FINAL REPORT

Improved Understanding of Sources of Variability in Groundwater Sampling for Long-Term Monitoring Programs

SERDP Project ER-1705

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14. ABSTRACT

Objective: The overall objective of this research project has been to identify key sources of variability that influence volatile organic chemical (VOC) concentration measurements in water samples collected from groundwater monitoring wells using current sampling and analysis techniques. By understanding the sources of variability in groundwater monitoring results improved sampling and analysis methods can be developed to reduce and control for sampling variability. Methods: The project has been implemented through completion of three project tasks 1. Evaluation of Existing Datasets (Task 1): The initial project task utilized large existing groundwater monitoring datasets to identify key sources of variability in groundwater monitoring results. The data mining study involved i) identification of large databases of groundwater monitoring results, ii) selection of datasets from these databases that were suitable for statistical analysis, and iii) exploratory analysis and statistical analysis of the datasets to identify factors associated with monitoring variability. For this task, we identified three large groundwater monitoring databases: i) the Hill Air Force Base (AFB) database, ii) the Marine Corps Logistics Base (MCLB) Albany database, and iii) a database of monitoring results from 48 underground storage tank sites compiled by GSI. Because the Hill AFB database included the most comprehensive documentation, many of the analyses could only be conducted using the Hill AFB database. 2. Evaluation of Short-Term Variability (Task 2): For this task, we characterized sources of short-term variability in groundwater monitoring results through a field program that involved collecting and analyzing a large number of groundwater samples from a set of monitoring wells over a short period of time. We identified eighteen wells at Hill AFB for sampling including six low variability wells, six medium variability wells, and six high variability wells as determined by the analysis of the Hill AFB groundwater database conducted in Task 1. An intensive sampling program was conducted at each of the wells consisting of the following elements: i) collection of a series of samples from the middle of the well screen by low-flow sampling over a defined range of purge volumes, ii) measurement of ambient vertical flow within the screened interval of the well, iii) collection of samples from the top, middle, and bottom of the well screen by passive sampling, iv) collection of samples from the top, middle, and bottom of the well screen by low-flow sampling, and v) collection of a second series of samples from the middle of the well screen by low-flow sampling over a defined range of purge volumes 3. Methods to Reduce Short-Term Variability (Task 3): For this task, we evaluated the effect of sample collection method on monitoring variability and evaluated whether

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SERDP PROJECT NO. ER-1705 FINAL REPORT
Improved Understanding of Sources of Variability in Groundwater Sampling for Long-Term Monitoring Programs

1. ABSTRACT

Objective: The overall objective of this research project has been to identify key sources of variability that influence volatile organic chemical (VOC) concentration measurements in water samples collected from groundwater monitoring wells using current sampling and analysis techniques. By understanding the sources of variability in groundwater monitoring results, improved sampling and analysis methods can be developed to reduce and control for sampling variability.

Methods: The project has been implemented through completion of three project tasks:

1. Evaluation of Existing Datasets (Task 1)**:** The initial project task utilized large existing groundwater monitoring datasets to identify key sources of variability in groundwater monitoring results. The data mining study involved i) identification of large databases of groundwater monitoring results, ii) selection of datasets from these databases that were suitable for statistical analysis, and iii) exploratory analysis and statistical analysis of the datasets to identify factors associated with monitoring variability. For this task, we identified three large groundwater monitoring databases: i) the Hill Air Force Base (AFB) database, ii) the Marine Corps Logistics Base (MCLB) Albany database, and iii) a database of monitoring results from 48 underground storage tank sites compiled by GSI. Because the Hill AFB database included the most comprehensive documentation, many of the analyses could only be conducted using the Hill AFB database.

2. Evaluation of Short-Term Variability (Task 2)**:** For this task, we characterized sources of short-term variability in groundwater monitoring results through a field program that involved collecting and analyzing a large number of groundwater samples from a set of monitoring wells over a short period of time. We identified eighteen wells at Hill AFB for sampling including six low variability wells, six medium variability wells, and six high variability wells as determined by the analysis of the Hill AFB groundwater database conducted in Task 1. An intensive sampling program was conducted at each of the wells consisting of the following elements: i) collection of a series of samples from the middle of the well screen by low-flow sampling over a defined range of purge volumes, ii) measurement of ambient vertical flow within the screened interval of the well, iii) collection of samples from the top, middle, and bottom of the well screen by passive sampling, iv) collection of samples from the top, middle, and bottom of the well screen by low-flow sampling, and v) collection of a second series of samples from the middle of the well screen by low-flow sampling over a defined range of purge volumes

