enovis CLMS at http://enovis-inc.com/enovis53/index.cfm.

Please contact me if you have any questions.

Sincerely,

Jim Tomalia

Project Scientist

Enovis Valid Qualifiers

Valid Qualifiers	Description
<	Less than the reported concentration.
>	Greater than the reported concentration.
B	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was greater than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the reported concentration. For Inorganic methods the sample concentration was greater than the RDL and less than 10x the blank concentration and is considered non-detect at the reported concentration.
E	The analyte / Compound reported exceeds the calibration range and is considered estimated.
EMPC	Estimated Minimum Potential Contamination - Dioxin/Furan analyses only.
J	Indicates an estimated value. This flag is used either when estimating a concentration for a tentatively identified compound or when the data indicates the presence of an analyte / compound but the result is less than the sample Quantitation limit, but greater than zero. The flag is also used in data validation to indicate a reported value should be considered estimated due to associated quality assurance deficiencies.
JH	The sample result is considered estimated and is potentially biased high.
JL	The sample result is considered estimated and is potentially biased low.
NJ	Tentatively identified compound with approximated concentration.
R	Indicates the value is considered to be unusable. (Note: The analyte / compound may or may not be present.)
TNTC	Too Numerous to Count - Asbestos and Microbiological Results.
U	Indicates that the analyte / compound was analyzed for, but not detected.
UB	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was less than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the RDL. For Inorganic methods the sample concentration was less than the RDL and less than 10x the blank concentration and is considered non-detect at the RDL.
UJ	The analyte / compound was not detected above the reported sample Quantitation limit. However, the Quantitation limit is considered to be approximate due to associated quality assurance results and may or may not represent the actual limit of Quantitation to accurately and precisely report the analyte in the sample.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Enovis, Inc.

Certificate of Analysis Number:

08111004

Report To:	**Project Name:** E101274, Tibbetts Road
ARCADIS U.S., Inc.	**Site:** Tibbetts Rd.
Debra Stake	**Site Address:**
2 Executive Dr #303	
Chelmsford	**PO Number:**
MA	**State:** New Hampshire
01824-	**State Cert. No.:** 295301
ph: (978) 937-9999 fax:	**Date Reported:** 12/9/2008

This Report Contains A Total Of 35 Pages

Excluding This Page

And

Chain Of Custody

12/9/2008

Joann Marroquin
Project Manager

Date

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Case Narrative for:

Enovis, Inc.

Certificate of Analysis Number:

08111004

Report To:		**Project Name:**	**E101274, Tibbetts Road**
ARCADIS U.S., Inc.		**Site:**	**Tibbetts Rd.**
Debra Stake		**Site Address:**	
2 Executive Dr #303			
Chelmsford		**PO Number:**	
MA		**State:**	**New Hampshire**
01824-		**State Cert. No.:**	**295301**
ph: (978) 937-9999	**fax:**	**Date Reported:**	**12/9/2008**

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report (" mg\kg-dry " or " ug\kg-dry ").

Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

Some of the percent recoveries and RPD's on the QC report for the MS/MSD may be different than the calculated recoveries and RPD's using the sample result and the MS/MSD results that appear on the report because, the actual raw result is used to perform the calculations for percent recovery and RPD.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

12/9/2008

Joann Marroquin
Senior Project Manager

Date

Test results meet all requirements of NELAC, unless specified in the narrative.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Enovis, Inc.

Certificate of Analysis Number:

08111004

Report To: ARCADIS U.S., Inc.
Debra Stake
2 Executive Dr #303

Chelmsford
MA
01824-
ph: (978) 937-9999 fax: (978) 937-7555

Fax To:

Project Name: E101274, Tibbetts Road
Site: Tibbetts Rd.
Site Address:

PO Number:
State: New Hampshire
State Cert. No.: 295301
Date Reported: 12/9/2008

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
Trip Blank	08111004-01	Water	11/19/2008	11/20/2008 10:00:00 AM	312501	☐
65R	08111004-02	Water	11/19/2008 11:40:00 AM	11/20/2008 10:00:00 AM	312501	☐
57S	08111004-03	Water	11/19/2008 1:25:00 PM	11/20/2008 10:00:00 AM	312501	☐
157S	08111004-04	Water	11/19/2008 2:25:00 PM	11/20/2008 10:00:00 AM	312501	☐
205R	08111004-05	Water	11/19/2008 1:30:00 PM	11/20/2008 10:00:00 AM	312501	☐
106R	08111004-06	Water	11/19/2008 11:00:00 AM	11/20/2008 10:00:00 AM	312501	☐
50S	08111004-07	Water	11/19/2008 3:15:00 PM	11/20/2008 10:00:00 AM	312501	☐

Joann Marroquin
Senior Project Manager

12/9/2008
Date

Richard R. Reed
Laboratory Director

Ted Yen
Quality Assurance Officer

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: Trip Blank | **Collected:** 11/19/2008 0:00 | **SPL Sample ID:** 08111004-01

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	11/26/08 9:57	JC	4791473
1,1,1-Trichloroethane	ND		0.25	5	1	11/26/08 9:57	JC	4791473
1,1,2-Trichloroethane	ND		0.38	5	1	11/26/08 9:57	JC	4791473
1,1-Dichloroethane	ND		0.28	5	1	11/26/08 9:57	JC	4791473
1,1-Dichloroethene	ND		0.5	5	1	11/26/08 9:57	JC	4791473
1,1-Dichloropropene	ND		0.35	5	1	11/26/08 9:57	JC	4791473
1,2-Dibromoethane	ND		0.31	5	1	11/26/08 9:57	JC	4791473
2-Butanone	ND		3.2	20	1	11/26/08 9:57	JC	4791473
2-Hexanone	ND		0.47	10	1	11/26/08 9:57	JC	4791473
4-Methyl-2-pentanone	ND		0.31	10	1	11/26/08 9:57	JC	4791473
Acetone	ND		4.6	100	1	11/26/08 9:57	JC	4791473
Benzene	ND		0.35	5	1	11/26/08 9:57	JC	4791473
Bromodichloromethane	ND		0.25	5	1	11/26/08 9:57	JC	4791473
Bromoform	ND		0.5	5	1	11/26/08 9:57	JC	4791473
Bromomethane	ND		0.78	10	1	11/26/08 9:57	JC	4791473
Carbon disulfide	ND		0.25	5	1	11/26/08 9:57	JC	4791473
Carbon tetrachloride	ND		0.25	5	1	11/26/08 9:57	JC	4791473
Chlorobenzene	ND		0.3	5	1	11/26/08 9:57	JC	4791473
Chloroethane	ND		0.31	10	1	11/26/08 9:57	JC	4791473
Chloroform	1	J	0.24	5	1	11/26/08 9:57	JC	4791473
Chloromethane	ND		0.3	10	1	11/26/08 9:57	JC	4791473
Dibromochloromethane	ND		0.36	5	1	11/26/08 9:57	JC	4791473
Dibromomethane	ND		0.3	5	1	11/26/08 9:57	JC	4791473
Ethylbenzene	ND		0.34	5	1	11/26/08 9:57	JC	4791473
Methylene chloride	ND		0.67	5	1	11/26/08 9:57	JC	4791473
Styrene	ND		0.7	5	1	11/26/08 9:57	JC	4791473
Tetrachloroethene	ND		0.49	5	1	11/26/08 9:57	JC	4791473
Toluene	2	J	0.25	5	1	11/26/08 9:57	JC	4791473
Trichloroethene	ND		0.25	5	1	11/26/08 9:57	JC	4791473
Vinyl acetate	ND		0.57	10	1	11/26/08 9:57	JC	4791473
Vinyl chloride	ND		0.25	2	1	11/26/08 9:57	JC	4791473
cis-1,2-Dichloroethene	ND		0.48	5	1	11/26/08 9:57	JC	4791473
cis-1,3-Dichloropropene	ND		0.26	5	1	11/26/08 9:57	JC	4791473
m,p-Xylene	ND		0.3	1	1	11/26/08 9:57	JC	4791473
o-Xylene	ND		0.31	1	1	11/26/08 9:57	JC	4791473
trans-1,2-Dichloroethene	ND		0.35	5	1	11/26/08 9:57	JC	4791473
trans-1,3-Dichloropropene	ND		0.31	5	1	11/26/08 9:57	JC	4791473
Xylenes,Total	ND		0.3	1	1	11/26/08 9:57	JC	4791473
Surr: 1,2-Dichloroethane-d4	104		0	% 62-130	1	11/26/08 9:57	JC	4791473

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: Trip Blank | **Collected:** 11/19/2008 0:00 | **SPL Sample ID:** 08111004-01

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 4-Bromofluorobenzene	106		0	%	70-130	1	11/26/08 9:57	JC	4791473
Surr: Toluene-d8	100		0	%	74-122	1	11/26/08 9:57	JC	4791473

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
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TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 65R **Collected:** 11/19/2008 11:40 **SPL Sample ID:** 08111004-02

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B Units: mg/L**			
Arsenic	ND		0.0261	0.1	1	12/02/08 3:39	S_C	4798367
Manganese	0.802		0.0006	0.005	1	12/02/08 3:39	S_C	4798367

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	11/25/2008 9:00	AB1	1.00

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
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E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 65R **Collected:** 11/19/2008 11:40 **SPL Sample ID:** 08111004-02

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	11/26/08 10:27	JC	4791474
1,1,1-Trichloroethane	ND		0.25	5	1	11/26/08 10:27	JC	4791474
1,1,2-Trichloroethane	ND		0.38	5	1	11/26/08 10:27	JC	4791474
1,1-Dichloroethane	ND		0.28	5	1	11/26/08 10:27	JC	4791474
1,1-Dichloroethene	ND		0.5	5	1	11/26/08 10:27	JC	4791474
1,1-Dichloropropene	ND		0.35	5	1	11/26/08 10:27	JC	4791474
1,2-Dibromoethane	ND		0.31	5	1	11/26/08 10:27	JC	4791474
2-Butanone	ND		3.2	20	1	11/26/08 10:27	JC	4791474
2-Hexanone	ND		0.47	10	1	11/26/08 10:27	JC	4791474
4-Methyl-2-pentanone	ND		0.31	10	1	11/26/08 10:27	JC	4791474
Acetone	ND		4.6	100	1	11/26/08 10:27	JC	4791474
Benzene	8		0.35	5	1	11/26/08 10:27	JC	4791474
Bromodichloromethane	ND		0.25	5	1	11/26/08 10:27	JC	4791474
Bromoform	ND		0.5	5	1	11/26/08 10:27	JC	4791474
Bromomethane	ND		0.78	10	1	11/26/08 10:27	JC	4791474
Carbon disulfide	ND		0.25	5	1	11/26/08 10:27	JC	4791474
Carbon tetrachloride	ND		0.25	5	1	11/26/08 10:27	JC	4791474
Chlorobenzene	ND		0.3	5	1	11/26/08 10:27	JC	4791474
Chloroethane	ND		0.31	10	1	11/26/08 10:27	JC	4791474
Chloroform	ND		0.24	5	1	11/26/08 10:27	JC	4791474
Chloromethane	ND		0.3	10	1	11/26/08 10:27	JC	4791474
Dibromochloromethane	ND		0.36	5	1	11/26/08 10:27	JC	4791474
Dibromomethane	ND		0.3	5	1	11/26/08 10:27	JC	4791474
Ethylbenzene	2	J	0.34	5	1	11/26/08 10:27	JC	4791474
Methylene chloride	ND		0.67	5	1	11/26/08 10:27	JC	4791474
Styrene	ND		0.7	5	1	11/26/08 10:27	JC	4791474
Tetrachloroethene	ND		0.49	5	1	11/26/08 10:27	JC	4791474
Toluene	2	J	0.25	5	1	11/26/08 10:27	JC	4791474
Trichloroethene	7		0.25	5	1	11/26/08 10:27	JC	4791474
Vinyl acetate	ND		0.57	10	1	11/26/08 10:27	JC	4791474
Vinyl chloride	ND		0.25	2	1	11/26/08 10:27	JC	4791474
cis-1,2-Dichloroethene	75		0.48	5	1	11/26/08 10:27	JC	4791474
cis-1,3-Dichloropropene	ND		0.26	5	1	11/26/08 10:27	JC	4791474
m,p-Xylene	1	J	0.3	1	1	11/26/08 10:27	JC	4791474
o-Xylene	ND		0.31	1	1	11/26/08 10:27	JC	4791474
trans-1,2-Dichloroethene	3	J	0.35	5	1	11/26/08 10:27	JC	4791474
trans-1,3-Dichloropropene	ND		0.31	5	1	11/26/08 10:27	JC	4791474
Xylenes,Total	1	J	0.3	1	1	11/26/08 10:27	JC	4791474
Surr: 1,2-Dichloroethane-d4	102		0	% 62-130	1	11/26/08 10:27	JC	4791474

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 65R **Collected:** 11/19/2008 11:40 **SPL Sample ID:** 08111004-02

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 4-Bromofluorobenzene	106		0	%	70-130	1	11/26/08 10:27	JC	4791474
Surr: Toluene-d8	104		0	%	74-122	1	11/26/08 10:27	JC	4791474

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 57S **Collected:** 11/19/2008 13:25 **SPL Sample ID:** 08111004-03

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, DISSOLVED					**MCL**	**SW6010B Units: mg/L**		
Arsenic	0.0763	J	0.0261	0.1	1	12/01/08 23:34	S_C	4798316
Manganese	6.52		0.0006	0.005	1	12/01/08 23:34	S_C	4798316

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3005A	12/01/2008 13:00	AB1	1.00

METALS BY METHOD 6010B, TOTAL					**MCL**	**SW6010B Units: mg/L**		
Arsenic	0.0786	J	0.0261	0.1	1	12/02/08 3:44	S_C	4798368
Manganese	6.38		0.0006	0.005	1	12/02/08 3:44	S_C	4798368

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	11/25/2008 9:00	AB1	1.00

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 57S **Collected:** 11/19/2008 13:25 **SPL Sample ID:** 08111004-03

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	11/26/08 10:56	JC	4791475
1,1,1-Trichloroethane	ND		0.25	5	1	11/26/08 10:56	JC	4791475
1,1,2-Trichloroethane	ND		0.38	5	1	11/26/08 10:56	JC	4791475
1,1-Dichloroethane	ND		0.28	5	1	11/26/08 10:56	JC	4791475
1,1-Dichloroethene	ND		0.5	5	1	11/26/08 10:56	JC	4791475
1,1-Dichloropropene	ND		0.35	5	1	11/26/08 10:56	JC	4791475
1,2-Dibromoethane	ND		0.31	5	1	11/26/08 10:56	JC	4791475
2-Butanone	ND		3.2	20	1	11/26/08 10:56	JC	4791475
2-Hexanone	ND		0.47	10	1	11/26/08 10:56	JC	4791475
4-Methyl-2-pentanone	ND		0.31	10	1	11/26/08 10:56	JC	4791475
Acetone	ND		4.6	100	1	11/26/08 10:56	JC	4791475
Benzene	ND		0.35	5	1	11/26/08 10:56	JC	4791475
Bromodichloromethane	ND		0.25	5	1	11/26/08 10:56	JC	4791475
Bromoform	ND		0.5	5	1	11/26/08 10:56	JC	4791475
Bromomethane	ND		0.78	10	1	11/26/08 10:56	JC	4791475
Carbon disulfide	ND		0.25	5	1	11/26/08 10:56	JC	4791475
Carbon tetrachloride	ND		0.25	5	1	11/26/08 10:56	JC	4791475
Chlorobenzene	ND		0.3	5	1	11/26/08 10:56	JC	4791475
Chloroethane	ND		0.31	10	1	11/26/08 10:56	JC	4791475
Chloroform	ND		0.24	5	1	11/26/08 10:56	JC	4791475
Chloromethane	ND		0.3	10	1	11/26/08 10:56	JC	4791475
Dibromochloromethane	ND		0.36	5	1	11/26/08 10:56	JC	4791475
Dibromomethane	ND		0.3	5	1	11/26/08 10:56	JC	4791475
Ethylbenzene	250		0.67	10	2	12/01/08 12:36	JC	4800284
Methylene chloride	ND		0.67	5	1	11/26/08 10:56	JC	4791475
Styrene	ND		0.7	5	1	11/26/08 10:56	JC	4791475
Tetrachloroethene	ND		0.49	5	1	11/26/08 10:56	JC	4791475
Toluene	20		0.25	5	1	11/26/08 10:56	JC	4791475
Trichloroethene	ND		0.25	5	1	11/26/08 10:56	JC	4791475
Vinyl acetate	ND		0.57	10	1	11/26/08 10:56	JC	4791475
Vinyl chloride	ND		0.25	2	1	11/26/08 10:56	JC	4791475
cis-1,2-Dichloroethene	7		0.48	5	1	11/26/08 10:56	JC	4791475
cis-1,3-Dichloropropene	ND		0.26	5	1	11/26/08 10:56	JC	4791475
m,p-Xylene	210		0.3	1	1	11/26/08 10:56	JC	4791475
o-Xylene	40		0.31	1	1	11/26/08 10:56	JC	4791475
trans-1,2-Dichloroethene	ND		0.35	5	1	11/26/08 10:56	JC	4791475
trans-1,3-Dichloropropene	ND		0.31	5	1	11/26/08 10:56	JC	4791475
Xylenes,Total	250		0.3	1	1	11/26/08 10:56	JC	4791475
Surr: 1,2-Dichloroethane-d4	102		0	% 62-130	1	11/26/08 10:56	JC	4791475

Joann Marroquin
Project Manager

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
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B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
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MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 57S **Collected:** 11/19/2008 13:25 **SPL Sample ID:** 08111004-03

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 1,2-Dichloroethane-d4	100		0	%	62-130	2	12/01/08 12:36	JC	4800284
Surr: 4-Bromofluorobenzene	108		0	%	70-130	1	11/26/08 10:56	JC	4791475
Surr: 4-Bromofluorobenzene	110		0	%	70-130	2	12/01/08 12:36	JC	4800284
Surr: Toluene-d8	96.0		0	%	74-122	1	11/26/08 10:56	JC	4791475
Surr: Toluene-d8	98.0		0	%	74-122	2	12/01/08 12:36	JC	4800284

Joann Marroquin
Project Manager

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 157S **Collected:** 11/19/2008 14:25 **SPL Sample ID:** 08111004-04

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, DISSOLVED					**MCL**	**SW6010B Units: mg/L**		
Arsenic	0.0669	J	0.0261	0.1	1	12/01/08 23:38	S_C	4798317
Manganese	6.43		0.0006	0.005	1	12/01/08 23:38	S_C	4798317

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3005A	12/01/2008 13:00	AB1	1.00

METALS BY METHOD 6010B, TOTAL					**MCL**	**SW6010B Units: mg/L**		
Arsenic	0.0665	J	0.0261	0.1	1	12/02/08 3:49	S_C	4798369
Manganese	6.55		0.0006	0.005	1	12/02/08 3:49	S_C	4798369

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	11/25/2008 9:00	AB1	1.00

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 157S **Collected:** 11/19/2008 14:25 **SPL Sample ID:** 08111004-04

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	11/26/08 12:25	JC	4791478
1,1,1-Trichloroethane	ND		0.25	5	1	11/26/08 12:25	JC	4791478
1,1,2-Trichloroethane	ND		0.38	5	1	11/26/08 12:25	JC	4791478
1,1-Dichloroethane	ND		0.28	5	1	11/26/08 12:25	JC	4791478
1,1-Dichloroethene	ND		0.5	5	1	11/26/08 12:25	JC	4791478
1,1-Dichloropropene	ND		0.35	5	1	11/26/08 12:25	JC	4791478
1,2-Dibromoethane	ND		0.31	5	1	11/26/08 12:25	JC	4791478
2-Butanone	ND		3.2	20	1	11/26/08 12:25	JC	4791478
2-Hexanone	ND		0.47	10	1	11/26/08 12:25	JC	4791478
4-Methyl-2-pentanone	ND		0.31	10	1	11/26/08 12:25	JC	4791478
Acetone	ND		4.6	100	1	11/26/08 12:25	JC	4791478
Benzene	ND		0.35	5	1	11/26/08 12:25	JC	4791478
Bromodichloromethane	ND		0.25	5	1	11/26/08 12:25	JC	4791478
Bromoform	ND		0.5	5	1	11/26/08 12:25	JC	4791478
Bromomethane	ND		0.78	10	1	11/26/08 12:25	JC	4791478
Carbon disulfide	ND		0.25	5	1	11/26/08 12:25	JC	4791478
Carbon tetrachloride	ND		0.25	5	1	11/26/08 12:25	JC	4791478
Chlorobenzene	ND		0.3	5	1	11/26/08 12:25	JC	4791478
Chloroethane	ND		0.31	10	1	11/26/08 12:25	JC	4791478
Chloroform	ND		0.24	5	1	11/26/08 12:25	JC	4791478
Chloromethane	ND		0.3	10	1	11/26/08 12:25	JC	4791478
Dibromochloromethane	ND		0.36	5	1	11/26/08 12:25	JC	4791478
Dibromomethane	ND		0.3	5	1	11/26/08 12:25	JC	4791478
Ethylbenzene	250		0.67	10	2	12/01/08 13:06	JC	4800285
Methylene chloride	ND		0.67	5	1	11/26/08 12:25	JC	4791478
Styrene	ND		0.7	5	1	11/26/08 12:25	JC	4791478
Tetrachloroethene	ND		0.49	5	1	11/26/08 12:25	JC	4791478
Toluene	21		0.25	5	1	11/26/08 12:25	JC	4791478
Trichloroethene	ND		0.25	5	1	11/26/08 12:25	JC	4791478
Vinyl acetate	ND		0.57	10	1	11/26/08 12:25	JC	4791478
Vinyl chloride	ND		0.25	2	1	11/26/08 12:25	JC	4791478
cis-1,2-Dichloroethene	7		0.48	5	1	11/26/08 12:25	JC	4791478
cis-1,3-Dichloropropene	ND		0.26	5	1	11/26/08 12:25	JC	4791478
m,p-Xylene	230		0.3	1	1	11/26/08 12:25	JC	4791478
o-Xylene	43		0.31	1	1	11/26/08 12:25	JC	4791478
trans-1,2-Dichloroethene	ND		0.35	5	1	11/26/08 12:25	JC	4791478
trans-1,3-Dichloropropene	ND		0.31	5	1	11/26/08 12:25	JC	4791478
Xylenes,Total	273		0.299	1	1	11/26/08 12:25	JC	4791478
Surr: 1,2-Dichloroethane-d4	102		0	% 62-130	1	11/26/08 12:25	JC	4791478

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 157S **Collected:** 11/19/2008 14:25 **SPL Sample ID:** 08111004-04

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 1,2-Dichloroethane-d4	100		0	%	62-130	2	12/01/08 13:06	JC	4800285
Surr: 4-Bromofluorobenzene	108		0	%	70-130	1	11/26/08 12:25	JC	4791478
Surr: 4-Bromofluorobenzene	100		0	%	70-130	2	12/01/08 13:06	JC	4800285
Surr: Toluene-d8	96.0		0	%	74-122	1	11/26/08 12:25	JC	4791478
Surr: Toluene-d8	95.0		0	%	74-122	2	12/01/08 13:06	JC	4800285

Joann Marroquin
Project Manager

Qualifiers:
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E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 205R **Collected:** 11/19/2008 13:30 **SPL Sample ID:** 08111004-05

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B Units: mg/L**			
Arsenic	ND		0.0261	0.1	1	12/02/08 3:53	S_C	4798370
Manganese	0.916		0.0006	0.005	1	12/02/08 3:53	S_C	4798370

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	11/25/2008 9:00	AB1	1.00

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 205R **Collected:** 11/19/2008 13:30 **SPL Sample ID:** 08111004-05

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	11/26/08 12:55	JC	4791479
1,1,1-Trichloroethane	ND		0.25	5	1	11/26/08 12:55	JC	4791479
1,1,2-Trichloroethane	ND		0.38	5	1	11/26/08 12:55	JC	4791479
1,1-Dichloroethane	ND		0.28	5	1	11/26/08 12:55	JC	4791479
1,1-Dichloroethene	ND		0.5	5	1	11/26/08 12:55	JC	4791479
1,1-Dichloropropene	ND		0.35	5	1	11/26/08 12:55	JC	4791479
1,2-Dibromoethane	ND		0.31	5	1	11/26/08 12:55	JC	4791479
2-Butanone	ND		3.2	20	1	11/26/08 12:55	JC	4791479
2-Hexanone	ND		0.47	10	1	11/26/08 12:55	JC	4791479
4-Methyl-2-pentanone	4000		16	500	50	12/01/08 13:35	JC	4800286
Acetone	23	J	4.6	100	1	11/26/08 12:55	JC	4791479
Benzene	430		17	250	50	12/01/08 13:35	JC	4800286
Bromodichloromethane	ND		0.25	5	1	11/26/08 12:55	JC	4791479
Bromoform	ND		0.5	5	1	11/26/08 12:55	JC	4791479
Bromomethane	ND		0.78	10	1	11/26/08 12:55	JC	4791479
Carbon disulfide	ND		0.25	5	1	11/26/08 12:55	JC	4791479
Carbon tetrachloride	ND		0.25	5	1	11/26/08 12:55	JC	4791479
Chlorobenzene	ND		0.3	5	1	11/26/08 12:55	JC	4791479
Chloroethane	ND		0.31	10	1	11/26/08 12:55	JC	4791479
Chloroform	ND		0.24	5	1	11/26/08 12:55	JC	4791479
Chloromethane	ND		0.3	10	1	11/26/08 12:55	JC	4791479
Dibromochloromethane	ND		0.36	5	1	11/26/08 12:55	JC	4791479
Dibromomethane	ND		0.3	5	1	11/26/08 12:55	JC	4791479
Ethylbenzene	94		0.34	5	1	11/26/08 12:55	JC	4791479
Methylene chloride	ND		0.67	5	1	11/26/08 12:55	JC	4791479
Styrene	ND		0.7	5	1	11/26/08 12:55	JC	4791479
Tetrachloroethene	ND		0.49	5	1	11/26/08 12:55	JC	4791479
Toluene	57		0.25	5	1	11/26/08 12:55	JC	4791479
Trichloroethene	3	J	0.25	5	1	11/26/08 12:55	JC	4791479
Vinyl acetate	ND		0.57	10	1	11/26/08 12:55	JC	4791479
Vinyl chloride	0.8	J	0.25	2	1	11/26/08 12:55	JC	4791479
cis-1,2-Dichloroethene	200		0.48	5	1	11/26/08 12:55	JC	4791479
cis-1,3-Dichloropropene	ND		0.26	5	1	11/26/08 12:55	JC	4791479
m,p-Xylene	160		0.3	1	1	11/26/08 12:55	JC	4791479
o-Xylene	45		0.31	1	1	11/26/08 12:55	JC	4791479
trans-1,2-Dichloroethene	10		0.35	5	1	11/26/08 12:55	JC	4791479
trans-1,3-Dichloropropene	ND		0.31	5	1	11/26/08 12:55	JC	4791479
Xylenes,Total	205		0.299	1	1	11/26/08 12:55	JC	4791479
Surr: 1,2-Dichloroethane-d4	102		0 %	62-130	1	11/26/08 12:55	JC	4791479

Joann Marroquin
Project Manager

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 205R **Collected:** 11/19/2008 13:30 **SPL Sample ID:** 08111004-05

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 1,2-Dichloroethane-d4	100		0	%	62-130	50	12/01/08 13:35	JC	4800286
Surr: 4-Bromofluorobenzene	108		0	%	70-130	1	11/26/08 12:55	JC	4791479
Surr: 4-Bromofluorobenzene	104		0	%	70-130	50	12/01/08 13:35	JC	4800286
Surr: Toluene-d8	100		0	%	74-122	50	12/01/08 13:35	JC	4800286
Surr: Toluene-d8	104		0	%	74-122	1	11/26/08 12:55	JC	4791479

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
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E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
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TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 106R **Collected:** 11/19/2008 11:00 **SPL Sample ID:** 08111004-06

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B Units: mg/L**			
Arsenic	ND		0.0261	0.1	1	12/02/08 3:58	S_C	4798371
Manganese	0.0432		0.0006	0.005	1	12/02/08 3:58	S_C	4798371

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	11/25/2008 9:00	AB1	1.00

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 106R **Collected:** 11/19/2008 11:00 **SPL Sample ID:** 08111004-06

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	12/01/08 14:04	JC	4800287
1,1,1-Trichloroethane	ND		0.25	5	1	12/01/08 14:04	JC	4800287
1,1,2-Trichloroethane	ND		0.38	5	1	12/01/08 14:04	JC	4800287
1,1-Dichloroethane	ND		0.28	5	1	12/01/08 14:04	JC	4800287
1,1-Dichloroethene	ND		0.5	5	1	12/01/08 14:04	JC	4800287
1,1-Dichloropropene	ND		0.35	5	1	12/01/08 14:04	JC	4800287
1,2-Dibromoethane	ND		0.31	5	1	12/01/08 14:04	JC	4800287
2-Butanone	ND		3.2	20	1	12/01/08 14:04	JC	4800287
2-Hexanone	ND		0.47	10	1	12/01/08 14:04	JC	4800287
4-Methyl-2-pentanone	ND		0.31	10	1	12/01/08 14:04	JC	4800287
Acetone	ND		4.6	100	1	12/01/08 14:04	JC	4800287
Benzene	11		0.35	5	1	12/01/08 14:04	JC	4800287
Bromodichloromethane	ND		0.25	5	1	12/01/08 14:04	JC	4800287
Bromoform	ND		0.5	5	1	12/01/08 14:04	JC	4800287
Bromomethane	ND		0.78	10	1	12/01/08 14:04	JC	4800287
Carbon disulfide	ND		0.25	5	1	12/01/08 14:04	JC	4800287
Carbon tetrachloride	ND		0.25	5	1	12/01/08 14:04	JC	4800287
Chlorobenzene	ND		0.3	5	1	12/01/08 14:04	JC	4800287
Chloroethane	ND		0.31	10	1	12/01/08 14:04	JC	4800287
Chloroform	ND		0.24	5	1	12/01/08 14:04	JC	4800287
Chloromethane	ND		0.3	10	1	12/01/08 14:04	JC	4800287
Dibromochloromethane	ND		0.36	5	1	12/01/08 14:04	JC	4800287
Dibromomethane	ND		0.3	5	1	12/01/08 14:04	JC	4800287
Ethylbenzene	ND		0.34	5	1	12/01/08 14:04	JC	4800287
Methylene chloride	ND		0.67	5	1	12/01/08 14:04	JC	4800287
Styrene	ND		0.7	5	1	12/01/08 14:04	JC	4800287
Tetrachloroethene	ND		0.49	5	1	12/01/08 14:04	JC	4800287
Toluene	ND		0.25	5	1	12/01/08 14:04	JC	4800287
Trichloroethene	1	J	0.25	5	1	12/01/08 14:04	JC	4800287
Vinyl acetate	ND		0.57	10	1	12/01/08 14:04	JC	4800287
Vinyl chloride	ND		0.25	2	1	12/01/08 14:04	JC	4800287
cis-1,2-Dichloroethene	1	J	0.48	5	1	12/01/08 14:04	JC	4800287
cis-1,3-Dichloropropene	ND		0.26	5	1	12/01/08 14:04	JC	4800287
m,p-Xylene	ND		0.3	1	1	12/01/08 14:04	JC	4800287
o-Xylene	ND		0.31	1	1	12/01/08 14:04	JC	4800287
trans-1,2-Dichloroethene	ND		0.35	5	1	12/01/08 14:04	JC	4800287
trans-1,3-Dichloropropene	ND		0.31	5	1	12/01/08 14:04	JC	4800287
Xylenes,Total	ND		0.3	1	1	12/01/08 14:04	JC	4800287
Surr: 1,2-Dichloroethane-d4	98.0		0	% 62-130	1	12/01/08 14:04	JC	4800287

Joann Marroquin
Project Manager

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 106R **Collected:** 11/19/2008 11:00 **SPL Sample ID:** 08111004-06

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 4-Bromofluorobenzene	102		0	%	70-130	1	12/01/08 14:04	JC	4800287
Surr: Toluene-d8	94.0		0	%	74-122	1	12/01/08 14:04	JC	4800287

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 50S **Collected:** 11/19/2008 15:15 **SPL Sample ID:** 08111004-07

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B Units: mg/L**			
Arsenic	0.471		0.0261	0.1	1	12/02/08 4:03	S_C	4798372
Manganese	6.21		0.0006	0.005	1	12/02/08 4:03	S_C	4798372

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	11/25/2008 9:00	AB1	1.00

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 50S **Collected:** 11/19/2008 15:15 **SPL Sample ID:** 08111004-07

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	11/26/08 13:53	JC	4791480
1,1,1-Trichloroethane	ND		0.25	5	1	11/26/08 13:53	JC	4791480
1,1,2-Trichloroethane	ND		0.38	5	1	11/26/08 13:53	JC	4791480
1,1-Dichloroethane	ND		0.28	5	1	11/26/08 13:53	JC	4791480
1,1-Dichloroethene	ND		0.5	5	1	11/26/08 13:53	JC	4791480
1,1-Dichloropropene	ND		0.35	5	1	11/26/08 13:53	JC	4791480
1,2-Dibromoethane	ND		0.31	5	1	11/26/08 13:53	JC	4791480
2-Butanone	ND		3.2	20	1	11/26/08 13:53	JC	4791480
2-Hexanone	ND		0.47	10	1	11/26/08 13:53	JC	4791480
4-Methyl-2-pentanone	ND		0.31	10	1	11/26/08 13:53	JC	4791480
Acetone	ND		4.6	100	1	11/26/08 13:53	JC	4791480
Benzene	ND		0.35	5	1	11/26/08 13:53	JC	4791480
Bromodichloromethane	ND		0.25	5	1	11/26/08 13:53	JC	4791480
Bromoform	ND		0.5	5	1	11/26/08 13:53	JC	4791480
Bromomethane	ND		0.78	10	1	11/26/08 13:53	JC	4791480
Carbon disulfide	ND		0.25	5	1	11/26/08 13:53	JC	4791480
Carbon tetrachloride	ND		0.25	5	1	11/26/08 13:53	JC	4791480
Chlorobenzene	ND		0.3	5	1	11/26/08 13:53	JC	4791480
Chloroethane	ND		0.31	10	1	11/26/08 13:53	JC	4791480
Chloroform	ND		0.24	5	1	11/26/08 13:53	JC	4791480
Chloromethane	ND		0.3	10	1	11/26/08 13:53	JC	4791480
Dibromochloromethane	ND		0.36	5	1	11/26/08 13:53	JC	4791480
Dibromomethane	ND		0.3	5	1	11/26/08 13:53	JC	4791480
Ethylbenzene	4	J	0.34	5	1	11/26/08 13:53	JC	4791480
Methylene chloride	ND		0.67	5	1	11/26/08 13:53	JC	4791480
Styrene	ND		0.7	5	1	11/26/08 13:53	JC	4791480
Tetrachloroethene	ND		0.49	5	1	11/26/08 13:53	JC	4791480
Toluene	ND		0.25	5	1	11/26/08 13:53	JC	4791480
Trichloroethene	ND		0.25	5	1	11/26/08 13:53	JC	4791480
Vinyl acetate	ND		0.57	10	1	11/26/08 13:53	JC	4791480
Vinyl chloride	ND		0.25	2	1	11/26/08 13:53	JC	4791480
cis-1,2-Dichloroethene	ND		0.48	5	1	11/26/08 13:53	JC	4791480
cis-1,3-Dichloropropene	ND		0.26	5	1	11/26/08 13:53	JC	4791480
m,p-Xylene	ND		0.3	1	1	11/26/08 13:53	JC	4791480
o-Xylene	ND		0.31	1	1	11/26/08 13:53	JC	4791480
trans-1,2-Dichloroethene	ND		0.35	5	1	11/26/08 13:53	JC	4791480
trans-1,3-Dichloropropene	ND		0.31	5	1	11/26/08 13:53	JC	4791480
Xylenes,Total	ND		0.3	1	1	11/26/08 13:53	JC	4791480
Surr: 1,2-Dichloroethane-d4	104		0	% 62-130	1	11/26/08 13:53	JC	4791480

Joann Marroquin
Project Manager

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

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Client Sample ID: 50S **Collected:** 11/19/2008 15:15 **SPL Sample ID:** 08111004-07

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 4-Bromofluorobenzene	106		0	%	70-130	1	11/26/08 13:53	JC	4791480
Surr: Toluene-d8	96.0		0	%	74-122	1	11/26/08 13:53	JC	4791480

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
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TNTC - Too numerous to count

Quality Control Documentation

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Metals by Method 6010B, Total** **WorkOrder:** **08111004**
Method: **SW6010B** **Lab Batch ID:** **85852**

Method Blank

RunID: TJA_081201A-4798357 Units: mg/L
Analysis Date: 12/02/2008 2:52 Analyst: S_C
Preparation Date: 11/25/2008 9:00 Prep By: AB1 Method SW3010A

Analyte	Result	Qual	Rep Limit	MDL
Arsenic	ND		0.1	0.0261
Manganese	0.00139	J	0.005	0.0006

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08111004-02B	65R
08111004-03B	57S
08111004-04B	157S
08111004-05B	205R
08111004-06B	106R
08111004-07B	50S

Laboratory Control Sample (LCS)

RunID: TJA_081201A-4798358 Units: mg/L
Analysis Date: 12/02/2008 2:57 Analyst: S_C
Preparation Date: 11/25/2008 9:00 Prep By: AB1 Method SW3010A

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
Arsenic	1.000	0.9924	99.24		80	120
Manganese	1.000	1.063	106.3		80	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08111130-06
RunID: TJA_081201A-4798360 Units: mg/L
Analysis Date: 12/02/2008 3:06 Analyst: S_C
Preparation Date: 11/25/2008 9:00 Prep By: AB1 Method SW3010A

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
Arsenic	ND		1	1.033	103.3		1	1.102	110.2		6.488		20	75	125
Manganese	1.827	B	1	2.846	101.9		1	2.992	116.5		5.006		20	75	125

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Metals by Method 6010B, Dissolved** **WorkOrder:** **08111004**
Method: **SW6010B** **Lab Batch ID:** **85983**

Method Blank

RunID: TJA_081201A-4798298 Units: mg/L
Analysis Date: 12/01/2008 22:09 Analyst: S_C
Preparation Date: 12/01/2008 13:00 Prep By: AB1 Method SW3005A

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08111004-03C	57S
08111004-04C	157S

Analyte	Result	Qual	Rep Limit	MDL
Arsenic	ND		0.1	0.0261
Manganese	ND		0.005	0.0006

Laboratory Control Sample (LCS)

RunID: TJA_081201A-4798299 Units: mg/L
Analysis Date: 12/01/2008 22:14 Analyst: S_C
Preparation Date: 12/01/2008 13:00 Prep By: AB1 Method SW3005A

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
Arsenic	1.000	0.9507	95.07		80	120
Manganese	1.000	1.013	101.3		80	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08110968-02
RunID: TJA_081201A-4798302 Units: mg/L
Analysis Date: 12/01/2008 22:28 Analyst: S_C
Preparation Date: 12/01/2008 13:00 Prep By: AB1 Method SW3005A

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
Arsenic	ND		1	1.038	103.8		1	1.007	100.7		3.109		20	75	125
Manganese	0.0006700	J	1	1.031	103.0		1	1.034	103.3		0.2945		20	75	125

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08111004**
Method: **SW8260B** **Lab Batch ID:** **R258279**

Method Blank

RunID: Q_081126A-4791472 Units: ug/L
Analysis Date: 11/26/2008 9:27 Analyst: JC
Preparation Date: 11/26/2008 9:27 Prep By: Method

Analyte	Result	Qual	Rep Limit	MDL
1,1,1,2-Tetrachloroethane	ND		5.0	0.42
1,1,1-Trichloroethane	ND		5.0	0.25
1,1,2-Trichloroethane	ND		5.0	0.38
1,1-Dichloroethane	ND		5.0	0.28
1,1-Dichloroethene	ND		5.0	0.5
1,1-Dichloropropene	ND		5.0	0.35
1,2-Dibromoethane	ND		5.0	0.31
2-Butanone	ND		20	3.2
2-Hexanone	ND		10	0.47
4-Methyl-2-pentanone	ND		10	0.31
Acetone	ND		100	4.6
Benzene	ND		5.0	0.35
Bromodichloromethane	ND		5.0	0.25
Bromoform	ND		5.0	0.5
Bromomethane	ND		10	0.78
Carbon disulfide	ND		5.0	0.25
Carbon tetrachloride	ND		5.0	0.25
Chlorobenzene	ND		5.0	0.3
Chloroethane	ND		10	0.31
Chloroform	ND		5.0	0.24
Chloromethane	ND		10	0.3
Dibromochloromethane	ND		5.0	0.36
Dibromomethane	ND		5.0	0.3
Ethylbenzene	ND		5.0	0.34
Methylene chloride	ND		5.0	0.67
Styrene	ND		5.0	0.7
Tetrachloroethene	ND		5.0	0.49
Toluene	ND		5.0	0.25
Trichloroethene	ND		5.0	0.25
Vinyl acetate	ND		10	0.57
Vinyl chloride	ND		2.0	0.25
cis-1,2-Dichloroethene	ND		5.0	0.48
cis-1,3-Dichloropropene	ND		5.0	0.26
m,p-Xylene	ND		1.0	0.3
o-Xylene	ND		1.0	0.31
trans-1,2-Dichloroethene	ND		5.0	0.35
trans-1,3-Dichloropropene	ND		5.0	0.31
Xylenes,Total	ND		1.0	0.3
Surr: 1,2-Dichloroethane-d4	104.0		62-130	0
Surr: 4-Bromofluorobenzene	106.0		70-130	0
Surr: Toluene-d8	104.0		74-122	0

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08111004-01A	Trip Blank
08111004-02A	65R
08111004-03A	57S
08111004-04A	157S
08111004-05A	205R
08111004-07A	50S

Laboratory Control Sample (LCS)

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08111004**
Method: **SW8260B** **Lab Batch ID:** **R258279**

RunID: Q_081126A-4791471 Units: ug/L
Analysis Date: 11/26/2008 8:57 Analyst: JC
Preparation Date: 11/26/2008 8:57 Prep By: Method

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
1,1,1,2-Tetrachloroethane	20.0	16.0	80.0		71	136
1,1,1-Trichloroethane	20.0	18.0	90.0		66	132
1,1,2-Trichloroethane	20.0	19.0	95.0		70	130
1,1-Dichloroethane	20.0	18.0	90.0		67	131
1,1-Dichloroethene	20.0	18.0	90.0		71	146
1,1-Dichloropropene	20.0	18.0	90.0		59	138
1,2-Dibromoethane	20.0	18.0	90.0		63	126
2-Butanone	120	200	167		20	235
2-Hexanone	20.0	36.0	180		34	182
4-Methyl-2-pentanone	20.0	25.0	125		11	145
Acetone	200	550	275		13	386
Benzene	20.0	19.0	95.0		76	126
Bromodichloromethane	20.0	18.0	90.0		77	138
Bromoform	20.0	15.0	75.0		55	129
Bromomethane	20.0	19.0	95.0		58	148
Carbon disulfide	20.0	11.0	55.0		46	146
Carbon tetrachloride	20.0	17.0	85.0		66	137
Chlorobenzene	20.0	17.0	85.0		67	136
Chloroethane	20.0	17.0	85.0		50	137
Chloroform	20.0	18.0	90.0		70	135
Chloromethane	20.0	20.0	100		51	140
Dibromochloromethane	20.0	15.0	75.0		69	127
Dibromomethane	20.0	19.0	95.0		74	130
Ethylbenzene	20.0	17.0	85.0		67	122
Methylene chloride	20.0	17.0	85.0		52	143
Styrene	20.0	17.0	85.0		60	139
Tetrachloroethene	20.0	16.0	80.0		26	200
Toluene	20.0	18.0	90.0		70	131
Trichloroethene	20.0	18.0	90.0		64	137
Vinyl acetate	20.0	21.0	105		10	193
Vinyl chloride	20.0	20.0	100		31	147
cis-1,2-Dichloroethene	20.0	18.0	90.0		70	142
cis-1,3-Dichloropropene	20.0	16.0	80.0		61	134
m,p-Xylene	40.0	35.0	87.5		72	150
o-Xylene	20.0	18.0	90.0		78	141

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis:	**Volatile Organics by Method 8260B**	**WorkOrder:**	**08111004**
Method:	**SW8260B**	**Lab Batch ID:**	**R258279**

Laboratory Control Sample (LCS)

RunID:	Q_081126A-4791471	Units:	ug/L
Analysis Date:	11/26/2008 8:57	Analyst:	JC
Preparation Date:	11/26/2008 8:57	Prep By:	Method

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
trans-1,2-Dichloroethene	20.0	18.0	90.0		67	141
trans-1,3-Dichloropropene	20.0	16.0	80.0		56	136
Xylenes,Total	60	53	88		72	150
Surr: 1,2-Dichloroethane-d4	50.0	51	102		62	130
Surr: 4-Bromofluorobenzene	50.0	54	108		70	130
Surr: Toluene-d8	50.0	51	102		74	122

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked:	08111004-03		
RunID:	Q_081126A-4791476	Units:	ug/L
Analysis Date:	11/26/2008 11:26	Analyst:	JC

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
1,1,1,2-Tetrachloroethane	ND		20	18.0	90.0		20	18.0	90.0		0		20	35	175
1,1,1-Trichloroethane	ND		20	18.0	90.0		20	18.0	90.0		0		20	35	175
1,1,2-Trichloroethane	ND		20	18.0	90.0		20	18.0	90.0		0		20	35	175
1,1-Dichloroethane	ND		20	19.0	95.0		20	18.0	90.0		5.41		20	35	175
1,1-Dichloroethene	ND		20	19.0	95.0		20	18.0	90.0		5.41		22	61	145
1,1-Dichloropropene	ND		20	18.0	90.0		20	17.0	85.0		5.71		20	35	175
1,2-Dibromoethane	ND		20	17.0	85.0		20	17.0	85.0		0		20	35	175
2-Butanone	ND		20	27.0	135		20	27.0	135		0		20	10	230
2-Hexanone	ND		20	27.0	135		20	26.0	130		3.77		20	10	250
4-Methyl-2-pentanone	ND		20	22.0	110		20	22.0	110		0		20	10	175
Acetone	ND		100	190	190		100	180	180		5.41		20	10	400
Benzene	ND		20	19.0	95.0		20	19.0	95.0		0		22	76	127
Bromodichloromethane	ND		20	19.0	95.0		20	18.0	90.0		5.41		20	35	175
Bromoform	ND		20	18.0	90.0		20	17.0	85.0		5.71		20	35	175
Bromomethane	ND		20	22.0	110		20	20.0	100		9.52		20	35	175
Carbon disulfide	ND		20	15.0	75.0		20	14.0	70.0		6.90		20	30	225
Carbon tetrachloride	ND		20	19.0	95.0		20	18.0	90.0		5.41		20	35	175