3. Methods to Reduce Short-Term Variability (Task 3): For this task, we evaluated the effect of sample collection method on monitoring variability and evaluated whether improved sampling methods and procedures could reduce the short-term variability in groundwater monitoring results. The field program involved collecting samples from a set of eight monitoring wells using five different sample collection methods. Each method was used for three sampling events, resulting in a total of 15 sampling events. The five sampling methods evaluated were: i) Low-Flow Sampling with Purge to Parameter

Stability (reference method), ii) Low-Flow Sampling with Constant 24L Volume Purge, iii) No Purge Low-Flow Sampling **without** In-Well Mixing, iv) SNAP (No Purge Passive Sampling), and v) No Purge Low-Flow Sampling **with** In-Well Mixing.

Project Findings: The results from the three tasks together support the following observations:

- For chlorinated solvents, the long-term change in concentration is typically slow: Attenuation half-lives are usually greater than five years and are often greater than 10 years.

- Most concentration change in monitoring records is due to short-term variability: Most of the variability in conventional groundwater monitoring records based on quarterly or semi-annual monitoring of conventional monitoring wells is attributable to short-term variability rather than long-term changes in constituent concentrations. Only 30% to 40% of the variability is due to the long-term trend. Monitoring less frequently (i.e., an average frequency of once per year or less), will improve the efficiency of long-term monitoring.

- There are large differences in the amount of short-term variability between different monitoring wells: Within a single plume or site, there can be large differences in short-term variability between monitoring wells. Identifiable characteristics (e.g., aquifer permeability, depth of well screen below water table, depth to groundwater, and well location within the plume) explain only a small amount of the observed differences in variability.

- Sample collection methods and procedures can affect short-term monitoring variability: The specific sample collection methods and procedures used to collect groundwater samples from monitoring wells can affect short-term variability. Certain types of no-purge sampling may serve to increase monitoring variability. When using low-flow purge and sample collection methods, the consistent use of certain sampling procedures such as ensuring a constant sample collection depth within the screened interval, using the bottom fill procedure for VOA vials, and not removing small bubbles from VOA vials can reduce variability.

Recommendations to Improve Long-Term Monitoring Programs:

1. Monitor annually or less frequently;
2. Consider monitoring schemes that vary the time period between sample collection;
3. Utilize improved groundwater sampling procedures;
4. Watch out for stratified wells;
5. Don't collect field duplicates;
6. Don't overreact to short-term concentration changes; and
7. Consider replacing highly variable monitoring wells.

2. OBJECTIVE

2.1 General Objective

The general objective of this research project has been to identify key sources of variability that influence VOC concentration measurements in water samples collected from groundwater monitoring wells using current sampling and analysis techniques.

2.2 Hypotheses

The project was designed to test two hypotheses:

1. ***In addition to sample collection and analytical methods, other specific sources of monitoring variability such as aquifer and well dynamics can be identified and quantified:*** Currently, the variability in monitoring data due to sample collection, sample handling, and laboratory analysis is relatively well understood and typically accounts for a small fraction of the total variability in the monitoring results. Our hypothesis is that specific aquifer and well characteristics are significant sources of the remaining variability in monitoring results and that the contribution of these specific characteristics can be quantified through careful study. These characteristics include, but are not limited to, the aquifer permeability, aquifer heterogeneity, the presence of a confining layer above the aquifer, screen length within the well, the presence of a water column in the well above the screen, and the degree of vertical flow in the well.

2. ***The variability in groundwater monitoring can be reduced through the use of engineered methods incorporated into the monitoring program.*** An improved understanding of the specific sources of variability in groundwater monitoring results will support the development of tools and methods to control this variability. In addition, improved data analysis tools designed to account for specific sources of variability might reduce the impact of this variability on the ability to understand underlying trends. Understanding the sources of monitoring variability is also critical to the design of effective control strategies.