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08111004**
Method: **SW8260B** **Lab Batch ID:** **R258279**

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08111004-03
RunID: Q_081126A-4791476 Units: ug/L
Analysis Date: 11/26/2008 11:26 Analyst: JC

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
Chlorobenzene	ND		20	18.0	90.0		20	18.0	90.0		0		21	70	130
Chloroethane	ND		20	20.0	100		20	19.0	95.0		5.13		20	35	175
Chloroform	ND		20	18.0	90.0		20	18.0	90.0		0		20	35	175
Chloromethane	ND		20	22.0	110		20	21.0	105		4.65		20	35	175
Dibromochloromethane	ND		20	17.0	85.0		20	16.0	80.0		6.06		20	35	175
Dibromomethane	ND		20	19.0	95.0		20	19.0	95.0		0		20	35	175
Ethylbenzene	260	E	20	300	N/C		20	290	N/C		N/C		20	35	175
Methylene chloride	ND		20	19.0	95.0		20	19.0	95.0		0		20	35	175
Styrene	ND		20	7.00	35.0		20	7.00	35.0		0		20	35	175
Tetrachloroethene	ND		20	14.0	70.0		20	14.0	70.0		0		20	30	250
Toluene	20.0		20	38.0	90.0		20	38.0	90.0		0		24	70	131
Trichloroethene	ND		20	19.0	95.0		20	18.0	90.0		5.41		21	60	140
Vinyl acetate	ND		20	17.0	85.0		20	17.0	85.0		0		20	10	250
Vinyl chloride	ND		20	22.0	110		20	22.0	110		0		20	35	175
cis-1,2-Dichloroethene	7.00		20	25.0	90.0		20	24.0	85.0		4.08		20	35	175
cis-1,3-Dichloropropene	ND		20	17.0	85.0		20	17.0	85.0		0		20	35	175
m,p-Xylene	210		40	280	N/C		40	280	N/C		N/C		20	35	175
o-Xylene	40.0		20	62.0	110		20	61.0	105		1.63		20	35	175
trans-1,2-Dichloroethene	ND		20	19.0	95.0		20	18.0	90.0		5.41		20	35	175
trans-1,3-Dichloropropene	ND		20	17.0	85.0		20	17.0	85.0		0		20	35	175
Xylenes,Total	250		60	342	N/C		60	341	N/C		N/C		20	35	175
Surr: 1,2-Dichloroethane-d4	ND		50	50	100		50	51.0	102		1.98		30	62	130
Surr: 4-Bromofluorobenzene	ND		50	54	108		50	54.0	108		0		30	70	130
Surr: Toluene-d8	ND		50	49	98.0		50	49.0	98.0		0		30	74	122

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08111004**
Method: **SW8260B** **Lab Batch ID:** **R258771**

Method Blank

RunID: Q_081201A-4800281 Units: ug/L
Analysis Date: 12/01/2008 11:06 Analyst: JC
Preparation Date: 12/01/2008 11:06 Prep By: Method

Analyte	Result	Qual	Rep Limit	MDL
1,1,1,2-Tetrachloroethane	ND		5.0	0.42
1,1,1-Trichloroethane	ND		5.0	0.25
1,1,2-Trichloroethane	ND		5.0	0.38
1,1-Dichloroethane	ND		5.0	0.28
1,1-Dichloroethene	ND		5.0	0.5
1,1-Dichloropropene	ND		5.0	0.35
1,2-Dibromoethane	ND		5.0	0.31
2-Butanone	ND		20	3.2
2-Hexanone	ND		10	0.47
4-Methyl-2-pentanone	ND		10	0.31
Acetone	ND		100	4.6
Benzene	ND		5.0	0.35
Bromodichloromethane	ND		5.0	0.25
Bromoform	ND		5.0	0.5
Bromomethane	ND		10	0.78
Carbon disulfide	ND		5.0	0.25
Carbon tetrachloride	ND		5.0	0.25
Chlorobenzene	ND		5.0	0.3
Chloroethane	ND		10	0.31
Chloroform	ND		5.0	0.24
Chloromethane	ND		10	0.3
Dibromochloromethane	ND		5.0	0.36
Dibromomethane	ND		5.0	0.3
Ethylbenzene	ND		5.0	0.34
Methylene chloride	ND		5.0	0.67
Styrene	ND		5.0	0.7
Tetrachloroethene	ND		5.0	0.49
Toluene	ND		5.0	0.25
Trichloroethene	ND		5.0	0.25
Vinyl acetate	ND		10	0.57
Vinyl chloride	ND		2.0	0.25
cis-1,2-Dichloroethene	ND		5.0	0.48
cis-1,3-Dichloropropene	ND		5.0	0.26
m,p-Xylene	ND		1.0	0.3
o-Xylene	ND		1.0	0.31
trans-1,2-Dichloroethene	ND		5.0	0.35
trans-1,3-Dichloropropene	ND		5.0	0.31
Xylenes,Total	ND		1.0	0.3
Surr: 1,2-Dichloroethane-d4	100.0		62-130	0
Surr: 4-Bromofluorobenzene	106.0		70-130	0
Surr: Toluene-d8	102.0		74-122	0

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08111004-03A	57S
08111004-04A	157S
08111004-05A	205R
08111004-06A	106R

Laboratory Control Sample (LCS)

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
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* - Recovery Outside Advisable QC Limits

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8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08111004**
Method: **SW8260B** **Lab Batch ID:** **R258771**

RunID: Q_081201A-4800280 Units: ug/L
Analysis Date: 12/01/2008 10:36 Analyst: JC
Preparation Date: 12/01/2008 10:36 Prep By: Method

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
1,1,1,2-Tetrachloroethane	20.0	17.0	85.0		71	136
1,1,1-Trichloroethane	20.0	18.0	90.0		66	132
1,1,2-Trichloroethane	20.0	19.0	95.0		70	130
1,1-Dichloroethane	20.0	20.0	100		67	131
1,1-Dichloroethene	20.0	20.0	100		71	146
1,1-Dichloropropene	20.0	18.0	90.0		59	138
1,2-Dibromoethane	20.0	17.0	85.0		63	126
2-Butanone	120	180	150		20	235
2-Hexanone	20.0	31.0	155		34	182
4-Methyl-2-pentanone	20.0	25.0	125		11	145
Acetone	200	480	240		13	386
Benzene	20.0	19.0	95.0		76	126
Bromodichloromethane	20.0	20.0	100		77	138
Bromoform	20.0	16.0	80.0		55	129
Bromomethane	20.0	21.0	105		58	148
Carbon disulfide	20.0	14.0	70.0		46	146
Carbon tetrachloride	20.0	18.0	90.0		66	137
Chlorobenzene	20.0	17.0	85.0		67	136
Chloroethane	20.0	18.0	90.0		50	137
Chloroform	20.0	18.0	90.0		70	135
Chloromethane	20.0	21.0	105		51	140
Dibromochloromethane	20.0	16.0	80.0		69	127
Dibromomethane	20.0	19.0	95.0		74	130
Ethylbenzene	20.0	17.0	85.0		67	122
Methylene chloride	20.0	19.0	95.0		52	143
Styrene	20.0	17.0	85.0		60	139
Tetrachloroethene	20.0	16.0	80.0		26	200
Toluene	20.0	18.0	90.0		70	131
Trichloroethene	20.0	18.0	90.0		64	137
Vinyl acetate	20.0	22.0	110		10	193
Vinyl chloride	20.0	22.0	110		31	147
cis-1,2-Dichloroethene	20.0	18.0	90.0		70	142
cis-1,3-Dichloropropene	20.0	16.0	80.0		61	134
m,p-Xylene	40.0	35.0	87.5		72	150
o-Xylene	20.0	18.0	90.0		78	141

Qualifiers:
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J - Estimated value between MDL and PQL
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis:	**Volatile Organics by Method 8260B**	**WorkOrder:**	**08111004**
Method:	**SW8260B**	**Lab Batch ID:**	**R258771**

Laboratory Control Sample (LCS)

RunID:	Q_081201A-4800280	Units:	ug/L
Analysis Date:	12/01/2008 10:36	Analyst:	JC
Preparation Date:	12/01/2008 10:36	Prep By:	Method

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
trans-1,2-Dichloroethene	20.0	19.0	95.0		67	141
trans-1,3-Dichloropropene	20.0	16.0	80.0		56	136
Xylenes,Total	60	53	88		72	150
Surr: 1,2-Dichloroethane-d4	50.0	50	100		62	130
Surr: 4-Bromofluorobenzene	50.0	53	106		70	130
Surr: Toluene-d8	50.0	50	100		74	122

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked:	08111111-05		
RunID:	Q_081201A-4800293	Units:	ug/L
Analysis Date:	12/01/2008 17:28	Analyst:	JC

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
1,1,1,2-Tetrachloroethane	ND		200	170	85.0		200	170	85.0		0		20	35	175
1,1,1-Trichloroethane	ND		200	180	90.0		200	190	95.0		5.41		20	35	175
1,1,2-Trichloroethane	ND		200	170	85.0		200	170	85.0		0		20	35	175
1,1-Dichloroethane	ND		200	200	100		200	200	100		0		20	35	175
1,1-Dichloroethene	ND		200	200	100		200	200	100		0		22	61	145
1,1-Dichloropropene	ND		200	180	90.0		200	180	90.0		0		20	35	175
1,2-Dibromoethane	ND		200	170	85.0		200	170	85.0		0		20	35	175
2-Butanone	ND		200	250	125		200	250	125		0		20	10	230
2-Hexanone	ND		200	230	115		200	230	115		0		20	10	250
4-Methyl-2-pentanone	ND		200	210	105		200	200	100		4.88		20	10	175
Acetone	ND		1000	1800	180		1000	1700	170		5.71		20	10	400
Benzene	ND		200	190	95.0		200	190	95.0		0		22	76	127
Bromodichloromethane	ND		200	190	95.0		200	190	95.0		0		20	35	175
Bromoform	ND		200	170	85.0		200	170	85.0		0		20	35	175
Bromomethane	ND		200	220	110		200	220	110		0		20	35	175
Carbon disulfide	ND		200	160	80.0		200	160	80.0		0		20	30	225
Carbon tetrachloride	ND		200	190	95.0		200	190	95.0		0		20	35	175

Qualifiers:
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E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
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N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

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8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08111004**
Method: **SW8260B** **Lab Batch ID:** **R258771**

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08111111-05
RunID: Q_081201A-4800293 Units: ug/L
Analysis Date: 12/01/2008 17:28 Analyst: JC

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
Chlorobenzene	ND		200	170	85.0		200	170	85.0		0		21	70	130
Chloroethane	ND		200	200	100		200	200	100		0		20	35	175
Chloroform	ND		200	180	90.0		200	180	90.0		0		20	35	175
Chloromethane	ND		200	210	105		200	220	110		4.65		20	35	175
Dibromochloromethane	ND		200	160	80.0		200	160	80.0		0		20	35	175
Dibromomethane	ND		200	190	95.0		200	190	95.0		0		20	35	175
Ethylbenzene	ND		200	170	85.0		200	170	85.0		0		20	35	175
Methylene chloride	ND		200	190	95.0		200	190	95.0		0		20	35	175
Styrene	ND		200	170	85.0		200	170	85.0		0		20	35	175
Tetrachloroethene	1100		200	1200	N/C		200	1200	N/C		N/C		20	30	250
Toluene	ND		200	170	85.0		200	170	85.0		0		24	70	131
Trichloroethene	250		200	450	100		200	440	95.0		2.25		21	60	140
Vinyl acetate	ND		200	200	100		200	200	100		0		20	10	250
Vinyl chloride	ND		200	240	120		200	240	120		0		20	35	175
cis-1,2-Dichloroethene	150		200	330	90.0		200	340	95.0		2.99		20	35	175
cis-1,3-Dichloropropene	ND		200	170	85.0		200	170	85.0		0		20	35	175
m,p-Xylene	ND		400	350	87.5		400	340	85.0		2.90		20	35	175
o-Xylene	ND		200	180	90.0		200	180	90.0		0		20	35	175
trans-1,2-Dichloroethene	ND		200	190	95.0		200	190	95.0		0		20	35	175
trans-1,3-Dichloropropene	ND		200	170	85.0		200	170	85.0		0		20	35	175
Xylenes,Total	ND		600	530	88		600	520	87		1.9		20	35	175
Surr: 1,2-Dichloroethane-d4	ND		500	490	98.0		500	480	96.0		2.06		30	62	130
Surr: 4-Bromofluorobenzene	ND		500	540	108		500	530	106		1.87		30	70	130
Surr: Toluene-d8	ND		500	490	98.0		500	490	98.0		0		30	74	122

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
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Sample Receipt Checklist

And

Chain of Custody

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Sample Receipt Checklist

Workorder:	**08111004**	Received By:	**L_C**
Date and Time Received:	**11/20/2008 10:00:00 AM**	Carrier name:	**Fedex-Priority**
Temperature:	**2.0°C**	Chilled by:	**Water Ice**

1.	**Shipping container/cooler in good condition?**	Yes ☑	No ☐	Not Present ☐
2.	**Custody seals intact on shippping container/cooler?**	Yes ☑	No ☐	Not Present ☐
3.	**Custody seals intact on sample bottles?**	Yes ☐	No ☐	Not Present ☑
4.	**Chain of custody present?**	Yes ☑	No ☐	
5.	**Chain of custody signed when relinquished and received?**	Yes ☑	No ☐	
6.	**Chain of custody agrees with sample labels?**	Yes ☑	No ☐	
7.	**Samples in proper container/bottle?**	Yes ☑	No ☐	
8.	**Sample containers intact?**	Yes ☑	No ☐	
9.	**Sufficient sample volume for indicated test?**	Yes ☑	No ☐	
10.	**All samples received within holding time?**	Yes ☑	No ☐	
11.	**Container/Temp Blank temperature in compliance?**	Yes ☑	No ☐	
12.	**Water - VOA vials have zero headspace?**	Yes ☑	No ☐	VOA Vials Not Present ☐
13.	**Water - Preservation checked upon receipt (except VOA*)?**	Yes ☑	No ☐	Not Applicable ☐

***VOA Preservation Checked After Sample Analysis**

SPL Representative: _____ **Contact Date & Time:** _____

Client Name Contacted: _____

Non Conformance Issues: _____

Client Instructions: _____

SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No. 08111004 | 312501 | page 1 of 1

Client Name: Arcadis
Address: 2 Executive Dr # 303 Chelmsford MA 01824
Phone/Fax: 9789379999
Client Contact: Debra Stake Email:
Project Name/No.: MIA000725000300104
Site Name: Ford
Site Location: Tibbetts Road
Invoice To: Ph:

SAMPLE ID	DATE	TIME	comp	grab	matrix: W=water S=soil O=oil SL=sludge X=other	bottle: P=plastic A=amber glass G=glass V=vial X=other	size: 1=1 liter 4=4oz 40=vial 8=8oz 16=16oz X=other	pres.: 1=HCl 2=HNO3 3=H2SO4 X=other	Number of Containers	VOC 8260b	As/Mn 6010B L2	dissolved As/Mn 6010B L2	Ethane Ethane Methane RSK 147					
TRIP BLANK	/	/			W	V	40	1		X								
65R	11 19 08	1140		X	W	P/V	16/40	1/2		X	X							
57S	11 19 08	1325		X	W	P/V	16/40	1/2		X	X	X						
157S	11 19 08	1425		X	W	P/V	16/40	1/2		X	X	X						
205R	11 19 08	1330		X	W	P/V	16/40	1/2		X	X							
106R	11 19 08	1100		X	W	P/V	16/40	1/2		X	X							
5DS	11 19 08	1515		X	W	P/V	16/40	1/2		X	X							

Client/Consultant Remarks: Enovis Project # E101274

Laboratory remarks:

Intact? ☒ Y ☐ N
Ice? ☒ Y ☐ N
Temp: 2.5°C

Requested TAT
Contract ☐ 72hr ☐
24hr ☐ Standard ☒
48hr ☐
Other ☐ _____

Special Reporting Requirements Results: Fax ☐ Email ☐ PDF ☐
Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐ TX TRRP ☐ LA RECAP ☐

Special Detection Limits (specify):

PM review (initial):

	date	time	
1. Relinquished by Sampler: [signature]	11.19.08	1700	2. Received by:
3. Relinquished by:			4. Received by:
5. Relinquished by:	11/20/08	10:00	6. Received by Laboratory: [signature]

☒ 8880 Interchange Drive
Houston, TX 77054 (713) 660-0901

☐ 500 Ambassador Caffery Parkway
Scott, LA 70583 (337) 237-4775

☐ 459 Hughes Drive
Traverse City, MI 49686 (231) 947-5777

December 10, 2008

Debra Stake
ARCADIS
175 Cabot Street, Suite 400
Lowell, MA US 01854

Enovis project ID: E101274
Project: Tibbetts Rd. sampling
Project number: MA000725
Laboratory: Southern Petroleum Laboratory (SPL) - Houston
Laboratory submittal: 08111096
Sample date: 2008-11-20
Report received by Enovis: 2008-12-09
Initial Data Verification completed by Enovis: 2008-12-10

Data verification for the report specified above was completed using the Ford Motor Company Environmental Laboratory Technical Specification, the Enovis Standard Operating Procedure for the Verification of Environmental Analytical Data and the associated analytical methods as references for evaluating the batch QC, sample data and report content. The EPA National Functional Guidelines for validating organic and inorganic data were used as guidance when addressing out of control QC results and the associated data qualifiers.

7 Water sample(s) and 1 Trip blank were analyzed for GCMS VOC and Metals parameter(s).

Sample/MS/MSD Surrogate Recovery, Blank/LCS Surrogate Recovery, LCS/LCD Recovery, MS/MSD Recovery, MS/MSD RPD, Blank Contamination and Hold Time Exception were reviewed as part of our verification.

Analytical results reported between RDL and MDL are flagged 'J' and considered estimated values.

The following minor QC exceptions or missing information were noted:

GCMS VOC MSD recovery performed on client sample -002 was outside of laboratory control limits biased low for Benzene. Qualification was not required based on this QC outlier. MS/MSD recoveries for cis-1,2-Dichloroethylene were not used to qualify client sample results due to elevated levels of target analyte in the original sample matrix relative to the amount spiked (4X rule).

GCMS VOC MS/MSD RPD's were outside of laboratory control limits for 1,1-Dichloroethylene, 1,1-Dichloropropylene, Carbon disulfide, Carbon tetrachloride, Ethyl benzene, Tetrachloroethylene, Trichloroethylene, m-Xylene, o-Xylene and Total Xylenes. Qualification of client sample results was not required based on these QC outliers.

GCMS VOC Trip blank (client sample -001) had detections between the MDL and RL for Chloroform and Toluene. Client samples -003 and -007 Toluene results should be considered non-detect at the RL and qualified with UB flags.

The definitions of the qualifiers used for this data package are defined in the analytical report. Enovis valid qualifiers are defined in the table below. To view and download a PDF copy of the laboratory's analytical report access the Enovis CLMS at http://enovis-inc.com/enovis53/index.cfm.

Please contact me if you have any questions.

Sincerely,

Jim Tomalia

Project Scientist

Enovis Valid Qualifiers

Valid Qualifiers	Description
<	Less than the reported concentration.
>	Greater than the reported concentration.
B	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was greater than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the reported concentration. For Inorganic methods the sample concentration was greater than the RDL and less than 10x the blank concentration and is considered non-detect at the reported concentration.
E	The analyte / Compound reported exceeds the calibration range and is considered estimated.
EMPC	Estimated Minimum Potential Contamination - Dioxin/Furan analyses only.
J	Indicates an estimated value. This flag is used either when estimating a concentration for a tentatively identified compound or when the data indicates the presence of an analyte / compound but the result is less than the sample Quantitation limit, but greater than zero. The flag is also used in data validation to indicate a reported value should be considered estimated due to associated quality assurance deficiencies.
JH	The sample result is considered estimated and is potentially biased high.
JL	The sample result is considered estimated and is potentially biased low.
NJ	Tentatively identified compound with approximated concentration.
R	Indicates the value is considered to be unusable. (Note: The analyte / compound may or may not be present.)
TNTC	Too Numerous to Count - Asbestos and Microbiological Results.
U	Indicates that the analyte / compound was analyzed for, but not detected.
UB	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was less than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the RDL. For Inorganic methods the sample concentration was less than the RDL and less than 10x the blank concentration and is considered non-detect at the RDL.
UJ	The analyte / compound was not detected above the reported sample Quantitation limit. However, the Quantitation limit is considered to be approximate due to associated quality assurance results and may or may not represent the actual limit of Quantitation to accurately and precisely report the analyte in the sample.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Enovis, Inc.

Certificate of Analysis Number:

08111096

Report To:	**Project Name:** E101274, Tibbetts Road
ARCADIS U.S., Inc.	**Site:** Tibbetts Rd.
Debra Stake	**Site Address:**
2 Executive Dr #303	
Chelmsford	**PO Number:**
MA	**State:** New Hampshire
01824-	**State Cert. No.:** 295301
ph: (978) 937-9999 fax:	**Date Reported:** 12/9/2008

This Report Contains A Total Of 37 Pages

Excluding This Page

And

Chain Of Custody

12/9/2008

Joann Marroquin
Project Manager

Date

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Case Narrative for:

Enovis, Inc.

Certificate of Analysis Number:

08111096

Report To:		**Project Name:**	**E101274, Tibbetts Road**
ARCADIS U.S., Inc.		**Site:**	**Tibbetts Rd.**
Debra Stake		**Site Address:**	
2 Executive Dr #303			
Chelmsford		**PO Number:**	
MA		**State:**	**New Hampshire**
01824-		**State Cert. No.:**	**295301**
ph: (978) 937-9999	**fax:**	**Date Reported:**	**12/9/2008**

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report (" mg\kg-dry " or " ug\kg-dry ").

Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

Your sample ID "1W-4R" (SPL ID:08111096-02) was randomly selected for use in SPL's quality control program for the Volatile Organics analysis by SW846 Method 8260B. The Matrix Spike Duplicate (MSD) recovery was outside of the advisable quality control limits for Benzene (Batch ID:R258409) due to matrix interference. A Laboratory Control Sample (LCS) was analyzed as a quality control check for the analytical batch and all recoveries were within acceptable limits.

Some of the percent recoveries and RPD's on the QC report for the MS/MSD may be different than the calculated recoveries and RPD's using the sample result and the MS/MSD results that appear on the report because, the actual raw result is used to perform the calculations for percent recovery and RPD.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

12/9/2008

Joann Marroquin
Senior Project Manager

Date

Test results meet all requirements of NELAC, unless specified in the narrative.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Enovis, Inc.

Certificate of Analysis Number:

08111096

Report To: ARCADIS U.S., Inc.
Debra Stake
2 Executive Dr #303

Chelmsford
MA
01824-
ph: (978) 937-9999 fax: (978) 937-7555

Fax To:

Project Name: E101274, Tibbetts Road
Site: Tibbetts Rd.
Site Address:

PO Number:
State: New Hampshire
State Cert. No.: 295301
Date Reported: 12/9/2008

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
Trip Blank	08111096-01	Water	11/20/2008 2:00:00 PM	11/21/2008 9:30:00 AM	312500	☐
1W-4R	08111096-02	Water	11/20/2008 2:00:00 PM	11/21/2008 9:30:00 AM	312500	☐
202R	08111096-03	Water	11/20/2008 12:00:00 PM	11/21/2008 9:30:00 AM	312500	☐
59R	08111096-04	Water	11/20/2008 10:15:00 AM	11/21/2008 9:30:00 AM	312500	☐
37D	08111096-05	Water	11/20/2008 10:00:00 AM	11/21/2008 9:30:00 AM	312500	☐
IW-6R	08111096-06	Water	11/20/2008 11:35:00 AM	11/21/2008 9:30:00 AM	312500	☐
69R	08111096-07	Water	11/20/2008 12:50:00 PM	11/21/2008 9:30:00 AM	312500	☐
IW-2R	08111096-08	Water	11/20/2008 3:15:00 PM	11/21/2008 9:30:00 AM	312500	☐

12/9/2008
Date

Joann Marroquin
Senior Project Manager

Richard R. Reed
Laboratory Director

Ted Yen
Quality Assurance Officer

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: Trip Blank **Collected:** 11/20/2008 14:00 **SPL Sample ID:** 08111096-01

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	11/27/08 2:26	JC	4793617
1,1,1-Trichloroethane	ND		0.25	5	1	11/27/08 2:26	JC	4793617
1,1,2-Trichloroethane	ND		0.38	5	1	11/27/08 2:26	JC	4793617
1,1-Dichloroethane	ND		0.28	5	1	11/27/08 2:26	JC	4793617
1,1-Dichloroethene	ND		0.5	5	1	11/27/08 2:26	JC	4793617
1,1-Dichloropropene	ND		0.35	5	1	11/27/08 2:26	JC	4793617
1,2-Dibromoethane	ND		0.31	5	1	11/27/08 2:26	JC	4793617
2-Butanone	ND		3.2	20	1	11/27/08 2:26	JC	4793617
2-Hexanone	ND		0.47	10	1	11/27/08 2:26	JC	4793617
4-Methyl-2-pentanone	ND		0.31	10	1	11/27/08 2:26	JC	4793617
Acetone	ND		4.6	100	1	11/27/08 2:26	JC	4793617
Benzene	ND		0.35	5	1	11/27/08 2:26	JC	4793617
Bromodichloromethane	ND		0.25	5	1	11/27/08 2:26	JC	4793617
Bromoform	ND		0.5	5	1	11/27/08 2:26	JC	4793617
Bromomethane	ND		0.78	10	1	11/27/08 2:26	JC	4793617
Carbon disulfide	ND		0.25	5	1	11/27/08 2:26	JC	4793617
Carbon tetrachloride	ND		0.25	5	1	11/27/08 2:26	JC	4793617
Chlorobenzene	ND		0.3	5	1	11/27/08 2:26	JC	4793617
Chloroethane	ND		0.31	10	1	11/27/08 2:26	JC	4793617
Chloroform	1	J	0.24	5	1	11/27/08 2:26	JC	4793617
Chloromethane	ND		0.3	10	1	11/27/08 2:26	JC	4793617
Dibromochloromethane	ND		0.36	5	1	11/27/08 2:26	JC	4793617
Dibromomethane	ND		0.3	5	1	11/27/08 2:26	JC	4793617
Ethylbenzene	ND		0.34	5	1	11/27/08 2:26	JC	4793617
Methylene chloride	ND		0.67	5	1	11/27/08 2:26	JC	4793617
Styrene	ND		0.7	5	1	11/27/08 2:26	JC	4793617
Tetrachloroethene	ND		0.49	5	1	11/27/08 2:26	JC	4793617
Toluene	1	J	0.25	5	1	11/27/08 2:26	JC	4793617
Trichloroethene	ND		0.25	5	1	11/27/08 2:26	JC	4793617
Vinyl acetate	ND		0.57	10	1	11/27/08 2:26	JC	4793617
Vinyl chloride	ND		0.25	2	1	11/27/08 2:26	JC	4793617
cis-1,2-Dichloroethene	ND		0.48	5	1	11/27/08 2:26	JC	4793617
cis-1,3-Dichloropropene	ND		0.26	5	1	11/27/08 2:26	JC	4793617
m,p-Xylene	ND		0.3	1	1	11/27/08 2:26	JC	4793617
o-Xylene	ND		0.31	1	1	11/27/08 2:26	JC	4793617
trans-1,2-Dichloroethene	ND		0.35	5	1	11/27/08 2:26	JC	4793617
trans-1,3-Dichloropropene	ND		0.31	5	1	11/27/08 2:26	JC	4793617
Xylenes,Total	ND		0.3	1	1	11/27/08 2:26	JC	4793617
Surr: 1,2-Dichloroethane-d4	100		0	% 62-130	1	11/27/08 2:26	JC	4793617

Joann Marroquin
Project Manager

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: Trip Blank **Collected:** 11/20/2008 14:00 **SPL Sample ID:** 08111096-01

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 4-Bromofluorobenzene	106		0	%	70-130	1	11/27/08 2:26	JC	4793617
Surr: Toluene-d8	104		0	%	74-122	1	11/27/08 2:26	JC	4793617

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
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E - Concentrations exceeding Calibration range of Instrument
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TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 1W-4R **Collected:** 11/20/2008 14:00 **SPL Sample ID:** 08111096-02

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL					**MCL**	**SW6010B Units: mg/L**		
Arsenic	ND		0.0261	0.1	1	12/03/08 20:16	S_C	4801969
Manganese	0.582		0.0006	0.005	1	12/03/08 20:16	S_C	4801969

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	11/25/2008 9:00	AB1	1.00

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
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E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 1W-4R **Collected:** 11/20/2008 14:00 **SPL Sample ID:** 08111096-02

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	11/27/08 2:56	JC	4793618
1,1,1-Trichloroethane	ND		0.25	5	1	11/27/08 2:56	JC	4793618
1,1,2-Trichloroethane	ND		0.38	5	1	11/27/08 2:56	JC	4793618
1,1-Dichloroethane	ND		0.28	5	1	11/27/08 2:56	JC	4793618
1,1-Dichloroethene	ND		0.5	5	1	11/27/08 2:56	JC	4793618
1,1-Dichloropropene	ND		0.35	5	1	11/27/08 2:56	JC	4793618
1,2-Dibromoethane	ND		0.31	5	1	11/27/08 2:56	JC	4793618
2-Butanone	ND		3.2	20	1	11/27/08 2:56	JC	4793618
2-Hexanone	ND		0.47	10	1	11/27/08 2:56	JC	4793618
4-Methyl-2-pentanone	62		0.31	10	1	11/27/08 2:56	JC	4793618
Acetone	ND		4.6	100	1	11/27/08 2:56	JC	4793618
Benzene	27		0.35	5	1	11/27/08 2:56	JC	4793618
Bromodichloromethane	ND		0.25	5	1	11/27/08 2:56	JC	4793618
Bromoform	ND		0.5	5	1	11/27/08 2:56	JC	4793618
Bromomethane	ND		0.78	10	1	11/27/08 2:56	JC	4793618
Carbon disulfide	ND		0.25	5	1	11/27/08 2:56	JC	4793618
Carbon tetrachloride	ND		0.25	5	1	11/27/08 2:56	JC	4793618
Chlorobenzene	ND		0.3	5	1	11/27/08 2:56	JC	4793618
Chloroethane	ND		0.31	10	1	11/27/08 2:56	JC	4793618
Chloroform	ND		0.24	5	1	11/27/08 2:56	JC	4793618
Chloromethane	ND		0.3	10	1	11/27/08 2:56	JC	4793618
Dibromochloromethane	ND		0.36	5	1	11/27/08 2:56	JC	4793618
Dibromomethane	ND		0.3	5	1	11/27/08 2:56	JC	4793618
Ethylbenzene	13		0.34	5	1	11/27/08 2:56	JC	4793618
Methylene chloride	ND		0.67	5	1	11/27/08 2:56	JC	4793618
Styrene	ND		0.7	5	1	11/27/08 2:56	JC	4793618
Tetrachloroethene	ND		0.49	5	1	11/27/08 2:56	JC	4793618
Toluene	ND		0.25	5	1	11/27/08 2:56	JC	4793618
Trichloroethene	2	J	0.25	5	1	11/27/08 2:56	JC	4793618
Vinyl acetate	ND		0.57	10	1	11/27/08 2:56	JC	4793618
Vinyl chloride	ND		0.25	2	1	11/27/08 2:56	JC	4793618
cis-1,2-Dichloroethene	170		0.48	5	1	11/27/08 2:56	JC	4793618
cis-1,3-Dichloropropene	ND		0.26	5	1	11/27/08 2:56	JC	4793618
m,p-Xylene	ND		0.3	1	1	11/27/08 2:56	JC	4793618
o-Xylene	ND		0.31	1	1	11/27/08 2:56	JC	4793618
trans-1,2-Dichloroethene	0.9	J	0.35	5	1	11/27/08 2:56	JC	4793618
trans-1,3-Dichloropropene	ND		0.31	5	1	11/27/08 2:56	JC	4793618
Xylenes,Total	ND		0.3	1	1	11/27/08 2:56	JC	4793618
Surr: 1,2-Dichloroethane-d4	102		0	% 62-130	1	11/27/08 2:56	JC	4793618

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 1W-4R **Collected:** 11/20/2008 14:00 **SPL Sample ID:** 08111096-02

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 4-Bromofluorobenzene	106		0	%	70-130	1	11/27/08 2:56	JC	4793618
Surr: Toluene-d8	102		0	%	74-122	1	11/27/08 2:56	JC	4793618

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
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MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 202R **Collected:** 11/20/2008 12:00 **SPL Sample ID:** 08111096-03

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B**	**Units: mg/L**		
Arsenic	ND		0.0261	0.1	1	12/03/08 20:21	S_C	4801970
Manganese	1.84		0.0006	0.005	1	12/03/08 20:21	S_C	4801970

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	11/25/2008 9:00	AB1	1.00

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 202R **Collected:** 11/20/2008 12:00 **SPL Sample ID:** 08111096-03

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	11/27/08 4:24	JC	4793621
1,1,1-Trichloroethane	ND		0.25	5	1	11/27/08 4:24	JC	4793621
1,1,2-Trichloroethane	ND		0.38	5	1	11/27/08 4:24	JC	4793621
1,1-Dichloroethane	ND		0.28	5	1	11/27/08 4:24	JC	4793621
1,1-Dichloroethene	ND		0.5	5	1	11/27/08 4:24	JC	4793621
1,1-Dichloropropene	ND		0.35	5	1	11/27/08 4:24	JC	4793621
1,2-Dibromoethane	ND		0.31	5	1	11/27/08 4:24	JC	4793621
2-Butanone	ND		3.2	20	1	11/27/08 4:24	JC	4793621
2-Hexanone	ND		0.47	10	1	11/27/08 4:24	JC	4793621
4-Methyl-2-pentanone	ND		0.31	10	1	11/27/08 4:24	JC	4793621
Acetone	ND		4.6	100	1	11/27/08 4:24	JC	4793621
Benzene	2	J	0.35	5	1	11/27/08 4:24	JC	4793621
Bromodichloromethane	ND		0.25	5	1	11/27/08 4:24	JC	4793621
Bromoform	ND		0.5	5	1	11/27/08 4:24	JC	4793621
Bromomethane	ND		0.78	10	1	11/27/08 4:24	JC	4793621
Carbon disulfide	ND		0.25	5	1	11/27/08 4:24	JC	4793621
Carbon tetrachloride	ND		0.25	5	1	11/27/08 4:24	JC	4793621
Chlorobenzene	ND		0.3	5	1	11/27/08 4:24	JC	4793621
Chloroethane	ND		0.31	10	1	11/27/08 4:24	JC	4793621
Chloroform	ND		0.24	5	1	11/27/08 4:24	JC	4793621
Chloromethane	ND		0.3	10	1	11/27/08 4:24	JC	4793621
Dibromochloromethane	ND		0.36	5	1	11/27/08 4:24	JC	4793621
Dibromomethane	ND		0.3	5	1	11/27/08 4:24	JC	4793621
Ethylbenzene	ND		0.34	5	1	11/27/08 4:24	JC	4793621
Methylene chloride	ND		0.67	5	1	11/27/08 4:24	JC	4793621
Styrene	ND		0.7	5	1	11/27/08 4:24	JC	4793621
Tetrachloroethene	ND		0.49	5	1	11/27/08 4:24	JC	4793621
Toluene	2	J	0.25	5	1	11/27/08 4:24	JC	4793621
Trichloroethene	ND		0.25	5	1	11/27/08 4:24	JC	4793621
Vinyl acetate	ND		0.57	10	1	11/27/08 4:24	JC	4793621
Vinyl chloride	ND		0.25	2	1	11/27/08 4:24	JC	4793621
cis-1,2-Dichloroethene	35		0.48	5	1	11/27/08 4:24	JC	4793621
cis-1,3-Dichloropropene	ND		0.26	5	1	11/27/08 4:24	JC	4793621
m,p-Xylene	ND		0.3	1	1	11/27/08 4:24	JC	4793621
o-Xylene	ND		0.31	1	1	11/27/08 4:24	JC	4793621
trans-1,2-Dichloroethene	ND		0.35	5	1	11/27/08 4:24	JC	4793621
trans-1,3-Dichloropropene	ND		0.31	5	1	11/27/08 4:24	JC	4793621
Xylenes,Total	ND		0.3	1	1	11/27/08 4:24	JC	4793621
Surr: 1,2-Dichloroethane-d4	102		0	% 62-130	1	11/27/08 4:24	JC	4793621

Joann Marroquin
Project Manager

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 202R **Collected:** 11/20/2008 12:00 **SPL Sample ID:** 08111096-03

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 4-Bromofluorobenzene	106		0	%	70-130	1	11/27/08 4:24	JC	4793621
Surr: Toluene-d8	104		0	%	74-122	1	11/27/08 4:24	JC	4793621

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 59R **Collected:** 11/20/2008 10:15 **SPL Sample ID:** 08111096-04

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B**	**Units: mg/L**		
Arsenic	ND		0.0261	0.1	1	12/03/08 20:25	S_C	4801971
Manganese	0.111		0.0006	0.005	1	12/03/08 20:25	S_C	4801971

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	11/25/2008 9:00	AB1	1.00

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 59R **Collected:** 11/20/2008 10:15 **SPL Sample ID:** 08111096-04

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	11/27/08 4:53	JC	4793622
1,1,1-Trichloroethane	ND		0.25	5	1	11/27/08 4:53	JC	4793622
1,1,2-Trichloroethane	ND		0.38	5	1	11/27/08 4:53	JC	4793622
1,1-Dichloroethane	ND		0.28	5	1	11/27/08 4:53	JC	4793622
1,1-Dichloroethene	ND		0.5	5	1	11/27/08 4:53	JC	4793622
1,1-Dichloropropene	ND		0.35	5	1	11/27/08 4:53	JC	4793622
1,2-Dibromoethane	ND		0.31	5	1	11/27/08 4:53	JC	4793622
2-Butanone	ND		3.2	20	1	11/27/08 4:53	JC	4793622
2-Hexanone	ND		0.47	10	1	11/27/08 4:53	JC	4793622
4-Methyl-2-pentanone	ND		0.31	10	1	11/27/08 4:53	JC	4793622
Acetone	ND		4.6	100	1	11/27/08 4:53	JC	4793622
Benzene	ND		0.35	5	1	11/27/08 4:53	JC	4793622
Bromodichloromethane	ND		0.25	5	1	11/27/08 4:53	JC	4793622
Bromoform	ND		0.5	5	1	11/27/08 4:53	JC	4793622
Bromomethane	ND		0.78	10	1	11/27/08 4:53	JC	4793622
Carbon disulfide	ND		0.25	5	1	11/27/08 4:53	JC	4793622
Carbon tetrachloride	ND		0.25	5	1	11/27/08 4:53	JC	4793622
Chlorobenzene	ND		0.3	5	1	11/27/08 4:53	JC	4793622
Chloroethane	ND		0.31	10	1	11/27/08 4:53	JC	4793622
Chloroform	ND		0.24	5	1	11/27/08 4:53	JC	4793622
Chloromethane	ND		0.3	10	1	11/27/08 4:53	JC	4793622
Dibromochloromethane	ND		0.36	5	1	11/27/08 4:53	JC	4793622
Dibromomethane	ND		0.3	5	1	11/27/08 4:53	JC	4793622
Ethylbenzene	ND		0.34	5	1	11/27/08 4:53	JC	4793622
Methylene chloride	ND		0.67	5	1	11/27/08 4:53	JC	4793622
Styrene	ND		0.7	5	1	11/27/08 4:53	JC	4793622
Tetrachloroethene	ND		0.49	5	1	11/27/08 4:53	JC	4793622
Toluene	ND		0.25	5	1	11/27/08 4:53	JC	4793622
Trichloroethene	ND		0.25	5	1	11/27/08 4:53	JC	4793622
Vinyl acetate	ND		0.57	10	1	11/27/08 4:53	JC	4793622
Vinyl chloride	ND		0.25	2	1	11/27/08 4:53	JC	4793622
cis-1,2-Dichloroethene	ND		0.48	5	1	11/27/08 4:53	JC	4793622
cis-1,3-Dichloropropene	ND		0.26	5	1	11/27/08 4:53	JC	4793622
m,p-Xylene	ND		0.3	1	1	11/27/08 4:53	JC	4793622
o-Xylene	ND		0.31	1	1	11/27/08 4:53	JC	4793622
trans-1,2-Dichloroethene	ND		0.35	5	1	11/27/08 4:53	JC	4793622
trans-1,3-Dichloropropene	ND		0.31	5	1	11/27/08 4:53	JC	4793622
Xylenes,Total	ND		0.3	1	1	11/27/08 4:53	JC	4793622
Surr: 1,2-Dichloroethane-d4	102		0	% 62-130	1	11/27/08 4:53	JC	4793622

Joann Marroquin
Project Manager

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 59R **Collected:** 11/20/2008 10:15 **SPL Sample ID:** 08111096-04

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 4-Bromofluorobenzene	104		0	%	70-130	1	11/27/08 4:53	JC	4793622
Surr: Toluene-d8	90.0		0	%	74-122	1	11/27/08 4:53	JC	4793622

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 37D **Collected:** 11/20/2008 10:00 **SPL Sample ID:** 08111096-05

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL					**MCL**	**SW6010B Units: mg/L**		
Arsenic	0.0806	J	0.0261	0.1	1	12/03/08 20:30	S_C	4801972
Manganese	6.14		0.0006	0.005	1	12/03/08 20:30	S_C	4801972

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	11/25/2008 9:00	AB1	1.00

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 37D **Collected:** 11/20/2008 10:00 **SPL Sample ID:** 08111096-05

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	11/27/08 5:23	JC	4793623
1,1,1-Trichloroethane	ND		0.25	5	1	11/27/08 5:23	JC	4793623
1,1,2-Trichloroethane	ND		0.38	5	1	11/27/08 5:23	JC	4793623
1,1-Dichloroethane	ND		0.28	5	1	11/27/08 5:23	JC	4793623
1,1-Dichloroethene	ND		0.5	5	1	11/27/08 5:23	JC	4793623
1,1-Dichloropropene	ND		0.35	5	1	11/27/08 5:23	JC	4793623
1,2-Dibromoethane	ND		0.31	5	1	11/27/08 5:23	JC	4793623
2-Butanone	ND		3.2	20	1	11/27/08 5:23	JC	4793623
2-Hexanone	ND		0.47	10	1	11/27/08 5:23	JC	4793623
4-Methyl-2-pentanone	ND		0.31	10	1	11/27/08 5:23	JC	4793623
Acetone	ND		4.6	100	1	11/27/08 5:23	JC	4793623
Benzene	ND		0.35	5	1	11/27/08 5:23	JC	4793623
Bromodichloromethane	ND		0.25	5	1	11/27/08 5:23	JC	4793623
Bromoform	ND		0.5	5	1	11/27/08 5:23	JC	4793623
Bromomethane	ND		0.78	10	1	11/27/08 5:23	JC	4793623
Carbon disulfide	ND		0.25	5	1	11/27/08 5:23	JC	4793623
Carbon tetrachloride	ND		0.25	5	1	11/27/08 5:23	JC	4793623
Chlorobenzene	ND		0.3	5	1	11/27/08 5:23	JC	4793623
Chloroethane	ND		0.31	10	1	11/27/08 5:23	JC	4793623
Chloroform	ND		0.24	5	1	11/27/08 5:23	JC	4793623
Chloromethane	ND		0.3	10	1	11/27/08 5:23	JC	4793623
Dibromochloromethane	ND		0.36	5	1	11/27/08 5:23	JC	4793623
Dibromomethane	ND		0.3	5	1	11/27/08 5:23	JC	4793623
Ethylbenzene	ND		0.34	5	1	11/27/08 5:23	JC	4793623
Methylene chloride	ND		0.67	5	1	11/27/08 5:23	JC	4793623
Styrene	ND		0.7	5	1	11/27/08 5:23	JC	4793623
Tetrachloroethene	ND		0.49	5	1	11/27/08 5:23	JC	4793623
Toluene	ND		0.25	5	1	11/27/08 5:23	JC	4793623
Trichloroethene	ND		0.25	5	1	11/27/08 5:23	JC	4793623
Vinyl acetate	ND		0.57	10	1	11/27/08 5:23	JC	4793623
Vinyl chloride	ND		0.25	2	1	11/27/08 5:23	JC	4793623
cis-1,2-Dichloroethene	4	J	0.48	5	1	11/27/08 5:23	JC	4793623
cis-1,3-Dichloropropene	ND		0.26	5	1	11/27/08 5:23	JC	4793623
m,p-Xylene	ND		0.3	1	1	11/27/08 5:23	JC	4793623
o-Xylene	ND		0.31	1	1	11/27/08 5:23	JC	4793623
trans-1,2-Dichloroethene	ND		0.35	5	1	11/27/08 5:23	JC	4793623
trans-1,3-Dichloropropene	ND		0.31	5	1	11/27/08 5:23	JC	4793623
Xylenes,Total	ND		0.3	1	1	11/27/08 5:23	JC	4793623
Surr: 1,2-Dichloroethane-d4	102		0	% 62-130	1	11/27/08 5:23	JC	4793623

Joann Marroquin
Project Manager

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 37D **Collected:** 11/20/2008 10:00 **SPL Sample ID:** 08111096-05

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 4-Bromofluorobenzene	104		0	%	70-130	1	11/27/08 5:23	JC	4793623
Surr: Toluene-d8	94.0		0	%	74-122	1	11/27/08 5:23	JC	4793623

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: IW-6R **Collected:** 11/20/2008 11:35 **SPL Sample ID:** 08111096-06

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B**	**Units: mg/L**		
Arsenic	ND		0.0261	0.1	1	12/03/08 20:35	S_C	4801973
Manganese	5.77		0.0006	0.005	1	12/03/08 20:35	S_C	4801973

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	11/25/2008 9:00	AB1	1.00

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: IW-6R **Collected:** 11/20/2008 11:35 **SPL Sample ID:** 08111096-06