2.3 Specific Objectives

To test these hypotheses and to better understand the contribution of different sources of variability to overall monitoring variability, the specific technical objectives of this three-year research project were as follows:

1. Identify and quantify key sources of variability that impact VOC concentration measurements in water samples collected from groundwater monitoring wells using a combination of existing datasets from long-term monitoring (LTM) programs at Department of Defense (DoD) and other facilities (Task 1).
2. Validate the findings and fill data gaps in existing datasets through the collection of additional groundwater monitoring data from wells in different hydrogeologic settings using different sample collection methods (Task 2).

3. Based on our improved understanding of the sources of variability developed in Task 2, test specific engineered methods to reduce the variability in groundwater monitoring results (Task 3).

Results from Tasks 1 and 2 were presented in interim reports issued in January 2010 and January 2011 (GSI Environmental, 2010; GSI Environmental, 2011a). This report presents the methods and results from Task 3 along with comprehensive results for the entire project.

The specific objective of Task 3 was to test our hypothesis concerning the relationship between sample collection method and short-term monitoring variability:

> *Minor variations in sample collection methods from event to event (e.g., different intake depth for the sample pump, varying the amount of water pumped before sample collection, etc.) can contribute to high temporal variability in groundwater monitoring results. However, minor modifications to existing groundwater sampling methods can reduce the event-to-event differences in sample collection. This will result in a measureable reduction in variability in groundwater monitoring results.*

This hypothesis was tested through a field program that involved collecting samples from a set of eight monitoring wells using five different sample collection methods. Each method was used for three sampling events, resulting in a total of 15 sampling events. The five sampling methods are summarized in Table 2.1.

Table 2.1 Sampling Methods Included in Task 3 Field Program

Long Name	Short Name
1) Low-Flow Sampling with Purge to Parameter Stability (reference method)	Low-Flow Purge PS
2) Low-Flow Sampling with Constant 24L Volume Purge	Low-Flow 24L Purge
3) No Purge Low-Flow Sampling **without** In-Well Mixing	No Purge LF without Mixing
4) SNAP (No Purge Passive Sampling; http://www.snapsampler.com)	No Purge SNAP
5) No Purge Low-Flow Sampling **with** In-Well Mixing	No Purge LF with Mixing

For all methods (including the reference method), we utilized sampling procedures that included ensuring that each sample was collected from the same depth interval, using the “bottom fill” method to fill VOA vials, and not re-opening VOA vials to remove small bubbles. Based on the Task 3 hypothesis, we expected to observe lower variability in results obtained using the “improved” sample collection methods compared to the conventional sample collection methods. Specifically, as a result of these improved sampling procedures, we expected the variability associated with the reference method to be lower than that observed in the historic dataset collected using the same sampling method (i.e., Low-Flow Purge PS) without the improved procedures.

2.4 Report Organization

Section 3 presents the technical background for the project.

Sections 4 and 5 of this report present the methods and results for Task 3. Section 6 reviews the methods and results for the project as a whole. Section 7 summarizes the overall project conclusions and recommendations for further research. References are listed in Section 8.

3. BACKGROUND

The purposes of this project were to i) provide an improved understanding of the sources of variability in groundwater monitoring results and ii) based on this understanding, develop methods to reduce or control monitoring variability. The following tasks were completed to meet the project objectives:

Task 1: Analysis of Sources of Variability in Existing Groundwater Monitoring Datasets
Task 2: Field Sampling Program to Validate Database Findings and Fill Data Gaps
Task 3: Field Testing of Engineered Methods to Control Monitoring Variability

3.1 SERDP Relevance

Current groundwater monitoring programs in the U.S. Air Force, Army, and Navy represent estimated liabilities of $150 to $160 million annually, comprising a significant portion of life-cycle remediation costs.

The goals of LTM programs include i) guarding against the migration of constituents away from the defined areas of impact (i.e., protect receptors), and ii) monitoring the progress of groundwater remediation programs. To meet these goals, LTM programs need to generate high-quality data by selecting monitoring points in appropriate locations and a sampling frequency that is adequate to monitor and evaluate trends at the site (USEPA, 2004; AFCEE, 2006). To ensure data quality, limits on analytical variability measured using laboratory duplicate samples (e.g., a relative percent difference (RPD) of 20%) and limits on sampling variability using field duplicates (e.g., an RPD of 30%) are established. If these data quality objectives are met, then the remaining variability in monitoring results is generally accepted as inherent to the nature of any monitoring system. However, for many monitoring programs this remaining variability is much higher than the objectives for sampling and analytical variability. This high variability makes it more difficult to evaluate protection of receptors and remediation progress. Oftentimes, the only recommended course of action is to conduct more intensive monitoring because larger amounts of data are necessary to compensate for the high variability and identify true spatial and temporal trends in the groundwater plume.