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	11/27/08 5:52	JC	4793624
1,1,1-Trichloroethane	ND		0.25	5	1	11/27/08 5:52	JC	4793624
1,1,2-Trichloroethane	ND		0.38	5	1	11/27/08 5:52	JC	4793624
1,1-Dichloroethane	ND		0.28	5	1	11/27/08 5:52	JC	4793624
1,1-Dichloroethene	ND		0.5	5	1	11/27/08 5:52	JC	4793624
1,1-Dichloropropene	ND		0.35	5	1	11/27/08 5:52	JC	4793624
1,2-Dibromoethane	ND		0.31	5	1	11/27/08 5:52	JC	4793624
2-Butanone	ND		3.2	20	1	11/27/08 5:52	JC	4793624
2-Hexanone	ND		0.47	10	1	11/27/08 5:52	JC	4793624
4-Methyl-2-pentanone	ND		0.31	10	1	11/27/08 5:52	JC	4793624
Acetone	ND		4.6	100	1	11/27/08 5:52	JC	4793624
Benzene	ND		0.35	5	1	11/27/08 5:52	JC	4793624
Bromodichloromethane	ND		0.25	5	1	11/27/08 5:52	JC	4793624
Bromoform	ND		0.5	5	1	11/27/08 5:52	JC	4793624
Bromomethane	ND		0.78	10	1	11/27/08 5:52	JC	4793624
Carbon disulfide	ND		0.25	5	1	11/27/08 5:52	JC	4793624
Carbon tetrachloride	ND		0.25	5	1	11/27/08 5:52	JC	4793624
Chlorobenzene	ND		0.3	5	1	11/27/08 5:52	JC	4793624
Chloroethane	ND		0.31	10	1	11/27/08 5:52	JC	4793624
Chloroform	ND		0.24	5	1	11/27/08 5:52	JC	4793624
Chloromethane	ND		0.3	10	1	11/27/08 5:52	JC	4793624
Dibromochloromethane	ND		0.36	5	1	11/27/08 5:52	JC	4793624
Dibromomethane	ND		0.3	5	1	11/27/08 5:52	JC	4793624
Ethylbenzene	ND		0.34	5	1	11/27/08 5:52	JC	4793624
Methylene chloride	ND		0.67	5	1	11/27/08 5:52	JC	4793624
Styrene	ND		0.7	5	1	11/27/08 5:52	JC	4793624
Tetrachloroethene	0.9	J	0.49	5	1	11/27/08 5:52	JC	4793624
Toluene	ND		0.25	5	1	11/27/08 5:52	JC	4793624
Trichloroethene	1	J	0.25	5	1	11/27/08 5:52	JC	4793624
Vinyl acetate	ND		0.57	10	1	11/27/08 5:52	JC	4793624
Vinyl chloride	ND		0.25	2	1	11/27/08 5:52	JC	4793624
cis-1,2-Dichloroethene	36		0.48	5	1	11/27/08 5:52	JC	4793624
cis-1,3-Dichloropropene	ND		0.26	5	1	11/27/08 5:52	JC	4793624
m,p-Xylene	ND		0.3	1	1	11/27/08 5:52	JC	4793624
o-Xylene	ND		0.31	1	1	11/27/08 5:52	JC	4793624
trans-1,2-Dichloroethene	ND		0.35	5	1	11/27/08 5:52	JC	4793624
trans-1,3-Dichloropropene	ND		0.31	5	1	11/27/08 5:52	JC	4793624
Xylenes,Total	ND		0.3	1	1	11/27/08 5:52	JC	4793624
Surr: 1,2-Dichloroethane-d4	102		0	% 62-130	1	11/27/08 5:52	JC	4793624

Joann Marroquin
Project Manager

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: IW-6R **Collected:** 11/20/2008 11:35 **SPL Sample ID:** 08111096-06

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 4-Bromofluorobenzene	106		0	%	70-130	1	11/27/08 5:52	JC	4793624
Surr: Toluene-d8	96.0		0	%	74-122	1	11/27/08 5:52	JC	4793624

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 69R **Collected:** 11/20/2008 12:50 **SPL Sample ID:** 08111096-07

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, DISSOLVED				**MCL**	**SW6010B**	**Units: mg/L**		
Arsenic	0.0988	J	0.0261	0.1	1	12/03/08 14:33	S_C	4801460
Manganese	3.84		0.0006	0.005	1	12/03/08 14:33	S_C	4801460

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3005A	11/26/2008 8:30	AB1	1.00

METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B**	**Units: mg/L**		
Arsenic	0.0939	J	0.0261	0.1	1	12/03/08 20:39	S_C	4801974
Manganese	4.19		0.0006	0.005	1	12/03/08 20:39	S_C	4801974

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	11/25/2008 9:00	AB1	1.00

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 69R **Collected:** 11/20/2008 12:50 **SPL Sample ID:** 08111096-07

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	11/27/08 6:23	JC	4793625
1,1,1-Trichloroethane	ND		0.25	5	1	11/27/08 6:23	JC	4793625
1,1,2-Trichloroethane	ND		0.38	5	1	11/27/08 6:23	JC	4793625
1,1-Dichloroethane	ND		0.28	5	1	11/27/08 6:23	JC	4793625
1,1-Dichloroethene	ND		0.5	5	1	11/27/08 6:23	JC	4793625
1,1-Dichloropropene	ND		0.35	5	1	11/27/08 6:23	JC	4793625
1,2-Dibromoethane	ND		0.31	5	1	11/27/08 6:23	JC	4793625
2-Butanone	ND		3.2	20	1	11/27/08 6:23	JC	4793625
2-Hexanone	ND		0.47	10	1	11/27/08 6:23	JC	4793625
4-Methyl-2-pentanone	ND		0.31	10	1	11/27/08 6:23	JC	4793625
Acetone	ND		4.6	100	1	11/27/08 6:23	JC	4793625
Benzene	610		1.7	25	5	12/01/08 14:33	JC	4800288
Bromodichloromethane	ND		0.25	5	1	11/27/08 6:23	JC	4793625
Bromoform	ND		0.5	5	1	11/27/08 6:23	JC	4793625
Bromomethane	ND		0.78	10	1	11/27/08 6:23	JC	4793625
Carbon disulfide	ND		0.25	5	1	11/27/08 6:23	JC	4793625
Carbon tetrachloride	ND		0.25	5	1	11/27/08 6:23	JC	4793625
Chlorobenzene	ND		0.3	5	1	11/27/08 6:23	JC	4793625
Chloroethane	ND		0.31	10	1	11/27/08 6:23	JC	4793625
Chloroform	ND		0.24	5	1	11/27/08 6:23	JC	4793625
Chloromethane	ND		0.3	10	1	11/27/08 6:23	JC	4793625
Dibromochloromethane	ND		0.36	5	1	11/27/08 6:23	JC	4793625
Dibromomethane	ND		0.3	5	1	11/27/08 6:23	JC	4793625
Ethylbenzene	140		0.34	5	1	11/27/08 6:23	JC	4793625
Methylene chloride	ND		0.67	5	1	11/27/08 6:23	JC	4793625
Styrene	ND		0.7	5	1	11/27/08 6:23	JC	4793625
Tetrachloroethene	ND		0.49	5	1	11/27/08 6:23	JC	4793625
Toluene	2	J	0.25	5	1	11/27/08 6:23	JC	4793625
Trichloroethene	ND		0.25	5	1	11/27/08 6:23	JC	4793625
Vinyl acetate	ND		0.57	10	1	11/27/08 6:23	JC	4793625
Vinyl chloride	ND		0.25	2	1	11/27/08 6:23	JC	4793625
cis-1,2-Dichloroethene	200		2.4	25	5	12/01/08 14:33	JC	4800288
cis-1,3-Dichloropropene	ND		0.26	5	1	11/27/08 6:23	JC	4793625
m,p-Xylene	100		0.3	1	1	11/27/08 6:23	JC	4793625
o-Xylene	44		0.31	1	1	11/27/08 6:23	JC	4793625
trans-1,2-Dichloroethene	3	J	0.35	5	1	11/27/08 6:23	JC	4793625
trans-1,3-Dichloropropene	ND		0.31	5	1	11/27/08 6:23	JC	4793625
Xylenes,Total	144		0.299	1	1	11/27/08 6:23	JC	4793625
Surr: 1,2-Dichloroethane-d4	100		0 %	62-130	1	11/27/08 6:23	JC	4793625

Joann Marroquin
Project Manager

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
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* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 69R **Collected:** 11/20/2008 12:50 **SPL Sample ID:** 08111096-07

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 1,2-Dichloroethane-d4	96.0		0	%	62-130	5	12/01/08 14:33	JC	4800288
Surr: 4-Bromofluorobenzene	108		0	%	70-130	1	11/27/08 6:23	JC	4793625
Surr: 4-Bromofluorobenzene	108		0	%	70-130	5	12/01/08 14:33	JC	4800288
Surr: Toluene-d8	98.0		0	%	74-122	1	11/27/08 6:23	JC	4793625
Surr: Toluene-d8	100		0	%	74-122	5	12/01/08 14:33	JC	4800288

Joann Marroquin
Project Manager

Qualifiers:

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B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
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TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: IW-2R **Collected:** 11/20/2008 15:15 **SPL Sample ID:** 08111096-08

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, DISSOLVED				**MCL**	**SW6010B**	**Units: mg/L**		
Arsenic	ND		0.0261	0.1	1	12/02/08 17:03	S_C	4799870
Manganese	3.69		0.0006	0.005	1	12/02/08 17:03	S_C	4799870

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3005A	11/26/2008 13:00	AB1	1.00

METALS BY METHOD 6010B, TOTAL				MCL	SW6010B	Units: mg/L		
Arsenic	ND		0.0261	0.1	1	12/03/08 20:44	S_C	4801975
Manganese	7.01		0.0006	0.005	1	12/03/08 20:44	S_C	4801975

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	11/25/2008 9:00	AB1	1.00

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
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B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: IW-2R **Collected:** 11/20/2008 15:15 **SPL Sample ID:** 08111096-08

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	11/27/08 6:52	JC	4793626
1,1,1-Trichloroethane	ND		0.25	5	1	11/27/08 6:52	JC	4793626
1,1,2-Trichloroethane	ND		0.38	5	1	11/27/08 6:52	JC	4793626
1,1-Dichloroethane	ND		0.28	5	1	11/27/08 6:52	JC	4793626
1,1-Dichloroethene	ND		0.5	5	1	11/27/08 6:52	JC	4793626
1,1-Dichloropropene	ND		0.35	5	1	11/27/08 6:52	JC	4793626
1,2-Dibromoethane	ND		0.31	5	1	11/27/08 6:52	JC	4793626
2-Butanone	ND		3.2	20	1	11/27/08 6:52	JC	4793626
2-Hexanone	ND		0.47	10	1	11/27/08 6:52	JC	4793626
4-Methyl-2-pentanone	5	J	0.31	10	1	11/27/08 6:52	JC	4793626
Acetone	18	J	4.6	100	1	11/27/08 6:52	JC	4793626
Benzene	330		1.7	25	5	12/01/08 15:03	JC	4800289
Bromodichloromethane	ND		0.25	5	1	11/27/08 6:52	JC	4793626
Bromoform	1	J	0.5	5	1	11/27/08 6:52	JC	4793626
Bromomethane	ND		0.78	10	1	11/27/08 6:52	JC	4793626
Carbon disulfide	ND		0.25	5	1	11/27/08 6:52	JC	4793626
Carbon tetrachloride	ND		0.25	5	1	11/27/08 6:52	JC	4793626
Chlorobenzene	1	J	0.3	5	1	11/27/08 6:52	JC	4793626
Chloroethane	ND		0.31	10	1	11/27/08 6:52	JC	4793626
Chloroform	ND		0.24	5	1	11/27/08 6:52	JC	4793626
Chloromethane	ND		0.3	10	1	11/27/08 6:52	JC	4793626
Dibromochloromethane	ND		0.36	5	1	11/27/08 6:52	JC	4793626
Dibromomethane	ND		0.3	5	1	11/27/08 6:52	JC	4793626
Ethylbenzene	ND		0.34	5	1	11/27/08 6:52	JC	4793626
Methylene chloride	ND		0.67	5	1	11/27/08 6:52	JC	4793626
Styrene	ND		0.7	5	1	11/27/08 6:52	JC	4793626
Tetrachloroethene	ND		0.49	5	1	11/27/08 6:52	JC	4793626
Toluene	ND		0.25	5	1	11/27/08 6:52	JC	4793626
Trichloroethene	ND		0.25	5	1	11/27/08 6:52	JC	4793626
Vinyl acetate	ND		0.57	10	1	11/27/08 6:52	JC	4793626
Vinyl chloride	ND		0.25	2	1	11/27/08 6:52	JC	4793626
cis-1,2-Dichloroethene	ND		0.48	5	1	11/27/08 6:52	JC	4793626
cis-1,3-Dichloropropene	ND		0.26	5	1	11/27/08 6:52	JC	4793626
m,p-Xylene	ND		0.3	1	1	11/27/08 6:52	JC	4793626
o-Xylene	ND		0.31	1	1	11/27/08 6:52	JC	4793626
trans-1,2-Dichloroethene	ND		0.35	5	1	11/27/08 6:52	JC	4793626
trans-1,3-Dichloropropene	ND		0.31	5	1	11/27/08 6:52	JC	4793626
Xylenes,Total	ND		0.3	1	1	11/27/08 6:52	JC	4793626
Surr: 1,2-Dichloroethane-d4	100		0	% 62-130	1	11/27/08 6:52	JC	4793626

Joann Marroquin
Project Manager

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
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E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
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D - Surrogate Recovery Unreportable due to Dilution
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TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: IW-2R **Collected:** 11/20/2008 15:15 **SPL Sample ID:** 08111096-08

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 1,2-Dichloroethane-d4	96.0		0	%	62-130	5	12/01/08 15:03	JC	4800289
Surr: 4-Bromofluorobenzene	104		0	%	70-130	1	11/27/08 6:52	JC	4793626
Surr: 4-Bromofluorobenzene	104		0	%	70-130	5	12/01/08 15:03	JC	4800289
Surr: Toluene-d8	100		0	%	74-122	5	12/01/08 15:03	JC	4800289
Surr: Toluene-d8	102		0	%	74-122	1	11/27/08 6:52	JC	4793626

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
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Quality Control Documentation

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Metals by Method 6010B, Total** **WorkOrder:** **08111096**
Method: **SW6010B** **Lab Batch ID:** **85853**

Method Blank

RunID: TJA_081202B-4799889 Units: mg/L
Analysis Date: 12/02/2008 18:33 Analyst: S_C
Preparation Date: 11/25/2008 9:00 Prep By: AB1 Method SW3010A

Analyte	Result	Qual	Rep Limit	MDL
Arsenic	ND		0.1	0.0261
Manganese	ND		0.005	0.0006

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08111096-02B	1W-4R
08111096-03B	202R
08111096-04B	59R
08111096-05B	37D
08111096-06B	IW-6R
08111096-07B	69R
08111096-08B	IW-2R

Laboratory Control Sample (LCS)

RunID: TJA_081202B-4799890 Units: mg/L
Analysis Date: 12/02/2008 18:37 Analyst: S_C
Preparation Date: 11/25/2008 9:00 Prep By: AB1 Method SW3010A

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
Arsenic	1.000	0.9244	92.44		80	120
Manganese	1.000	1.011	101.1		80	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08111130-19
RunID: TJA_081202B-4799892 Units: mg/L
Analysis Date: 12/02/2008 18:47 Analyst: S_C
Preparation Date: 11/25/2008 9:00 Prep By: AB1 Method SW3010A

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
Arsenic	ND		1	1.070	107.0		1	1.069	106.9		0.1402		20	75	125
Manganese	1.995		1	3.092	109.8		1	3.103	110.8		0.3380		20	75	125

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Metals by Method 6010B, Dissolved** **WorkOrder:** **08111096**
Method: **SW6010B** **Lab Batch ID:** **85901**

Method Blank

RunID: TJA_081203A-4801458 Units: mg/L
Analysis Date: 12/03/2008 14:24 Analyst: S_C
Preparation Date: 11/26/2008 8:30 Prep By: AB1 Method SW3005A

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08111096-07C	69R

Analyte	Result	Qual	Rep Limit	MDL
Arsenic	ND		0.1	0.0261
Manganese	ND		0.005	0.0006

Laboratory Control Sample (LCS)

RunID: TJA_081203A-4801459 Units: mg/L
Analysis Date: 12/03/2008 14:29 Analyst: S_C
Preparation Date: 11/26/2008 8:30 Prep By: AB1 Method SW3005A

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
Arsenic	1.000	0.9225	92.25		80	120
Manganese	1.000	0.9975	99.75		80	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08111096-07
RunID: TJA_081203A-4801461 Units: mg/L
Analysis Date: 12/03/2008 14:38 Analyst: S_C
Preparation Date: 11/26/2008 8:30 Prep By: AB1 Method SW3005A

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
Arsenic	0.09878	J	1	1.069	96.98		1	1.103	100.4		3.129		20	75	125
Manganese	3.837		1	4.839	100.2		1	4.937	110.0		2.011		20	75	125

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Metals by Method 6010B, Dissolved** **WorkOrder:** **08111096**
Method: **SW6010B** **Lab Batch ID:** **85930**

Method Blank

RunID: TJA_081202B-4799868 Units: mg/L
Analysis Date: 12/02/2008 16:49 Analyst: S_C
Preparation Date: 11/26/2008 13:00 Prep By: AB1 Method SW3005A

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08111096-08C	IW-2R

Analyte	Result	Qual	Rep Limit	MDL
Arsenic	ND		0.1	0.0261
Manganese	ND		0.005	0.0006

Laboratory Control Sample (LCS)

RunID: TJA_081202B-4799869 Units: mg/L
Analysis Date: 12/02/2008 16:53 Analyst: S_C
Preparation Date: 11/26/2008 13:00 Prep By: AB1 Method SW3005A

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
Arsenic	1.000	0.9508	95.08		80	120
Manganese	1.000	1.001	100.1		80	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08111096-08
RunID: TJA_081202B-4799871 Units: mg/L
Analysis Date: 12/02/2008 17:08 Analyst: S_C
Preparation Date: 11/26/2008 13:00 Prep By: AB1 Method SW3005A

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
Arsenic	ND		1	0.9369	93.69		1	0.9329	93.29		0.4311		20	75	125
Manganese	3.688		1	4.536	84.73		1	4.491	80.25		0.9915		20	75	125

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08111096**
Method: **SW8260B** **Lab Batch ID:** **R258409**

Method Blank

RunID: Q_081126E-4793616 Units: ug/L
Analysis Date: 11/27/2008 1:57 Analyst: JC
Preparation Date: 11/27/2008 1:57 Prep By: Method

Analyte	Result	Qual	Rep Limit	MDL
1,1,1,2-Tetrachloroethane	ND		5.0	0.42
1,1,1-Trichloroethane	ND		5.0	0.25
1,1,2-Trichloroethane	ND		5.0	0.38
1,1-Dichloroethane	ND		5.0	0.28
1,1-Dichloroethene	ND		5.0	0.5
1,1-Dichloropropene	ND		5.0	0.35
1,2-Dibromoethane	ND		5.0	0.31
2-Butanone	ND		20	3.2
2-Hexanone	ND		10	0.47
4-Methyl-2-pentanone	ND		10	0.31
Acetone	ND		100	4.6
Benzene	ND		5.0	0.35
Bromodichloromethane	ND		5.0	0.25
Bromoform	ND		5.0	0.5
Bromomethane	ND		10	0.78
Carbon disulfide	ND		5.0	0.25
Carbon tetrachloride	ND		5.0	0.25
Chlorobenzene	ND		5.0	0.3
Chloroethane	ND		10	0.31
Chloroform	ND		5.0	0.24
Chloromethane	ND		10	0.3
Dibromochloromethane	ND		5.0	0.36
Dibromomethane	ND		5.0	0.3
Ethylbenzene	ND		5.0	0.34
Methylene chloride	ND		5.0	0.67
Styrene	ND		5.0	0.7
Tetrachloroethene	ND		5.0	0.49
Toluene	ND		5.0	0.25
Trichloroethene	ND		5.0	0.25
Vinyl acetate	ND		10	0.57
Vinyl chloride	ND		2.0	0.25
cis-1,2-Dichloroethene	ND		5.0	0.48
cis-1,3-Dichloropropene	ND		5.0	0.26
m,p-Xylene	ND		1.0	0.3
o-Xylene	ND		1.0	0.31
trans-1,2-Dichloroethene	ND		5.0	0.35
trans-1,3-Dichloropropene	ND		5.0	0.31
Xylenes,Total	ND		1.0	0.3
Surr: 1,2-Dichloroethane-d4	102.0		62-130	0
Surr: 4-Bromofluorobenzene	108.0		70-130	0
Surr: Toluene-d8	104.0		74-122	0

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08111096-01A	Trip Blank
08111096-02A	1W-4R
08111096-03A	202R
08111096-04A	59R
08111096-05A	37D
08111096-06A	IW-6R
08111096-07A	69R
08111096-08A	IW-2R

Laboratory Control Sample (LCS)

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08111096**
Method: **SW8260B** **Lab Batch ID:** **R258409**

RunID: Q_081126E-4793615 Units: ug/L
Analysis Date: 11/27/2008 1:27 Analyst: JC
Preparation Date: 11/27/2008 1:27 Prep By: Method

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
1,1,1,2-Tetrachloroethane	20.0	19.0	95.0		71	136
1,1,1-Trichloroethane	20.0	20.0	100		66	132
1,1,2-Trichloroethane	20.0	20.0	100		70	130
1,1-Dichloroethane	20.0	21.0	105		67	131
1,1-Dichloroethene	20.0	21.0	105		71	146
1,1-Dichloropropene	20.0	19.0	95.0		59	138
1,2-Dibromoethane	20.0	19.0	95.0		63	126
2-Butanone	120	180	150		20	235
2-Hexanone	20.0	31.0	155		34	182
4-Methyl-2-pentanone	20.0	24.0	120		11	145
Acetone	200	430	215		13	386
Benzene	20.0	21.0	105		76	126
Bromodichloromethane	20.0	21.0	105		77	138
Bromoform	20.0	17.0	85.0		55	129
Bromomethane	20.0	21.0	105		58	148
Carbon disulfide	20.0	13.0	65.0		46	146
Carbon tetrachloride	20.0	20.0	100		66	137
Chlorobenzene	20.0	19.0	95.0		67	136
Chloroethane	20.0	20.0	100		50	137
Chloroform	20.0	20.0	100		70	135
Chloromethane	20.0	23.0	115		51	140
Dibromochloromethane	20.0	17.0	85.0		69	127
Dibromomethane	20.0	21.0	105		74	130
Ethylbenzene	20.0	19.0	95.0		67	122
Methylene chloride	20.0	20.0	100		52	143
Styrene	20.0	19.0	95.0		60	139
Tetrachloroethene	20.0	18.0	90.0		26	200
Toluene	20.0	20.0	100		70	131
Trichloroethene	20.0	19.0	95.0		64	137
Vinyl acetate	20.0	21.0	105		10	193
Vinyl chloride	20.0	24.0	120		31	147
cis-1,2-Dichloroethene	20.0	20.0	100		70	142
cis-1,3-Dichloropropene	20.0	18.0	90.0		61	134
m,p-Xylene	40.0	38.0	95.0		72	150
o-Xylene	20.0	20.0	100		78	141

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
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(713) 660-0901

Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis:	**Volatile Organics by Method 8260B**	**WorkOrder:**	**08111096**
Method:	**SW8260B**	**Lab Batch ID:**	**R258409**

Laboratory Control Sample (LCS)

RunID:	Q_081126E-4793615	Units:	ug/L
Analysis Date:	11/27/2008 1:27	Analyst:	JC
Preparation Date:	11/27/2008 1:27	Prep By:	Method

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
trans-1,2-Dichloroethene	20.0	20.0	100		67	141
trans-1,3-Dichloropropene	20.0	18.0	90.0		56	136
Xylenes,Total	60	58	97		72	150
Surr: 1,2-Dichloroethane-d4	50.0	50	100		62	130
Surr: 4-Bromofluorobenzene	50.0	53	106		70	130
Surr: Toluene-d8	50.0	50	100		74	122

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked:	08111096-02		
RunID:	Q_081126E-4793619	Units:	ug/L
Analysis Date:	11/27/2008 3:25	Analyst:	JC

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
1,1,1,2-Tetrachloroethane	ND		20	16.0	80.0		20	15.0	75.0		6.45		20	35	175
1,1,1-Trichloroethane	ND		20	17.0	85.0		20	14.0	70.0		19.4		20	35	175
1,1,2-Trichloroethane	ND		20	17.0	85.0		20	18.0	90.0		5.71		20	35	175
1,1-Dichloroethane	ND		20	18.0	90.0		20	17.0	85.0		5.71		20	35	175
1,1-Dichloroethene	ND		20	18.0	90.0		20	14.0	70.0		25.0	*	22	61	145
1,1-Dichloropropene	ND		20	17.0	85.0		20	12.0	60.0		34.5	*	20	35	175
1,2-Dibromoethane	ND		20	16.0	80.0		20	16.0	80.0		0		20	35	175
2-Butanone	ND		20	27.0	135		20	28.0	140		3.64		20	10	230
2-Hexanone	ND		20	25.0	125		20	28.0	140		11.3		20	10	250
4-Methyl-2-pentanone	62.0		20	83.0	105		20	88.0	130		5.85		20	10	175
Acetone	ND		100	190	190		100	200	200		5.13		20	10	400
Benzene	27.0		20	43.0	80.0		20	38.0	55.0	*	12.3		22	76	127
Bromodichloromethane	ND		20	18.0	90.0		20	17.0	85.0		5.71		20	35	175
Bromoform	ND		20	16.0	80.0		20	16.0	80.0		0		20	35	175
Bromomethane	ND		20	19.0	95.0		20	19.0	95.0		0		20	35	175
Carbon disulfide	ND		20	13.0	65.0		20	10.0	50.0		26.1	*	20	30	225
Carbon tetrachloride	ND		20	18.0	90.0		20	12.0	60.0		40.0	*	20	35	175

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

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8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08111096**
Method: **SW8260B** **Lab Batch ID:** **R258409**

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08111096-02
RunID: Q_081126E-4793619 Units: ug/L
Analysis Date: 11/27/2008 3:25 Analyst: JC

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
Chlorobenzene	ND		20	16.0	80.0		20	14.0	70.0		13.3		21	70	130
Chloroethane	ND		20	18.0	90.0		20	17.0	85.0		5.71		20	35	175
Chloroform	ND		20	17.0	85.0		20	16.0	80.0		6.06		20	35	175
Chloromethane	ND		20	21.0	105		20	20.0	100		4.88		20	35	175
Dibromochloromethane	ND		20	16.0	80.0		20	15.0	75.0		6.45		20	35	175
Dibromomethane	ND		20	18.0	90.0		20	18.0	90.0		0		20	35	175
Ethylbenzene	13.0		20	28.0	75.0		20	21.0	40.0		28.6	*	20	35	175
Methylene chloride	ND		20	18.0	90.0		20	17.0	85.0		5.71		20	35	175
Styrene	ND		20	15.0	75.0		20	13.0	65.0		14.3		20	35	175
Tetrachloroethene	ND		20	13.0	65.0		20	9.00	45.0		36.4	*	20	30	250
Toluene	ND		20	16.0	80.0		20	14.0	70.0		13.3		24	70	131
Trichloroethene	2.00	J	20	18.0	80.0		20	14.0	60.0		25.0	*	21	60	140
Vinyl acetate	ND		20	15.0	75.0		20	16.0	80.0		6.45		20	10	250
Vinyl chloride	ND		20	22.0	110		20	19.0	95.0		14.6		20	35	175
cis-1,2-Dichloroethene	170		20	180	N/C		20	160	N/C		N/C		20	35	175
cis-1,3-Dichloropropene	ND		20	15.0	75.0		20	14.0	70.0		6.90		20	35	175
m,p-Xylene	ND		40	32.0	80.0		40	25.0	62.5		24.6	*	20	35	175
o-Xylene	ND		20	16.0	80.0		20	13.0	65.0		20.7	*	20	35	175
trans-1,2-Dichloroethene	0.900	J	20	18.0	85.5		20	15.0	70.5		18.2		20	35	175
trans-1,3-Dichloropropene	ND		20	15.0	75.0		20	14.0	70.0		6.90		20	35	175
Xylenes,Total	ND		60	48	80		60	38	63		23	*	20	35	175
Surr: 1,2-Dichloroethane-d4	ND		50	50	100		50	50.0	100		0		30	62	130
Surr: 4-Bromofluorobenzene	ND		50	54	108		50	54.0	108		0		30	70	130
Surr: Toluene-d8	ND		50	50	100		50	51.0	102		1.98		30	74	122

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
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J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
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D - Recovery Unreportable due to Dilution
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08111096**
Method: **SW8260B** **Lab Batch ID:** **R258771**

Method Blank

RunID: Q_081201A-4800281 Units: ug/L
Analysis Date: 12/01/2008 11:06 Analyst: JC
Preparation Date: 12/01/2008 11:06 Prep By: Method

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08111096-07A	69R
08111096-08A	IW-2R

Analyte	Result	Qual	Rep Limit	MDL
Benzene	ND		5.0	0.35
cis-1,2-Dichloroethene	ND		5.0	0.48
Surr: 1,2-Dichloroethane-d4	100.0		62-130	0
Surr: 4-Bromofluorobenzene	106.0		70-130	0
Surr: Toluene-d8	102.0		74-122	0

Laboratory Control Sample (LCS)

RunID: Q_081201A-4800280 Units: ug/L
Analysis Date: 12/01/2008 10:36 Analyst: JC
Preparation Date: 12/01/2008 10:36 Prep By: Method

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
Benzene	20.0	19.0	95.0		76	126
cis-1,2-Dichloroethene	20.0	18.0	90.0		70	142
Surr: 1,2-Dichloroethane-d4	50.0	50	100		62	130
Surr: 4-Bromofluorobenzene	50.0	53	106		70	130
Surr: Toluene-d8	50.0	50	100		74	122

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08111111-05
RunID: Q_081201A-4800293 Units: ug/L
Analysis Date: 12/01/2008 17:28 Analyst: JC

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
Benzene	ND		200	190	95.0		200	190	95.0		0		22	76	127
cis-1,2-Dichloroethene	150		200	330	90.0		200	340	95.0		2.99		20	35	175
Surr: 1,2-Dichloroethane-d4	ND		500	490	98.0		500	480	96.0		2.06		30	62	130
Surr: 4-Bromofluorobenzene	ND		500	540	108		500	530	106		1.87		30	70	130
Surr: Toluene-d8	ND		500	490	98.0		500	490	98.0		0		30	74	122

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis:	**Volatile Organics by Method 8260B**	**WorkOrder:**	**08111096**
Method:	**SW8260B**	**Lab Batch ID:**	**R258771**

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
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Sample Receipt Checklist

And

Chain of Custody

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Sample Receipt Checklist

Workorder:	**08111096**	Received By:	**RE**
Date and Time Received:	**11/21/2008 9:30:00 AM**	Carrier name:	**Fedex-Priority**
Temperature:	**2.0°C**	Chilled by:	**Water Ice**

1.	**Shipping container/cooler in good condition?**	Yes ☑	No ☐	Not Present ☐
2.	**Custody seals intact on shippping container/cooler?**	Yes ☑	No ☐	Not Present ☐
3.	**Custody seals intact on sample bottles?**	Yes ☐	No ☐	Not Present ☑
4.	**Chain of custody present?**	Yes ☑	No ☐	
5.	**Chain of custody signed when relinquished and received?**	Yes ☑	No ☐	
6.	**Chain of custody agrees with sample labels?**	Yes ☑	No ☐	
7.	**Samples in proper container/bottle?**	Yes ☑	No ☐	
8.	**Sample containers intact?**	Yes ☑	No ☐	
9.	**Sufficient sample volume for indicated test?**	Yes ☑	No ☐	
10.	**All samples received within holding time?**	Yes ☑	No ☐	
11.	**Container/Temp Blank temperature in compliance?**	Yes ☑	No ☐	
12.	**Water - VOA vials have zero headspace?**	Yes ☐	No ☐	VOA Vials Not Present ☑
13.	**Water - Preservation checked upon receipt (except VOA*)?**	Yes ☐	No ☐	Not Applicable ☑

***VOA Preservation Checked After Sample Analysis**

SPL Representative: _____ **Contact Date & Time:** _____

Client Name Contacted: _____

Non Conformance Issues: _____

Client Instructions: _____

SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No. 08111096 — 312500 — page 1 of 1

Client Name: ARCADIS
Address: 2 Executive Dr #303 Chelmsford MA 01824
Phone/Fax: 9789379999
Client Contact: Debra Stake. Email:
Project Name/No.: MA000725CC300104
Site Name: FORD
Site Location: Tibbetts Rd
Invoice To: Ph:

matrix: W=water S=soil O=oil SL=sludge X=other
bottle: P=plastic A=amber glass G=glass V=vial X=other
size: 1=1 liter 4=4oz 40=vial 8=8oz 16=16oz X=other
pres.: 1=HCl 2=HNO3 3=H2SO4 X=other

Requested Analysis

SAMPLE ID	DATE	TIME	comp	grab	matrix	bottle	size	pres.	Number of Containers	VOC 8260b	As/Mn 6010B	dissolved As/Mn 6010B	Ethane Ethene Methane RSK-147					
Trip Blank	—	—	—	—	W	V	40	1	2	X								
1W-4R	11-20-08	1400		X	W	P/V	16/40	1/2	4	X	X							
202R	11-20-08	1200		X	W	P/V	16/40	1/2	4	X	X							
59R	11-20-08	1015		X	W	P/V	16/40	1/2	4	X	X							
37D	↓	1000		X	W	P/V	16/40	1/2	4	X	X							
1W-6R	↓	1135		X	↓	↓	↓	↓	4	X	X							
69R	↓	1250		X	↓	↓	↓	↓	5	X	X	X						
1W-2R	↓	1515		X	↓	↓	↓	↓	5	X	X	X						

Client/Consultant Remarks: Enovis Project # E101274

Laboratory remarks:

Intact? ☐ Y ☐ N
Ice? ☐ Y ☐ N
Temp: 2.0C

Requested TAT

Contract ☐ 72hr ☐
24hr ☐ Standard ☒
48hr ☐
Other ☐ _____

Special Reporting Requirements Results: Fax ☐ Email ☐ PDF ☐
Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐ TX TRRP ☐ LA RECAP ☐

Special Detection Limits (specify):

PM review (initial):

1. Relinquished by Sampler: Dave Chiappone	date 11/20/08	time 1700	2. Received by:
3. Relinquished by:	date	time	4. Received by:
5. Relinquished by:	date 11/21/08	time 0930	6. Received by Laboratory:

☒ 8880 Interchange Drive, Houston, TX 77054 (713) 660-0901
☐ 500 Ambassador Caffery Parkway, Scott, LA 70583 (337) 237-4775
☐ 459 Hughes Drive, Traverse City, MI 49686 (231) 947-5777

December 10, 2008

Debra Stake
ARCADIS
175 Cabot Street, Suite 400
Lowell, MA US 01854

Enovis project ID: E101274
Project: Tibbetts Rd. sampling
Project number: MA000725
Laboratory: Southern Petroleum Laboratory (SPL) - Houston
Laboratory submittal: 08111134
Sample date: 2008-11-21
Report received by Enovis: 2008-12-09
Initial Data Verification completed by Enovis: 2008-12-10

Data verification for the report specified above was completed using the Ford Motor Company Environmental Laboratory Technical Specification, the Enovis Standard Operating Procedure for the Verification of Environmental Analytical Data and the associated analytical methods as references for evaluating the batch QC, sample data and report content. The EPA National Functional Guidelines for validating organic and inorganic data were used as guidance when addressing out of control QC results and the associated data qualifiers.

4 Water sample(s) and 1 trip blank were analyzed for GCMS VOC and Metals parameter(s).

Sample/MS/MSD Surrogate Recovery, Blank/LCS Surrogate Recovery, LCS/LCD Recovery, MS/MSD Recovery, MS/MSD RPD, Blank Contamination and Hold Time Exception were reviewed as part of our verification.

Analytical results reported between RDL and MDL are flagged 'J' and considered estimated values.

The following minor QC exceptions or missing information were noted:

GCMS VOC surrogate recoveries were outside of laboratory limits biased low for one out of three surrogates in client sample -003. Client sample -003 GCMS VOC target analytes should be considered estimated and qualified with J flags if detected and UJ flags if non-detect.

GCMS VOC MS/MSD recovery outliers were not performed on a sample from this client submittal so qualification is not required based on these sample matrix specific QC outliers.

GCMS VOC trip blank was non-detect for all target analytes.

The definitions of the qualifiers used for this data package are defined in the analytical report. Enovis valid qualifiers are defined in the table below. To view and download a PDF copy of the laboratory's analytical report access the Enovis CLMS at http://enovis-inc.com/enovis53/index.cfm.

Please contact me if you have any questions.

Sincerely,

Jim Tomalia

Project Scientist

Enovis Valid Qualifiers

Valid Qualifiers	Description
<	Less than the reported concentration.
>	Greater than the reported concentration.
B	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was greater than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the reported concentration. For Inorganic methods the sample concentration was greater than the RDL and less than 10x the blank concentration and is considered non-detect at the reported concentration.
E	The analyte / Compound reported exceeds the calibration range and is considered estimated.
EMPC	Estimated Minimum Potential Contamination - Dioxin/Furan analyses only.
J	Indicates an estimated value. This flag is used either when estimating a concentration for a tentatively identified compound or when the data indicates the presence of an analyte / compound but the result is less than the sample Quantitation limit, but greater than zero. The flag is also used in data validation to indicate a reported value should be considered estimated due to associated quality assurance deficiencies.
JH	The sample result is considered estimated and is potentially biased high.
JL	The sample result is considered estimated and is potentially biased low.
NJ	Tentatively identified compound with approximated concentration.
R	Indicates the value is considered to be unusable. (Note: The analyte / compound may or may not be present.)
TNTC	Too Numerous to Count - Asbestos and Microbiological Results.
U	Indicates that the analyte / compound was analyzed for, but not detected.
UB	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was less than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the RDL. For Inorganic methods the sample concentration was less than the RDL and less than 10x the blank concentration and is considered non-detect at the RDL.
UJ	The analyte / compound was not detected above the reported sample Quantitation limit. However, the Quantitation limit is considered to be approximate due to associated quality assurance results and may or may not represent the actual limit of Quantitation to accurately and precisely report the analyte in the sample.

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Enovis, Inc.

Certificate of Analysis Number:

08111134

Report To:	**Project Name:** E101274, Tibbetts Road
ARCADIS U.S., Inc.	**Site:** Tibbetts Rd.
Debra Stake	**Site Address:**
2 Executive Dr #303	
Chelmsford	**PO Number:**
MA	**State:** New Hampshire
01824-	**State Cert. No.:** 295301
ph: (978) 937-9999 fax:	**Date Reported:**

This Report Contains A Total Of 29 Pages

Excluding This Page

And

Chain Of Custody

12/9/2008

Joann Marroquin
Project Manager

Date

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Case Narrative for:

Enovis, Inc.

Certificate of Analysis Number:

08111134

Report To:		**Project Name:**	**E101274, Tibbetts Road**
ARCADIS U.S., Inc.		**Site:**	**Tibbetts Rd.**
Debra Stake		**Site Address:**	
2 Executive Dr #303			
Chelmsford		**PO Number:**	
MA		**State:**	**New Hampshire**
01824-		**State Cert. No.:**	**295301**
ph: (978) 937-9999	**fax:**	**Date Reported:**	

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report (" mg\kg-dry " or " ug\kg-dry ").

Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

Some of the percent recoveries and RPD's on the QC report for the MS/MSD may be different than the calculated recoveries and RPD's using the sample result and the MS/MSD results that appear on the report because, the actual raw result is used to perform the calculations for percent recovery and RPD.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

12/9/2008

Joann Marroquin
Senior Project Manager

Date

Test results meet all requirements of NELAC, unless specified in the narrative.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Enovis, Inc.

Certificate of Analysis Number:

08111134

Report To: ARCADIS U.S., Inc.
Debra Stake
2 Executive Dr #303

Chelmsford
MA
01824-
ph: (978) 937-9999 fax: (978) 937-7555

Fax To:

Project Name: E101274, Tibbetts Road
Site: Tibbetts Rd.
Site Address:

PO Number:
State: New Hampshire
State Cert. No.: 295301
Date Reported:

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
Trip Blank	08111134-01	Water	11/21/2008	11/22/2008 10:30:00 AM	312497	☐
IW-5R	08111134-02	Water	11/21/2008 10:20:00 AM	11/22/2008 10:30:00 AM	312497	☐
203R	08111134-03	Water	11/21/2008 10:40:00 AM	11/22/2008 10:30:00 AM	312497	☐
201R	08111134-04	Water	11/21/2008 10:40:00 AM	11/22/2008 10:30:00 AM	312497	☐
35R	08111134-05	Water	11/21/2008 12:25:00 PM	11/22/2008 10:30:00 AM	312497	☐

Joann Marroquin
Senior Project Manager

12/9/2008
Date

Richard R. Reed
Laboratory Director

Ted Yen
Quality Assurance Officer

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: Trip Blank | **Collected:** 11/21/2008 0:00 | **SPL Sample ID:** 08111134-01

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	12/01/08 20:45	LU_L	4798809
1,1,1-Trichloroethane	ND		0.25	5	1	12/01/08 20:45	LU_L	4798809
1,1,2-Trichloroethane	ND		0.38	5	1	12/01/08 20:45	LU_L	4798809
1,1-Dichloroethane	ND		0.28	5	1	12/01/08 20:45	LU_L	4798809
1,1-Dichloroethene	ND		0.5	5	1	12/01/08 20:45	LU_L	4798809
1,1-Dichloropropene	ND		0.35	5	1	12/01/08 20:45	LU_L	4798809
1,2-Dibromoethane	ND		0.31	5	1	12/01/08 20:45	LU_L	4798809
2-Butanone	ND		3.2	20	1	12/01/08 20:45	LU_L	4798809
2-Hexanone	ND		0.47	10	1	12/01/08 20:45	LU_L	4798809
4-Methyl-2-pentanone	ND		0.31	10	1	12/01/08 20:45	LU_L	4798809
Acetone	ND		4.6	100	1	12/01/08 20:45	LU_L	4798809
Benzene	ND		0.35	5	1	12/01/08 20:45	LU_L	4798809
Bromodichloromethane	ND		0.25	5	1	12/01/08 20:45	LU_L	4798809
Bromoform	ND		0.5	5	1	12/01/08 20:45	LU_L	4798809
Bromomethane	ND		0.78	10	1	12/01/08 20:45	LU_L	4798809
Carbon disulfide	ND		0.25	5	1	12/01/08 20:45	LU_L	4798809
Carbon tetrachloride	ND		0.25	5	1	12/01/08 20:45	LU_L	4798809
Chlorobenzene	ND		0.3	5	1	12/01/08 20:45	LU_L	4798809
Chloroethane	ND		0.31	10	1	12/01/08 20:45	LU_L	4798809
Chloroform	ND		0.24	5	1	12/01/08 20:45	LU_L	4798809
Chloromethane	ND		0.3	10	1	12/01/08 20:45	LU_L	4798809
Dibromochloromethane	ND		0.36	5	1	12/01/08 20:45	LU_L	4798809
Dibromomethane	ND		0.3	5	1	12/01/08 20:45	LU_L	4798809
Ethylbenzene	ND		0.34	5	1	12/01/08 20:45	LU_L	4798809
Methylene chloride	ND		0.67	5	1	12/01/08 20:45	LU_L	4798809
Styrene	ND		0.7	5	1	12/01/08 20:45	LU_L	4798809
Tetrachloroethene	ND		0.49	5	1	12/01/08 20:45	LU_L	4798809
Toluene	ND		0.25	5	1	12/01/08 20:45	LU_L	4798809
Trichloroethene	ND		0.25	5	1	12/01/08 20:45	LU_L	4798809
Vinyl acetate	ND		0.57	10	1	12/01/08 20:45	LU_L	4798809
Vinyl chloride	ND		0.25	2	1	12/01/08 20:45	LU_L	4798809
cis-1,2-Dichloroethene	ND		0.48	5	1	12/01/08 20:45	LU_L	4798809
cis-1,3-Dichloropropene	ND		0.26	5	1	12/01/08 20:45	LU_L	4798809
m,p-Xylene	ND		0.3	1	1	12/01/08 20:45	LU_L	4798809
o-Xylene	ND		0.31	1	1	12/01/08 20:45	LU_L	4798809
trans-1,2-Dichloroethene	ND		0.35	5	1	12/01/08 20:45	LU_L	4798809
trans-1,3-Dichloropropene	ND		0.31	5	1	12/01/08 20:45	LU_L	4798809
Xylenes,Total	ND		0.3	1	1	12/01/08 20:45	LU_L	4798809
Surr: 1,2-Dichloroethane-d4	98.0		0	% 62-130	1	12/01/08 20:45	LU_L	4798809

Joann Marroquin
Project Manager

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
J - Estimated Value between MDL and PQL
* - Surrogate Recovery Outside Advisable QC Limits
E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: Trip Blank | **Collected:** 11/21/2008 0:00 | **SPL Sample ID:** 08111134-01

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 4-Bromofluorobenzene	100		0	%	70-130	1	12/01/08 20:45	LU_L	4798809
Surr: Toluene-d8	108		0	%	74-122	1	12/01/08 20:45	LU_L	4798809

Joann Marroquin
Project Manager

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: IW-5R **Collected:** 11/21/2008 10:20 **SPL Sample ID:** 08111134-02

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL					**MCL**	**SW6010B Units: mg/L**		
Arsenic	ND		0.0261	0.1	1	12/03/08 19:47	S_C	4801963
Manganese	10.6		0.0006	0.005	1	12/03/08 19:47	S_C	4801963

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	11/25/2008 14:00	AB1	1.00

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
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E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: IW-5R **Collected:** 11/21/2008 10:20 **SPL Sample ID:** 08111134-02