The purpose of this project is to address a significant barrier to the implementation of more streamlined groundwater monitoring programs: the understanding and controlling of sources of variability in groundwater monitoring results.

3.2 Technical Rationale

Groundwater monitoring programs are known to have considerable scatter in the data (i.e., high variability). Pankow and Cherry (1996) describe how "*extreme temporal variations in dissolved concentrations*" are often observed in wells used for sampling dense non-aqueous phase liquid (DNAPL) source zones. A U.S. EPA Issue Paper regarding natural attenuation rate calculations (Newell et al., 2002) describes how "*there is natural scatter in the long-term monitoring data.*" The paper presents a case study with

"…long-term ground-water monitoring data from three wells at a gasoline release site in

New Jersey. Their original data displayed extreme oscillations with concentrations bouncing from a high value down to the analytical detection limit of 1 µg/L, and then back to a high value over sequential sampling intervals. …. the scatter in the data set is typical of the variation seen at many other sites…"

In a large scale data mining endeavor conducted for SERDP, Newell et al. (2006) analyzed long-term temporal trends in source zone concentrations at 23 untreated chlorinated solvent sites and noted that "*a large variation in concentration trends [was] evident for each constituent*." This variability can be seen in concentration vs. time graphs for both the raw data and normalized data sets (Figure 3.1). In these graphs, high temporal variability in the monitoring results is visually evident despite the use of log scale for the concentration results. This high variability decreased the ability to identify temporal trends in the data needed to better understand the effectiveness of natural attenuation.

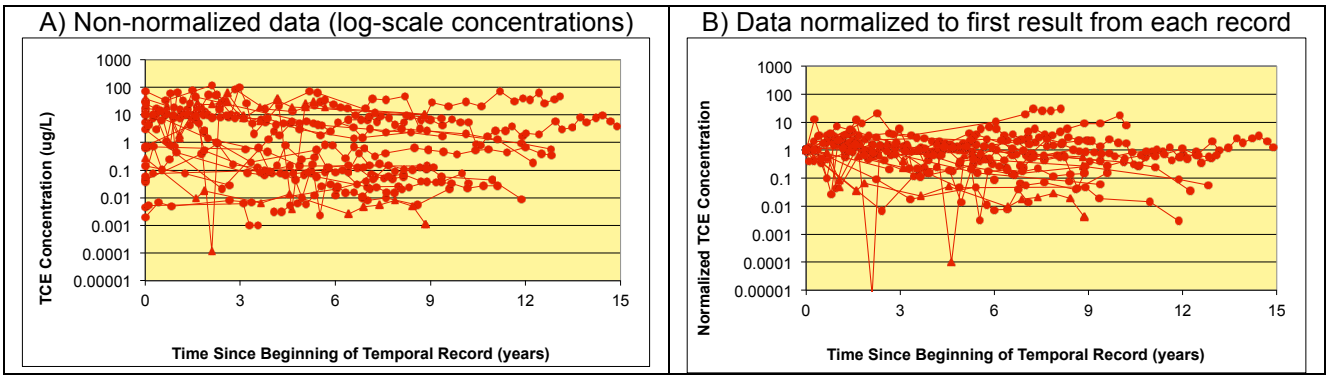

Figure 3.1 Long-term temporal trends in trichloroethylene (TCE) groundwater concentrations
Note: Data from 52 source zone monitoring wells at 23 untreated chlorinated solvents sites (Newell et al., 2006).

Most groundwater practitioners are familiar with this type of variability in groundwater monitoring data, and accept it as inherent to the nature of any monitoring system, even if they do not have sufficient means for understanding why this scatter exists at their particular site. There is a clear recognition that because there are multiple steps involved in obtaining a temporal concentration record from an aquifer, there are many opportunities for introducing variability into the dataset. Besides the analysis of field and laboratory duplicate samples, the underlying sources for this variability are rarely addressed using any sort of quantitative approach. Historically, statistical tools have been applied to control for seasonal variability in monitoring results, however, seasonal effects have been found to account for only a small fraction of temporal variability at most monitoring locations.