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	12/03/08 11:42	LU_L	4802404
1,1,1-Trichloroethane	ND		0.25	5	1	12/03/08 11:42	LU_L	4802404
1,1,2-Trichloroethane	ND		0.38	5	1	12/03/08 11:42	LU_L	4802404
1,1-Dichloroethane	ND		0.28	5	1	12/03/08 11:42	LU_L	4802404
1,1-Dichloroethene	ND		0.5	5	1	12/03/08 11:42	LU_L	4802404
1,1-Dichloropropene	ND		0.35	5	1	12/03/08 11:42	LU_L	4802404
1,2-Dibromoethane	ND		0.31	5	1	12/03/08 11:42	LU_L	4802404
2-Butanone	ND		3.2	20	1	12/03/08 11:42	LU_L	4802404
2-Hexanone	ND		0.47	10	1	12/03/08 11:42	LU_L	4802404
4-Methyl-2-pentanone	ND		0.31	10	1	12/03/08 11:42	LU_L	4802404
Acetone	ND		4.6	100	1	12/03/08 11:42	LU_L	4802404
Benzene	40		0.35	5	1	12/03/08 11:42	LU_L	4802404
Bromodichloromethane	ND		0.25	5	1	12/03/08 11:42	LU_L	4802404
Bromoform	ND		0.5	5	1	12/03/08 11:42	LU_L	4802404
Bromomethane	ND		0.78	10	1	12/03/08 11:42	LU_L	4802404
Carbon disulfide	ND		0.25	5	1	12/03/08 11:42	LU_L	4802404
Carbon tetrachloride	ND		0.25	5	1	12/03/08 11:42	LU_L	4802404
Chlorobenzene	ND		0.3	5	1	12/03/08 11:42	LU_L	4802404
Chloroethane	ND		0.31	10	1	12/03/08 11:42	LU_L	4802404
Chloroform	ND		0.24	5	1	12/03/08 11:42	LU_L	4802404
Chloromethane	ND		0.3	10	1	12/03/08 11:42	LU_L	4802404
Dibromochloromethane	ND		0.36	5	1	12/03/08 11:42	LU_L	4802404
Dibromomethane	ND		0.3	5	1	12/03/08 11:42	LU_L	4802404
Ethylbenzene	8		0.34	5	1	12/03/08 11:42	LU_L	4802404
Methylene chloride	ND		0.67	5	1	12/03/08 11:42	LU_L	4802404
Styrene	ND		0.7	5	1	12/03/08 11:42	LU_L	4802404
Tetrachloroethene	ND		0.49	5	1	12/03/08 11:42	LU_L	4802404
Toluene	ND		0.25	5	1	12/03/08 11:42	LU_L	4802404
Trichloroethene	ND		0.25	5	1	12/03/08 11:42	LU_L	4802404
Vinyl acetate	ND		0.57	10	1	12/03/08 11:42	LU_L	4802404
Vinyl chloride	ND		0.25	2	1	12/03/08 11:42	LU_L	4802404
cis-1,2-Dichloroethene	92		0.48	5	1	12/03/08 11:42	LU_L	4802404
cis-1,3-Dichloropropene	ND		0.26	5	1	12/03/08 11:42	LU_L	4802404
m,p-Xylene	5		0.3	1	1	12/03/08 11:42	LU_L	4802404
o-Xylene	ND		0.31	1	1	12/03/08 11:42	LU_L	4802404
trans-1,2-Dichloroethene	ND		0.35	5	1	12/03/08 11:42	LU_L	4802404
trans-1,3-Dichloropropene	ND		0.31	5	1	12/03/08 11:42	LU_L	4802404
Xylenes,Total	5		0.3	1	1	12/03/08 11:42	LU_L	4802404
Surr: 1,2-Dichloroethane-d4	100		0	% 62-130	1	12/03/08 11:42	LU_L	4802404

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
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MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: IW-5R **Collected:** 11/21/2008 10:20 **SPL Sample ID:** 08111134-02

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 4-Bromofluorobenzene	102		0	%	70-130	1	12/03/08 11:42	LU_L	4802404
Surr: Toluene-d8	108		0	%	74-122	1	12/03/08 11:42	LU_L	4802404

Joann Marroquin
Project Manager

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 203R **Collected:** 11/21/2008 10:40 **SPL Sample ID:** 08111134-03

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, DISSOLVED					**MCL**	**SW6010B Units: mg/L**		
Arsenic	ND		0.0261	0.1	1	12/03/08 15:02	S_C	4801466
Manganese	98		0.0006	0.005	1	12/03/08 15:02	S_C	4801466

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3005A	11/26/2008 8:30	AB1	1.00

METALS BY METHOD 6010B, TOTAL					**MCL**	**SW6010B Units: mg/L**		
Arsenic	ND		0.0261	0.1	1	12/03/08 19:52	S_C	4801964
Manganese	101		0.0012	0.01	2	12/04/08 16:00	S_C	4803520

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	11/25/2008 14:00	AB1	1.00

Joann Marroquin
Project Manager

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 203R **Collected:** 11/21/2008 10:40 **SPL Sample ID:** 08111134-03

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	12/01/08 21:16	LU_L	4798810
1,1,1-Trichloroethane	ND		0.25	5	1	12/01/08 21:16	LU_L	4798810
1,1,2-Trichloroethane	ND		0.38	5	1	12/01/08 21:16	LU_L	4798810
1,1-Dichloroethane	ND		0.28	5	1	12/01/08 21:16	LU_L	4798810
1,1-Dichloroethene	ND		0.5	5	1	12/01/08 21:16	LU_L	4798810
1,1-Dichloropropene	ND		0.35	5	1	12/01/08 21:16	LU_L	4798810
1,2-Dibromoethane	ND		0.31	5	1	12/01/08 21:16	LU_L	4798810
2-Butanone	4	J	3.2	20	1	12/01/08 21:16	LU_L	4798810
2-Hexanone	ND		0.47	10	1	12/01/08 21:16	LU_L	4798810
4-Methyl-2-pentanone	2	J	0.31	10	1	12/01/08 21:16	LU_L	4798810
Acetone	42	J	4.6	100	1	12/01/08 21:16	LU_L	4798810
Benzene	ND		0.35	5	1	12/01/08 21:16	LU_L	4798810
Bromodichloromethane	ND		0.25	5	1	12/01/08 21:16	LU_L	4798810
Bromoform	9		0.5	5	1	12/01/08 21:16	LU_L	4798810
Bromomethane	ND		0.78	10	1	12/01/08 21:16	LU_L	4798810
Carbon disulfide	ND		0.25	5	1	12/01/08 21:16	LU_L	4798810
Carbon tetrachloride	ND		0.25	5	1	12/01/08 21:16	LU_L	4798810
Chlorobenzene	15		0.3	5	1	12/01/08 21:16	LU_L	4798810
Chloroethane	ND		0.31	10	1	12/01/08 21:16	LU_L	4798810
Chloroform	ND		0.24	5	1	12/01/08 21:16	LU_L	4798810
Chloromethane	ND		0.3	10	1	12/01/08 21:16	LU_L	4798810
Dibromochloromethane	ND		0.36	5	1	12/01/08 21:16	LU_L	4798810
Dibromomethane	ND		0.3	5	1	12/01/08 21:16	LU_L	4798810
Ethylbenzene	ND		0.34	5	1	12/01/08 21:16	LU_L	4798810
Methylene chloride	ND		0.67	5	1	12/01/08 21:16	LU_L	4798810
Styrene	ND		0.7	5	1	12/01/08 21:16	LU_L	4798810
Tetrachloroethene	ND		0.49	5	1	12/01/08 21:16	LU_L	4798810
Toluene	ND		0.25	5	1	12/01/08 21:16	LU_L	4798810
Trichloroethene	ND		0.25	5	1	12/01/08 21:16	LU_L	4798810
Vinyl acetate	ND		0.57	10	1	12/01/08 21:16	LU_L	4798810
Vinyl chloride	ND		0.25	2	1	12/01/08 21:16	LU_L	4798810
cis-1,2-Dichloroethene	ND		0.48	5	1	12/01/08 21:16	LU_L	4798810
cis-1,3-Dichloropropene	ND		0.26	5	1	12/01/08 21:16	LU_L	4798810
m,p-Xylene	ND		0.3	1	1	12/01/08 21:16	LU_L	4798810
o-Xylene	ND		0.31	1	1	12/01/08 21:16	LU_L	4798810
trans-1,2-Dichloroethene	ND		0.35	5	1	12/01/08 21:16	LU_L	4798810
trans-1,3-Dichloropropene	ND		0.31	5	1	12/01/08 21:16	LU_L	4798810
Xylenes,Total	ND		0.3	1	1	12/01/08 21:16	LU_L	4798810
Surr: 1,2-Dichloroethane-d4	94.0		0	% 62-130	1	12/01/08 21:16	LU_L	4798810

Joann Marroquin
Project Manager

Qualifiers:
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MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 203R **Collected:** 11/21/2008 10:40 **SPL Sample ID:** 08111134-03

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 4-Bromofluorobenzene	104		0	%	70-130	1	12/01/08 21:16	LU_L	4798810
Surr: Toluene-d8	44MI	*	0	%	74-122	1	12/01/08 21:16	LU_L	4798810

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
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E - Concentrations exceeding Calibration range of Instrument
B/V - Analyte detected in the associated Method Blank above Rep.Limit
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 201R **Collected:** 11/21/2008 10:40 **SPL Sample ID:** 08111134-04

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B**	**Units: mg/L**		
Arsenic	ND		0.0261	0.1	1	12/03/08 19:57	S_C	4801965
Manganese	0.534		0.0006	0.005	1	12/03/08 19:57	S_C	4801965

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	11/25/2008 14:00	AB1	1.00

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 201R **Collected:** 11/21/2008 10:40 **SPL Sample ID:** 08111134-04

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	12/03/08 12:10	LU_L	4802405
1,1,1-Trichloroethane	ND		0.25	5	1	12/03/08 12:10	LU_L	4802405
1,1,2-Trichloroethane	ND		0.38	5	1	12/03/08 12:10	LU_L	4802405
1,1-Dichloroethane	ND		0.28	5	1	12/03/08 12:10	LU_L	4802405
1,1-Dichloroethene	ND		0.5	5	1	12/03/08 12:10	LU_L	4802405
1,1-Dichloropropene	ND		0.35	5	1	12/03/08 12:10	LU_L	4802405
1,2-Dibromoethane	ND		0.31	5	1	12/03/08 12:10	LU_L	4802405
2-Butanone	ND		3.2	20	1	12/03/08 12:10	LU_L	4802405
2-Hexanone	ND		0.47	10	1	12/03/08 12:10	LU_L	4802405
4-Methyl-2-pentanone	4	J	0.31	10	1	12/03/08 12:10	LU_L	4802405
Acetone	ND		4.6	100	1	12/03/08 12:10	LU_L	4802405
Benzene	230		0.7	10	2	12/03/08 15:03	LU_L	4802410
Bromodichloromethane	ND		0.25	5	1	12/03/08 12:10	LU_L	4802405
Bromoform	ND		0.5	5	1	12/03/08 12:10	LU_L	4802405
Bromomethane	ND		0.78	10	1	12/03/08 12:10	LU_L	4802405
Carbon disulfide	ND		0.25	5	1	12/03/08 12:10	LU_L	4802405
Carbon tetrachloride	ND		0.25	5	1	12/03/08 12:10	LU_L	4802405
Chlorobenzene	ND		0.3	5	1	12/03/08 12:10	LU_L	4802405
Chloroethane	ND		0.31	10	1	12/03/08 12:10	LU_L	4802405
Chloroform	ND		0.24	5	1	12/03/08 12:10	LU_L	4802405
Chloromethane	ND		0.3	10	1	12/03/08 12:10	LU_L	4802405
Dibromochloromethane	ND		0.36	5	1	12/03/08 12:10	LU_L	4802405
Dibromomethane	ND		0.3	5	1	12/03/08 12:10	LU_L	4802405
Ethylbenzene	3	J	0.34	5	1	12/03/08 12:10	LU_L	4802405
Methylene chloride	ND		0.67	5	1	12/03/08 12:10	LU_L	4802405
Styrene	ND		0.7	5	1	12/03/08 12:10	LU_L	4802405
Tetrachloroethene	ND		0.49	5	1	12/03/08 12:10	LU_L	4802405
Toluene	4	J	0.25	5	1	12/03/08 12:10	LU_L	4802405
Trichloroethene	4	J	0.25	5	1	12/03/08 12:10	LU_L	4802405
Vinyl acetate	ND		0.57	10	1	12/03/08 12:10	LU_L	4802405
Vinyl chloride	1	J	0.25	2	1	12/03/08 12:10	LU_L	4802405
cis-1,2-Dichloroethene	98		0.48	5	1	12/03/08 12:10	LU_L	4802405
cis-1,3-Dichloropropene	ND		0.26	5	1	12/03/08 12:10	LU_L	4802405
m,p-Xylene	ND		0.3	1	1	12/03/08 12:10	LU_L	4802405
o-Xylene	ND		0.31	1	1	12/03/08 12:10	LU_L	4802405
trans-1,2-Dichloroethene	10		0.35	5	1	12/03/08 12:10	LU_L	4802405
trans-1,3-Dichloropropene	ND		0.31	5	1	12/03/08 12:10	LU_L	4802405
Xylenes,Total	ND		0.3	1	1	12/03/08 12:10	LU_L	4802405
Surr: 1,2-Dichloroethane-d4	98.0		0 %	62-130	1	12/03/08 12:10	LU_L	4802405

Joann Marroquin
Project Manager

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 201R **Collected:** 11/21/2008 10:40 **SPL Sample ID:** 08111134-04

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 1,2-Dichloroethane-d4	100		0	%	62-130	2	12/03/08 15:03	LU_L	4802410
Surr: 4-Bromofluorobenzene	100		0	%	70-130	1	12/03/08 12:10	LU_L	4802405
Surr: 4-Bromofluorobenzene	100		0	%	70-130	2	12/03/08 15:03	LU_L	4802410
Surr: Toluene-d8	110		0	%	74-122	2	12/03/08 15:03	LU_L	4802410
Surr: Toluene-d8	106		0	%	74-122	1	12/03/08 12:10	LU_L	4802405

Joann Marroquin
Project Manager

Qualifiers:

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MI - Matrix Interference
TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 35R **Collected:** 11/21/2008 12:25 **SPL Sample ID:** 08111134-05

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B**	**Units: mg/L**		
Arsenic	ND		0.0261	0.1	1	12/03/08 20:02	S_C	4801966
Manganese	1.17		0.0006	0.005	1	12/03/08 20:02	S_C	4801966

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	11/25/2008 14:00	AB1	1.00

Joann Marroquin
Project Manager

Qualifiers:

ND/U - Not Detected at the Method Detection Limit
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B/V - Analyte detected in the associated Method Blank above Rep.Limit
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TNTC - Too numerous to count

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 35R **Collected:** 11/21/2008 12:25 **SPL Sample ID:** 08111134-05

Site: **Tibbetts Rd.**

Analyses/Method	Result	QUAL	MDL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B Units: ug/L**			
1,1,1,2-Tetrachloroethane	ND		0.42	5	1	12/03/08 14:34	LU_L	4802409
1,1,1-Trichloroethane	ND		0.25	5	1	12/03/08 14:34	LU_L	4802409
1,1,2-Trichloroethane	ND		0.38	5	1	12/03/08 14:34	LU_L	4802409
1,1-Dichloroethane	ND		0.28	5	1	12/03/08 14:34	LU_L	4802409
1,1-Dichloroethene	ND		0.5	5	1	12/03/08 14:34	LU_L	4802409
1,1-Dichloropropene	ND		0.35	5	1	12/03/08 14:34	LU_L	4802409
1,2-Dibromoethane	ND		0.31	5	1	12/03/08 14:34	LU_L	4802409
2-Butanone	ND		3.2	20	1	12/03/08 14:34	LU_L	4802409
2-Hexanone	ND		0.47	10	1	12/03/08 14:34	LU_L	4802409
4-Methyl-2-pentanone	ND		0.31	10	1	12/03/08 14:34	LU_L	4802409
Acetone	ND		4.6	100	1	12/03/08 14:34	LU_L	4802409
Benzene	4	J	0.35	5	1	12/03/08 14:34	LU_L	4802409
Bromodichloromethane	ND		0.25	5	1	12/03/08 14:34	LU_L	4802409
Bromoform	ND		0.5	5	1	12/03/08 14:34	LU_L	4802409
Bromomethane	ND		0.78	10	1	12/03/08 14:34	LU_L	4802409
Carbon disulfide	ND		0.25	5	1	12/03/08 14:34	LU_L	4802409
Carbon tetrachloride	ND		0.25	5	1	12/03/08 14:34	LU_L	4802409
Chlorobenzene	ND		0.3	5	1	12/03/08 14:34	LU_L	4802409
Chloroethane	ND		0.31	10	1	12/03/08 14:34	LU_L	4802409
Chloroform	ND		0.24	5	1	12/03/08 14:34	LU_L	4802409
Chloromethane	ND		0.3	10	1	12/03/08 14:34	LU_L	4802409
Dibromochloromethane	ND		0.36	5	1	12/03/08 14:34	LU_L	4802409
Dibromomethane	ND		0.3	5	1	12/03/08 14:34	LU_L	4802409
Ethylbenzene	ND		0.34	5	1	12/03/08 14:34	LU_L	4802409
Methylene chloride	ND		0.67	5	1	12/03/08 14:34	LU_L	4802409
Styrene	ND		0.7	5	1	12/03/08 14:34	LU_L	4802409
Tetrachloroethene	2	J	0.49	5	1	12/03/08 14:34	LU_L	4802409
Toluene	ND		0.25	5	1	12/03/08 14:34	LU_L	4802409
Trichloroethene	5		0.25	5	1	12/03/08 14:34	LU_L	4802409
Vinyl acetate	ND		0.57	10	1	12/03/08 14:34	LU_L	4802409
Vinyl chloride	ND		0.25	2	1	12/03/08 14:34	LU_L	4802409
cis-1,2-Dichloroethene	7		0.48	5	1	12/03/08 14:34	LU_L	4802409
cis-1,3-Dichloropropene	ND		0.26	5	1	12/03/08 14:34	LU_L	4802409
m,p-Xylene	ND		0.3	1	1	12/03/08 14:34	LU_L	4802409
o-Xylene	ND		0.31	1	1	12/03/08 14:34	LU_L	4802409
trans-1,2-Dichloroethene	ND		0.35	5	1	12/03/08 14:34	LU_L	4802409
trans-1,3-Dichloropropene	ND		0.31	5	1	12/03/08 14:34	LU_L	4802409
Xylenes,Total	ND		0.3	1	1	12/03/08 14:34	LU_L	4802409
Surr: 1,2-Dichloroethane-d4	104		0	% 62-130	1	12/03/08 14:34	LU_L	4802409

Joann Marroquin
Project Manager

Qualifiers:
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: 35R **Collected:** 11/21/2008 12:25 **SPL Sample ID:** 08111134-05

Site: Tibbetts Rd.

Analyses/Method	Result	QUAL	MDL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Surr: 4-Bromofluorobenzene	100		0	%	70-130	1	12/03/08 14:34	LU_L	4802409
Surr: Toluene-d8	104		0	%	74-122	1	12/03/08 14:34	LU_L	4802409

Joann Marroquin
Project Manager

Qualifiers:

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TNTC - Too numerous to count

Quality Control Documentation

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Metals by Method 6010B, Total** **WorkOrder:** **08111134**
Method: **SW6010B** **Lab Batch ID:** **85882**

Method Blank

RunID: TJA_081203A-4801938 Units: mg/L
Analysis Date: 12/03/2008 17:50 Analyst: S_C
Preparation Date: 11/25/2008 14:00 Prep By: AB1 Method SW3010A

Analyte	Result	Qual	Rep Limit	MDL
Arsenic	ND		0.1	0.0261
Manganese	ND		0.005	0.0006

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08111134-02B	IW-5R
08111134-03B	203R
08111134-04B	201R
08111134-05B	35R

Laboratory Control Sample (LCS)

RunID: TJA_081203A-4801939 Units: mg/L
Analysis Date: 12/03/2008 17:54 Analyst: S_C
Preparation Date: 11/25/2008 14:00 Prep By: AB1 Method SW3010A

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
Arsenic	1.000	0.9761	97.61		80	120
Manganese	1.000	1.049	104.9		80	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08111125-01
RunID: TJA_081203A-4801941 Units: mg/L
Analysis Date: 12/03/2008 18:04 Analyst: S_C
Preparation Date: 11/25/2008 14:00 Prep By: AB1 Method SW3010A

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
Arsenic	ND		1	0.9829	98.29		1	1.033	103.3		4.969		20	75	125
Manganese	0.02604		1	1.060	103.4		1	1.086	106.0		2.390		20	75	125

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Metals by Method 6010B, Dissolved** **WorkOrder:** **08111134**
Method: **SW6010B** **Lab Batch ID:** **85901**

Method Blank

RunID: TJA_081203A-4801458 Units: mg/L
Analysis Date: 12/03/2008 14:24 Analyst: S_C
Preparation Date: 11/26/2008 8:30 Prep By: AB1 Method SW3005A

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08111134-03C	203R

Analyte	Result	Qual	Rep Limit	MDL
Arsenic	ND		0.1	0.0261
Manganese	ND		0.005	0.0006

Laboratory Control Sample (LCS)

RunID: TJA_081203A-4801459 Units: mg/L
Analysis Date: 12/03/2008 14:29 Analyst: S_C
Preparation Date: 11/26/2008 8:30 Prep By: AB1 Method SW3005A

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
Arsenic	1.000	0.9225	92.25		80	120
Manganese	1.000	0.9975	99.75		80	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08111096-07
RunID: TJA_081203A-4801461 Units: mg/L
Analysis Date: 12/03/2008 14:38 Analyst: S_C
Preparation Date: 11/26/2008 8:30 Prep By: AB1 Method SW3005A

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
Arsenic	0.09878	J	1	1.069	96.98		1	1.103	100.4		3.129		20	75	125
Manganese	3.837		1	4.839	100.2		1	4.937	110.0		2.011		20	75	125

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
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8880 INTERCHANGE DRIVE
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis:	**Volatile Organics by Method 8260B**	**WorkOrder:**	**08111134**
Method:	**SW8260B**	**Lab Batch ID:**	**R258672**

Method Blank

RunID:	K_081201D-4798805	Units:	ug/L
Analysis Date:	12/01/2008 12:29	Analyst:	LU_L
Preparation Date:	12/01/2008 12:29	Prep By:	Method

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08111134-01A	Trip Blank
08111134-03A	203R