For this project, we are conducting basic research to quantify the underlying sources of variability in groundwater monitoring results. Although there has been no comprehensive effort to identify and quantify the major sources of variability, a number of published studies discuss specific sources of this variability. Based on our review of the available literature, the main potential sources of groundwater monitoring variability have been grouped into ***four*** general categories:

- ***Variability Source 1: Signal Variability.*** As discussed above, the basic goal of monitoring groundwater from a well is to understand the actual VOC concentration in

groundwater at a given point or small volume within the aquifer, and then use multiple measurements to identify spatial and temporal trends. Changes in VOC concentration may reflect real trends of interest such as a decrease due to source remediation. Alternatively, these changes may reflect variations in groundwater flow direction, water table fluctuation, or other short-term changes in the fate and transport of VOCs from the source to the monitoring point that are not directly related to the trends of interest (i.e., signal variability). The problem of signal variability is common to all sample collection methods because this source of variation in measured VOC concentration reflects real changes in VOC concentration in the aquifer at the monitoring point. An improved understanding of signal variability will support the development of data analysis tools to better identify the underlying concentration trend of interest.

- ***Variability Source 2: Aquifer and Well Dynamics.*** Monitoring accuracy can be reduced by dynamic aquifer and well factors that result in differences between the VOC concentration in a monitoring sample and the concentration in the aquifer adjacent to the monitoring well. Increasingly, it is thought that VOC concentrations in the aquifer are more variable and stratified than previously realized (e.g., Church and Granato, 1996; Powell and Puls, 1993; Ecli et al., 2001; Guilbeault et al., 2005), such that no single sample can provide a comprehensive characterization. However, variations in sample collection methods can significantly impact the monitoring results, with the best sampling approaches expected to provide a flow-weighted average measurement from the portion of the aquifer screened by the well (Hutchins and Acree, 2000).

  An improved understanding of both aquifer and well dynamics has led to the acceptance of a number of alternative sampling approaches to conventional sampling. In particular, studies of in-well groundwater flow indicate that natural mixing of groundwater within a monitoring well can minimize or eliminate the need for purging prior to collection of water samples. Work by Britt, 2005, Church and Granato, 1996, and others indicates that vertical flow and in-well mixing occur in many monitoring wells. This understanding of well dynamics is consistent with the finding that low-flow purge sampling methods (Barcelona et al., 2005) and no-purge sample collection methods (e.g., Newell et al., 2000; Vroblesky, 2001) yield results that can be used as a surrogate for traditional high-volume purge methods.

  Although, the validation studies for these new groundwater sample collection methods show little or no bias between the conventional high volume purge and the innovative low-flow and no purge methods, they do show high variability in the results obtained, with greater than 10x difference in measured VOC concentration between some paired samples. For the validation studies, this variability was considered acceptable and the researchers did not identify specific aquifer or well characteristics associated with the poor correlation between the sample collection methods (Barcelona, et al., 2005; Vroblesky, 2001). However, other researchers have identified certain factors (e.g., pump placement, in-well flow rate) that contribute to variability between results for samples collected using essentially the same sampling method (Martin-Hayden, 2000; Varljen et al., 2006). Specifically, in wells with vertical flow, changes in depth of the pump used for low-flow purging can have a large impact on the monitoring result. These and other studies suggest that the degree to which groundwater in the well is representative of the water in the formation may be a function of a number of factors related to both the hydrogeologic characteristics of the formation, as well as the construction and placement of the monitoring well.

A key component of this SERDP study is to identify and evaluate the impact of well and aquifer characteristics on the variability in VOC concentrations in groundwater monitoring samples. We expect that a better understanding of these factors will support the development of engineered methods to control these sources, resulting in a reduction in the overall variability in groundwater monitoring results.

- ***Variability Source 3: Sample Collection and Handling.*** VOCs, by their nature, move readily from water to air. As a result, VOC loss during sample collection and handling can contribute to variability between samples and loss of accuracy in monitoring. In conventional groundwater sampling for VOCs, the water sample is poured into a sampling vial and shipped to an off-site lab in an ice chest. Volatile losses from the groundwater can occur during traditional high volume purging and/or during sample collection and shipment. These factors are inherently difficult to control and are highly dependent on both the site characteristics and the expertise of the sampling personnel. The difference in variability between laboratory duplicate samples and field duplicate samples is typically attributable to sample collection and handling in the field. However, because field duplicates are collected by the same individual during a single sampling event, the variability between these samples does not account for the full impact of sample collection on monitoring variability. That is, field duplicates cannot evaluate the impact of variations in sample collection procedures between sample events. As a result, the evaluation of field duplicates under-represents the total variability associated with sample collection and handling.

- ***Variability Source 4: Sample Analysis.*** Monitoring accuracy depends on the accuracy, precision, and reproducibility of the laboratory analysis. Certified analytical laboratories must follow standard methods for sample analysis and data reporting. However, variability is introduced during the process because there is continuing opportunity for volatile losses during sample handling and processing (often by several different personnel). In addition, sample analysis variability can be caused by instrument noise, operator error, and other factors. Analytical variability is typically evaluated through the analysis of laboratory duplicate samples (i.e., the duplicate analysis of the same field sample); however, anecdotal evidence suggests that this approach may under-represent laboratory variability. Some project managers have reported more variability in blind duplicate samples compared to labeled duplicate samples suggesting that some laboratories may inadvertently use more careful procedures when analyzing known quality control samples compared to other samples. In addition, some practitioners have reported larger variability in duplicate samples analyzed by different laboratories compared to duplicate samples analyzed by the same laboratory, further suggesting sources of variability not captured by typical laboratory duplicate samples. For this project, the evaluation of large historic datasets allows us to better characterize the contribution of laboratory variability to the overall variability in groundwater monitoring results.

The Quality Assurance Project Plan (QAPP) required for DoD remedial investigation/feasibility study (RI/FS) and LTM projects typically includes requirements for collection and analysis of field and laboratory duplicate samples. As a result, the contributions of analytical variability (Variability Source 4) and sample collection and handling variability (Variability Source 3) are at least partially characterized. The data quality objectives in the QAPP typically include limits on the variability between laboratory duplicates (e.g., RPD < 20%) and field duplicates (e.g., RPD < 30%). However, as discussed above, these procedures provide only a limited evaluation of Variability Sources 3 and 4 and provide no information concerning the significance of signal variability (Variability Source 1) or in-well dynamics caused by aquifer and well characteristics

(Variability Source 2). Variability not characterized by field and laboratory duplicates is currently considered to be inherent to the nature of groundwater monitoring, and is compensated for by increasing the intensity of the monitoring program. However, if this variability can be understood and reduced, then more cost-effective monitoring can be conducted.

In addition to supporting the implementation of streamlined LTM programs, an improved understanding of the site-specific sources of variability in groundwater monitoring results will improve our ability to develop and validate innovative monitoring technologies. These technologies potentially include in-well sensors and vapor-phase monitoring protocols for groundwater monitoring wells. In addition, it may be possible to validate such technologies for specific well designs or hydrogeologic settings while identifying other site conditions where traditional sampling methods are more appropriate.

3.3 Related Projects

This SERDP project has been completed in conjunction with two related SERDP projects that have also provided new insights into sources of variability in groundwater monitoring results:

1. ER-1601, New Cost-Effective Method for Long-Term Groundwater Monitoring Programs: The primary objective of this project was to evaluate the accuracy and cost of vapor-phase groundwater monitoring technologies. However, the project also evaluated the influence of seasonally varying vertical temperature gradients on in-well mixing and variability in groundwater monitoring results.

2. ER-1704, An Assessment of Aquifer/Well Flow Dynamics: Identification of Parameters Key to Passive Sampling and Application of Downhole Sensor Technologies: The objective of this project was to develop a comprehensive understanding and description of how contaminant concentrations measured in a well using either passive sampling devices or in-situ sensors relate to contaminant concentrations in the surrounding formation.

4. TASK 3 FIELD PROGRAM: MATERIALS AND METHODS

The objective of the Task 3 field program was to evaluate the effect of sample collection methods on short term monitoring variability. The field program involved three sampling events for each of five sample collection methods at eight monitoring wells.

4.1 Site Selection

Nine candidate sites in the Houston area were reviewed for the field program. To reduce travel costs, only sites within 100 miles of the GSI Houston office were considered. Sites with chlorinated VOCs in groundwater, 2-inch monitoring wells, and long term groundwater monitoring programs in place were given preference over other sites. After the first round of site selection, three sites were retained based on these criteria.