Analyte	Result	Qual	Rep Limit	MDL
1,1,1,2-Tetrachloroethane	ND		5.0	0.42
1,1,1-Trichloroethane	ND		5.0	0.25
1,1,2-Trichloroethane	ND		5.0	0.38
1,1-Dichloroethane	ND		5.0	0.28
1,1-Dichloroethene	ND		5.0	0.5
1,1-Dichloropropene	ND		5.0	0.35
1,2-Dibromoethane	ND		5.0	0.31
2-Butanone	ND		20	3.2
2-Hexanone	ND		10	0.47
4-Methyl-2-pentanone	ND		10	0.31
Acetone	ND		100	4.6
Benzene	ND		5.0	0.35
Bromodichloromethane	ND		5.0	0.25
Bromoform	ND		5.0	0.5
Bromomethane	ND		10	0.78
Carbon disulfide	ND		5.0	0.25
Carbon tetrachloride	ND		5.0	0.25
Chlorobenzene	ND		5.0	0.3
Chloroethane	ND		10	0.31
Chloroform	ND		5.0	0.24
Chloromethane	ND		10	0.3
Dibromochloromethane	ND		5.0	0.36
Dibromomethane	ND		5.0	0.3
Ethylbenzene	ND		5.0	0.34
Methylene chloride	ND		5.0	0.67
Styrene	ND		5.0	0.7
Tetrachloroethene	ND		5.0	0.49
Toluene	ND		5.0	0.25
Trichloroethene	ND		5.0	0.25
Vinyl acetate	ND		10	0.57
Vinyl chloride	ND		2.0	0.25
cis-1,2-Dichloroethene	ND		5.0	0.48
cis-1,3-Dichloropropene	ND		5.0	0.26
m,p-Xylene	ND		1.0	0.3
o-Xylene	ND		1.0	0.31
trans-1,2-Dichloroethene	ND		5.0	0.35
trans-1,3-Dichloropropene	ND		5.0	0.31
Xylenes,Total	ND		1.0	0.3
Surr: 1,2-Dichloroethane-d4	96.0		62-130	0
Surr: 4-Bromofluorobenzene	100.0		70-130	0
Surr: Toluene-d8	108.0		74-122	0

Laboratory Control Sample (LCS)

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08111134**
Method: **SW8260B** **Lab Batch ID:** **R258672**

RunID: K_081201D-4798804 Units: ug/L
Analysis Date: 12/01/2008 11:19 Analyst: LU_L
Preparation Date: 12/01/2008 11:19 Prep By: Method

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
1,1,1,2-Tetrachloroethane	20.0	20.0	100		71	136
1,1,1-Trichloroethane	20.0	18.0	90.0		66	132
1,1,2-Trichloroethane	20.0	21.0	105		70	130
1,1-Dichloroethane	20.0	19.0	95.0		67	131
1,1-Dichloroethene	20.0	17.0	85.0		71	146
1,1-Dichloropropene	20.0	18.0	90.0		59	138
1,2-Dibromoethane	20.0	21.0	105		63	126
2-Butanone	120	100	83.3		20	235
2-Hexanone	20.0	21.0	105		34	182
4-Methyl-2-pentanone	20.0	17.0	85.0		11	145
Acetone	200	160	80.0		13	386
Benzene	20.0	20.0	100		76	126
Bromodichloromethane	20.0	19.0	95.0		77	138
Bromoform	20.0	18.0	90.0		55	129
Bromomethane	20.0	18.0	90.0		58	148
Carbon disulfide	20.0	17.0	85.0		46	146
Carbon tetrachloride	20.0	18.0	90.0		66	137
Chlorobenzene	20.0	21.0	105		67	136
Chloroethane	20.0	17.0	85.0		50	137
Chloroform	20.0	18.0	90.0		70	135
Chloromethane	20.0	18.0	90.0		51	140
Dibromochloromethane	20.0	19.0	95.0		69	127
Dibromomethane	20.0	19.0	95.0		74	130
Ethylbenzene	20.0	22.0	110		67	122
Methylene chloride	20.0	19.0	95.0		52	143
Styrene	20.0	21.0	105		60	139
Tetrachloroethene	20.0	22.0	110		26	200
Toluene	20.0	22.0	110		70	131
Trichloroethene	20.0	20.0	100		64	137
Vinyl acetate	20.0	18.0	90.0		10	193
Vinyl chloride	20.0	18.0	90.0		31	147
cis-1,2-Dichloroethene	20.0	19.0	95.0		70	142
cis-1,3-Dichloropropene	20.0	18.0	90.0		61	134
m,p-Xylene	40.0	42.0	105		72	150
o-Xylene	20.0	21.0	105		78	141

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
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(713) 660-0901

Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08111134**
Method: **SW8260B** **Lab Batch ID:** **R258672**

Laboratory Control Sample (LCS)

RunID: K_081201D-4798804 Units: ug/L
Analysis Date: 12/01/2008 11:19 Analyst: LU_L
Preparation Date: 12/01/2008 11:19 Prep By: Method

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
trans-1,2-Dichloroethene	20.0	19.0	95.0		67	141
trans-1,3-Dichloropropene	20.0	17.0	85.0		56	136
Xylenes,Total	60	63	100		72	150
Surr: 1,2-Dichloroethane-d4	50.0	47	94.0		62	130
Surr: 4-Bromofluorobenzene	50.0	53	106		70	130
Surr: Toluene-d8	50.0	55	110		74	122

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08111324-01
RunID: K_081201D-4798807 Units: ug/L
Analysis Date: 12/01/2008 15:23 Analyst: LU_L

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
1,1,1,2-Tetrachloroethane	ND		1000	1100	110		1000	1000	100		9.52		20	35	175
1,1,1-Trichloroethane	ND		1000	970	97.0		1000	980	98.0		1.03		20	35	175
1,1,2-Trichloroethane	ND		1000	1100	110		1000	1000	100		9.52		20	35	175
1,1-Dichloroethane	ND		1000	990	99.0		1000	930	93.0		6.25		20	35	175
1,1-Dichloroethene	ND		1000	950	95.0		1000	990	99.0		4.12		22	61	145
1,1-Dichloropropene	ND		1000	980	98.0		1000	950	95.0		3.11		20	35	175
1,2-Dibromoethane	ND		1000	1100	110		1000	1000	100		9.52		20	35	175
2-Butanone	ND		1000	850	85.0		1000	670	67.0		23.7	*	20	10	230
2-Hexanone	ND		1000	900	90.0		1000	790	79.0		13.0		20	10	250
4-Methyl-2-pentanone	ND		1000	880	88.0		1000	850	85.0		3.47		20	10	175
Acetone	ND		5000	2600	52.0		5000	2600	52.0		0		20	10	400
Benzene	380		1000	1400	102		1000	1400	102		0		22	76	127
Bromodichloromethane	ND		1000	990	99.0		1000	960	96.0		3.08		20	35	175
Bromoform	ND		1000	900	90.0		1000	830	83.0		8.09		20	35	175
Bromomethane	ND		1000	1000	100		1000	1000	100		0		20	35	175
Carbon disulfide	ND		1000	980	98.0		1000	980	98.0		0		20	30	225
Carbon tetrachloride	ND		1000	940	94.0		1000	940	94.0		0		20	35	175

Qualifiers:
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J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
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TNTC - Too numerous to count
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D - Recovery Unreportable due to Dilution
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08111134**
Method: **SW8260B** **Lab Batch ID:** **R258672**

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08111324-01
RunID: K_081201D-4798807 Units: ug/L
Analysis Date: 12/01/2008 15:23 Analyst: LU_L

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
Chlorobenzene	ND		1000	1100	110		1000	1100	110		0		21	70	130
Chloroethane	ND		1000	970	97.0		1000	950	95.0		2.08		20	35	175
Chloroform	ND		1000	900	90.0		1000	900	90.0		0		20	35	175
Chloromethane	ND		1000	1000	100		1000	1000	100		0		20	35	175
Dibromochloromethane	ND		1000	990	99.0		1000	960	96.0		3.08		20	35	175
Dibromomethane	ND		1000	1000	100		1000	1000	100		0		20	35	175
Ethylbenzene	1400		1000	2500	110		1000	2400	100		4.08		20	35	175
Methylene chloride	ND		1000	1000	100		1000	1000	100		0		20	35	175
Styrene	ND		1000	1200	120		1000	1200	120		0		20	35	175
Tetrachloroethene	ND		1000	1100	110		1000	1100	110		0		20	30	250
Toluene	2800		1000	3800	100		1000	3800	100		0		24	70	131
Trichloroethene	ND		1000	1100	110		1000	1100	110		0		21	60	140
Vinyl acetate	ND		1000	940	94.0		1000	900	90.0		4.35		20	10	250
Vinyl chloride	ND		1000	1000	100		1000	1000	100		0		20	35	175
cis-1,2-Dichloroethene	ND		1000	1000	100		1000	1000	100		0		20	35	175
cis-1,3-Dichloropropene	ND		1000	980	98.0		1000	960	96.0		2.06		20	35	175
m,p-Xylene	6000		2000	8100	105		2000	8100	105		0		20	35	175
o-Xylene	2400		1000	3500	110		1000	3500	110		0		20	35	175
trans-1,2-Dichloroethene	ND		1000	1000	100		1000	1000	100		0		20	35	175
trans-1,3-Dichloropropene	ND		1000	930	93.0		1000	920	92.0		1.08		20	35	175
Xylenes,Total	8400		3000	11600	107		3000	11600	107		0		20	35	175
Surr: 1,2-Dichloroethane-d4	ND		2500	2400	96.0		2500	2400	96.0		0		30	62	130
Surr: 4-Bromofluorobenzene	ND		2500	2600	104		2500	2600	104		0		30	70	130
Surr: Toluene-d8	ND		2500	2800	112		2500	2700	108		3.64		30	74	122

Qualifiers:
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E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis:	**Volatile Organics by Method 8260B**	**WorkOrder:**	**08111134**
Method:	**SW8260B**	**Lab Batch ID:**	**R258902**

Method Blank

RunID:	K_081203A-4802403	Units:	ug/L
Analysis Date:	12/03/2008 11:13	Analyst:	LU_L
Preparation Date:	12/03/2008 11:13	Prep By:	Method

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08111134-02A	IW-5R
08111134-04A	201R
08111134-05A	35R

Analyte	Result	Qual	Rep Limit	MDL
1,1,1,2-Tetrachloroethane	ND		5.0	0.42
1,1,1-Trichloroethane	ND		5.0	0.25
1,1,2-Trichloroethane	ND		5.0	0.38
1,1-Dichloroethane	ND		5.0	0.28
1,1-Dichloroethene	ND		5.0	0.5
1,1-Dichloropropene	ND		5.0	0.35
1,2-Dibromoethane	ND		5.0	0.31
2-Butanone	ND		20	3.2
2-Hexanone	ND		10	0.47
4-Methyl-2-pentanone	ND		10	0.31
Acetone	ND		100	4.6
Benzene	ND		5.0	0.35
Bromodichloromethane	ND		5.0	0.25
Bromoform	ND		5.0	0.5
Bromomethane	ND		10	0.78
Carbon disulfide	ND		5.0	0.25
Carbon tetrachloride	ND		5.0	0.25
Chlorobenzene	ND		5.0	0.3
Chloroethane	ND		10	0.31
Chloroform	ND		5.0	0.24
Chloromethane	ND		10	0.3
Dibromochloromethane	ND		5.0	0.36
Dibromomethane	ND		5.0	0.3
Ethylbenzene	ND		5.0	0.34
Methylene chloride	ND		5.0	0.67
Styrene	ND		5.0	0.7
Tetrachloroethene	ND		5.0	0.49
Toluene	ND		5.0	0.25
Trichloroethene	ND		5.0	0.25
Vinyl acetate	ND		10	0.57
Vinyl chloride	ND		2.0	0.25
cis-1,2-Dichloroethene	ND		5.0	0.48
cis-1,3-Dichloropropene	ND		5.0	0.26
m,p-Xylene	ND		1.0	0.3
o-Xylene	ND		1.0	0.31
trans-1,2-Dichloroethene	ND		5.0	0.35
trans-1,3-Dichloropropene	ND		5.0	0.31
Xylenes,Total	ND		1.0	0.3
Surr: 1,2-Dichloroethane-d4	100.0		62-130	0
Surr: 4-Bromofluorobenzene	102.0		70-130	0
Surr: Toluene-d8	108.0		74-122	0

Laboratory Control Sample (LCS)

Qualifiers:
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08111134**
Method: **SW8260B** **Lab Batch ID:** **R258902**

RunID: K_081203A-4802402 Units: ug/L
Analysis Date: 12/03/2008 10:28 Analyst: LU_L
Preparation Date: 12/03/2008 10:28 Prep By: Method

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
1,1,1,2-Tetrachloroethane	20.0	21.0	105		71	136
1,1,1-Trichloroethane	20.0	20.0	100		66	132
1,1,2-Trichloroethane	20.0	21.0	105		70	130
1,1-Dichloroethane	20.0	20.0	100		67	131
1,1-Dichloroethene	20.0	19.0	95.0		71	146
1,1-Dichloropropene	20.0	20.0	100		59	138
1,2-Dibromoethane	20.0	22.0	110		63	126
2-Butanone	120	100	83.3		20	235
2-Hexanone	20.0	19.0	95.0		34	182
4-Methyl-2-pentanone	20.0	22.0	110		11	145
Acetone	200	170	85.0		13	386
Benzene	20.0	20.0	100		76	126
Bromodichloromethane	20.0	22.0	110		77	138
Bromoform	20.0	21.0	105		55	129
Bromomethane	20.0	17.0	85.0		58	148
Carbon disulfide	20.0	18.0	90.0		46	146
Carbon tetrachloride	20.0	21.0	105		66	137
Chlorobenzene	20.0	21.0	105		67	136
Chloroethane	20.0	19.0	95.0		50	137
Chloroform	20.0	19.0	95.0		70	135
Chloromethane	20.0	19.0	95.0		51	140
Dibromochloromethane	20.0	21.0	105		69	127
Dibromomethane	20.0	22.0	110		74	130
Ethylbenzene	20.0	22.0	110		67	122
Methylene chloride	20.0	18.0	90.0		52	143
Styrene	20.0	21.0	105		60	139
Tetrachloroethene	20.0	22.0	110		26	200
Toluene	20.0	21.0	105		70	131
Trichloroethene	20.0	21.0	105		64	137
Vinyl acetate	20.0	21.0	105		10	193
Vinyl chloride	20.0	20.0	100		31	147
cis-1,2-Dichloroethene	20.0	21.0	105		70	142
cis-1,3-Dichloropropene	20.0	20.0	100		61	134
m,p-Xylene	40.0	44.0	110		72	150
o-Xylene	20.0	21.0	105		78	141

Qualifiers:
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J - Estimated value between MDL and PQL
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis:	**Volatile Organics by Method 8260B**	**WorkOrder:**	**08111134**
Method:	**SW8260B**	**Lab Batch ID:**	**R258902**

Laboratory Control Sample (LCS)

RunID:	K_081203A-4802402	Units:	ug/L
Analysis Date:	12/03/2008 10:28	Analyst:	LU_L
Preparation Date:	12/03/2008 10:28	Prep By:	Method

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
trans-1,2-Dichloroethene	20.0	19.0	95.0		67	141
trans-1,3-Dichloropropene	20.0	21.0	105		56	136
Xylenes,Total	60	65	110		72	150
Surr: 1,2-Dichloroethane-d4	50.0	49	98.0		62	130
Surr: 4-Bromofluorobenzene	50.0	54	108		70	130
Surr: Toluene-d8	50.0	53	106		74	122

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked:	08111134-05		
RunID:	K_081203A-4802406	Units:	ug/L
Analysis Date:	12/03/2008 13:08	Analyst:	LU_L

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
1,1,1,2-Tetrachloroethane	ND		20	19.0	95.0		20	19.0	95.0		0		20	35	175
1,1,1-Trichloroethane	ND		20	18.0	90.0		20	19.0	95.0		5.41		20	35	175
1,1,2-Trichloroethane	ND		20	19.0	95.0		20	19.0	95.0		0		20	35	175
1,1-Dichloroethane	ND		20	18.0	90.0		20	18.0	90.0		0		20	35	175
1,1-Dichloroethene	ND		20	18.0	90.0		20	18.0	90.0		0		22	61	145
1,1-Dichloropropene	ND		20	19.0	95.0		20	19.0	95.0		0		20	35	175
1,2-Dibromoethane	ND		20	20.0	100		20	20.0	100		0		20	35	175
2-Butanone	ND		20	13.0	65.0		20	14.0	70.0		7.41		20	10	230
2-Hexanone	ND		20	14.0	70.0		20	13.0	65.0		7.41		20	10	250
4-Methyl-2-pentanone	ND		20	19.0	95.0		20	19.0	95.0		0		20	10	175
Acetone	ND		100	36.0	36.0		100	36.0	36.0		0		20	10	400
Benzene	4.00	J	20	24.0	100		20	24.0	100		0		22	76	127
Bromodichloromethane	ND		20	19.0	95.0		20	19.0	95.0		0		20	35	175
Bromoform	ND		20	18.0	90.0		20	17.0	85.0		5.71		20	35	175
Bromomethane	ND		20	17.0	85.0		20	17.0	85.0		0		20	35	175
Carbon disulfide	ND		20	17.0	85.0		20	17.0	85.0		0		20	30	225
Carbon tetrachloride	ND		20	19.0	95.0		20	19.0	95.0		0		20	35	175

Qualifiers:
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J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
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Quality Control Report

Enovis, Inc.

E101274, Tibbetts Road

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **08111134**
Method: **SW8260B** **Lab Batch ID:** **R258902**

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08111134-05
RunID: K_081203A-4802406 Units: ug/L
Analysis Date: 12/03/2008 13:08 Analyst: LU_L

Analyte	Sample Result	Smp Qual	MS Spike Added	MS Result	MS % Rcvry	MS Qual	MSD Spike Added	MSD Result	MSD % Rcvry	MSD Qual	RPD	RPD Qual	RPD Limit	Low Limit	High Limit
Chlorobenzene	ND		20	19.0	95.0		20	20.0	100		5.13		21	70	130
Chloroethane	ND		20	17.0	85.0		20	17.0	85.0		0		20	35	175
Chloroform	ND		20	18.0	90.0		20	18.0	90.0		0		20	35	175
Chloromethane	ND		20	17.0	85.0		20	17.0	85.0		0		20	35	175
Dibromochloromethane	ND		20	19.0	95.0		20	19.0	95.0		0		20	35	175
Dibromomethane	ND		20	20.0	100		20	19.0	95.0		5.13		20	35	175
Ethylbenzene	ND		20	20.0	100		20	19.0	95.0		5.13		20	35	175
Methylene chloride	ND		20	17.0	85.0		20	17.0	85.0		0		20	35	175
Styrene	ND		20	19.0	95.0		20	19.0	95.0		0		20	35	175
Tetrachloroethene	2.00	J	20	22.0	100		20	22.0	100		0		20	30	250
Toluene	ND		20	19.0	95.0		20	19.0	95.0		0		24	70	131
Trichloroethene	5.00		20	26.0	105		20	26.0	105		0		21	60	140
Vinyl acetate	ND		20	18.0	90.0		20	18.0	90.0		0		20	10	250
Vinyl chloride	ND		20	18.0	90.0		20	18.0	90.0		0		20	35	175
cis-1,2-Dichloroethene	7.00		20	25.0	90.0		20	25.0	90.0		0		20	35	175
cis-1,3-Dichloropropene	ND		20	19.0	95.0		20	19.0	95.0		0		20	35	175
m,p-Xylene	ND		40	39.0	97.5		40	39.0	97.5		0		20	35	175
o-Xylene	ND		20	19.0	95.0		20	19.0	95.0		0		20	35	175
trans-1,2-Dichloroethene	ND		20	18.0	90.0		20	18.0	90.0		0		20	35	175
trans-1,3-Dichloropropene	ND		20	19.0	95.0		20	19.0	95.0		0		20	35	175
Xylenes,Total	ND		60	58	97		60	58	97		0		20	35	175
Surr: 1,2-Dichloroethane-d4	ND		50	50	100		50	50.0	100		0		30	62	130
Surr: 4-Bromofluorobenzene	ND		50	53	106		50	53.0	106		0		30	70	130
Surr: Toluene-d8	ND		50	53	106		50	53.0	106		0		30	74	122

Qualifiers:
ND/U - Not Detected at the Method Detection Limit
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B/V - Analyte detected in the associated Method Blank
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

Sample Receipt Checklist

And

Chain of Custody

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Sample Receipt Checklist

Workorder:	**08111134**	Received By:	**L_C**
Date and Time Received:	**11/22/2008 10:30:00 AM**	Carrier name:	**Fedex-Priority**
Temperature:	**4.0°C**	Chilled by:	**Water Ice**

1.	**Shipping container/cooler in good condition?**	Yes ☑	No ☐	Not Present ☐
2.	**Custody seals intact on shippping container/cooler?**	Yes ☑	No ☐	Not Present ☐
3.	**Custody seals intact on sample bottles?**	Yes ☐	No ☐	Not Present ☑
4.	**Chain of custody present?**	Yes ☑	No ☐	
5.	**Chain of custody signed when relinquished and received?**	Yes ☑	No ☐	
6.	**Chain of custody agrees with sample labels?**	Yes ☑	No ☐	
7.	**Samples in proper container/bottle?**	Yes ☑	No ☐	
8.	**Sample containers intact?**	Yes ☑	No ☐	
9.	**Sufficient sample volume for indicated test?**	Yes ☑	No ☐	
10.	**All samples received within holding time?**	Yes ☑	No ☐	
11.	**Container/Temp Blank temperature in compliance?**	Yes ☑	No ☐	
12.	**Water - VOA vials have zero headspace?**	Yes ☑	No ☐	VOA Vials Not Present ☐
13.	**Water - Preservation checked upon receipt (except VOA*)?**	Yes ☑	No ☐	Not Applicable ☐

***VOA Preservation Checked After Sample Analysis**

SPL Representative: _____ **Contact Date & Time:** _____

Client Name Contacted: _____

Non Conformance Issues: _____

Client Instructions: _____

SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No. 312497

08111134

page 1 of 1

Client Name: Arcadis

Address: 2 Executive Dr #303 Chelmsford MA 01824

Phone/Fax: 9789379999

Client Contact: Debra Stake Email:

Project Name/No.: MA0007250003001C4

Site Name: FCRD

Site Location: Tibbetts Road

Invoice To: Ph:

SAMPLE ID	DATE	TIME	comp	grab	matrix (W=water S=soil O=oil SL=sludge X=other)	bottle (P=plastic A=amber glass G=glass V=vial X=other)	size (1=1 liter 4=4oz 40=vial 8=8oz 16=16oz X=other)	pres. (1=HCl 2=HNO3 3=H2SO4 X=other)	Number of Containers	VOC 8260CB	As Mn 6010B	dissolved As/Mn 6010B	Ethene Ethane Methane RSK-147					
Trip Blank	—	—	—		W	V	40	1	2	X								
1W-5R	11-21-08	1020		X	W	P/V	40/16	1/2	4	X	X							
203R	11-21-08	1235		X	W	P/V	40/16	1/2	5	X	X	X						
201R	11-21-08	1040		X	W	P/V	40/16	1/2	4	X	X							
35R	11-21-08	1225		X	W	P/V	40/16	1/2	4	X	X							

Client/Consultant Remarks: Enovis # E101274

Laboratory remarks:

Intact? ☐Y ☐N

Ice? ☐Y ☐N

Temp: 4.0°C

Requested TAT

Contract ☐ 72hr ☐

24hr ☐ Standard ☒

48hr ☐

Other ☐ _____

Special Reporting Requirements Results: Fax ☐ Email ☐ PDF ☐

Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐ TX TRRP ☐ LA RECAP ☐

Special Detection Limits (specify):

PM review (initial):

1. Relinquished by Sampler: Diane Champagne	date 11/21/08	time 1500	2. Received by:
3. Relinquished by:	date	time	4. Received by:
5. Relinquished by:	date 11/22/08	time 10:30	6. Received by Laboratory:

☒ 8880 Interchange Drive
Houston, TX 77054 (713) 660-0901

☐ 500 Ambassador Caffery Parkway
Scott, LA 70583 (337) 237-4775

☐ 459 Hughes Drive
Traverse City, MI 49686 (231) 947-5777