Two of the three retained sites were eliminated from the selection process due to concerns about site access (security restrictions or interference with active facility operations) or purge water storage and disposal. The remaining site met all the selection criteria and had no access or disposal concerns. Implementing the field program at a single site ensured that each sampling event could be completed in a day or less, which minimized travel and mobilization costs and improved sampling efficiency.

The selected site is a former industrial waste disposal area that received tars, acids, resins, and other aqueous and non-aqueous materials. In general, surface soils (<5 feet below ground surface [ft bgs]) consist of clays and silty sands, and subsurface soils consist of interbedded sands, silty sands, and silt. Groundwater is generally encountered at 8 to 10 ft bgs, and is classified as non-potable due to high concentrations of total dissolved solids.

4.2 Design of Field Sampling Program

4.2.1 Monitoring Well Selection

At the demonstration site, monitoring wells were selected for consideration based on the detection of one or more chlorinated VOCs. Eight wells were selected from the pool of candidate wells to cover a range of screened intervals below ground surface and screened intervals below the depth to water within the well (Table 4.1).

Table 4.1 Wells Selected for Task 3 Field Program

Well ID	Well Diameter	Total Depth (ft BGS)	Screen Interval (ft BGS)	Typical Depth to Water (ft TOC)	Primary VOCs[1]
MW-65	2-inch	20	10-20	4.8	1,1-DCE Benzene c-1,2-DCE PCE t-1,2-DCE TCE VC
MW-66	2-inch	23	13-23	9.1	1,1,2-TCA 1,2-DCA Benzene VC
MW-68	2-inch	23	13-23	8.2	Benzene t-1,2-DCE VC
MW-4	2-inch	21	8-18	9.1	Benzene 1,2-DCA 1,1-DCE c-1,2-DCE t-1,2-DCE MC TCE VC
MW-8	2-inch	19	9-19	12.4	Benzene t-1,2-DCE MC VC
MW-40	4-inch	18	13-18	9.2	Benzene VC
MW-71	2-inch	20	10-20	4.8	Benzene VC
MW-11	2-inch	33	20-30	9.8	1,2-DCA c-1,2-DCE t-1,2-DCE MC TCE VC

Note: 1) Primary VOCs expected in monitoring well based on review of historic monitoring data: 1,2-DCA = 1,2-Dichloroethane, 1,1-DCE = 1,1-Dichloroethene, c-1,2-DCE = cis-1,2-Dichloroethene, t-1,2-DCE = trans-1,2-Dichloroethene, MC = Methylene Chloride, PCE = Tetrachloroethene, 1,1,2-TCA= 1,1,2-Tricholorethane, TCE = Trichloroethene, VC = vinyl chloride.

4.2.2 Field Sampling Program

As discussed in the Task 3 work plan (GSI Environmental, 2011b), we applied each sample collection method three times in each well. Each method was applied sequentially with a waiting period of approximately three weeks between each sample event resulting in a 43-week sample collection program. The sampling methods were implemented as described in Table 4.2:

Table 4.2 Summary of Task 3 Field Sampling Program

Sample Method	In-Well Equipment Required for Sample Method	Activities to be Completed After Sample Event to Prepare for Next Sample Event	Schedule
1) Low-Flow Sampling with Purge to Parameter Stability (Reference Method)	Down hole tubing for connection to peristaltic pump.	None. Leave dedicated sample collection tubing in well.	Weeks 1, 16, 31
2) Low-Flow Sampling with Constant 24L Volume Purge	Down hole tubing for connection to peristaltic pump.	None. Leave dedicated sample collection tubing in well.	Weeks 4, 19, 34
3) No Purge Low-Flow Sampling **without** In-Well Mixing	Down hole tubing for connection to peristaltic pump.	Remove sample collection tubing. Install SNAP sampler system.	Weeks 7, 22, 37
4) SNAP (No Purge Passive Sampling)	SNAP sampler equipment.	Remove SNAP sampler system. Install mixing/sampling system (i.e., baffle, mixing device, and tubing, see Figure 4.1).	Weeks 10, 25, 40
5) No Purge Low-Flow Sampling **with** In-Well Mixing	Mixing/sampling system (see Figure 4.1).	Remove mixing/sampling system. Install dedicated low-flow sample collection tubing.	Weeks 13, 28, 43

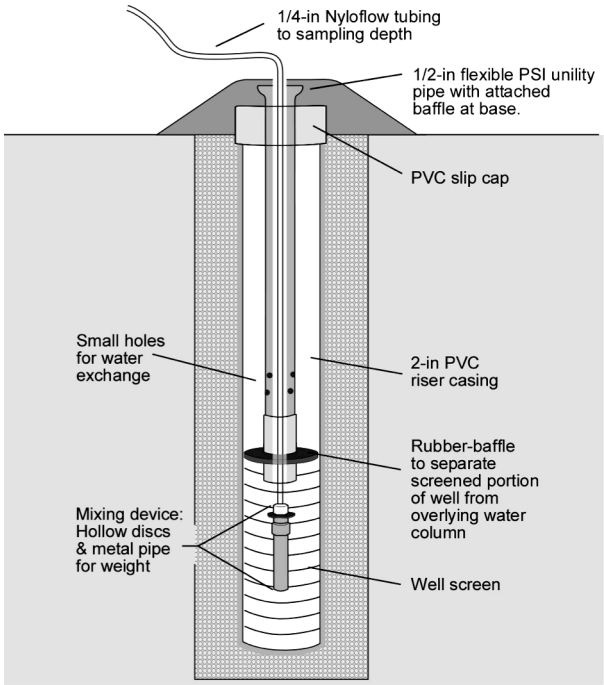

Figure 4.1 Illustration of In-Well Mixing Device

In addition to the primary dataset, implementation of the field program in conjunction with SERDP Project ER-1601 resulted in collection of additional No Purge LF without Mixing samples during six sampling events. Two additional Low-Flow Purge PS sampling events were also conducted as part of the regular site semi-annual monitoring program. For these two sample events, the samples were analyzed only for benzene and vinyl chloride because those are the only two analytes in the regular site monitoring program.

Each water sample was analyzed for VOCs by USEPA Method 8260 at an off-site laboratory.

4.3 Sample Collection

The five sampling methods were implemented sequentially with approximately three weeks between each sample event. For each well, one set of dedicated tubing was used for the three low-flow methods that did not involve in-well mixing (i.e., Low-Flow Purge PS, Low-Flow 24L Purge, and No Purge LF without Mixing). Other dedicated equipment was used for the No Purge SNAP sampling and for the No Purge LF with Mixing (see Table 4.2 and Figure 4.1). When this dedicated equipment was not installed in the well, it was stored on-site or in a secure storage facility in labeled bags.

For each of the low-flow sampling methods, the following “improved” sampling procedures were used to minimize sampling variability:

- Constant Pump Intake Elevation: Care was taken to ensure that the sample tubing intake was kept at the same elevation within the screened interval for each sampling event.
- Bottom Fill Method: VOA vials were filled using the “bottom fill” method where the tubing is initially placed at the bottom of the VOA vial and was kept just below the sample level

as the vial was filled (Parker and Britt, 2012). Results from SERDP Project ER-1704 showed that this fill method minimized loss of volatiles during bottle filling.

- No Removal of Small Bubbles: No effort was made to remove small bubbles (smaller than approximately 1 mL) from the VOA vial. Efforts to remove small bubbles can result in the sample being open to the atmosphere for a longer period of time resulting in additional loss of volatiles from the sample.

4.3.1 Low-Flow Sampling with Purge to Parameter Stability (Reference Method)

These sampling events were conducted with conventional low-flow groundwater sampling procedures. Peristaltic pumps and dedicated tubing were used for sampling. All low-flow groundwater samples were completed with at least five sets of readings recorded not less than 3 minutes apart. Stabilization of groundwater conditions was considered to be achieved when three sets of consecutive readings were obtained for pH (+/- 0.2 S.U.), temperature (+/- 10%), and specific conductance (+/- 3%) using a Horiba flow-through cell. Turbidity and depth to water were also recorded and used as additional indicators of well stability. Purge rates ranged from 150 to 450 mL/min during sampling and were also recorded. The purged volumes ranged from 2.3L to 6L. These volumes are equal to 0.4 to 1 screen volume for a 2-inch monitoring well.

Two additional rounds of low-flow sampling were conducted at the Task 3 site during the time of the Task 3 field program. These events were part of a semi-annual sampling program at the site and are included in our results. These sampling events were performed independently from the Task 3 field program, but used similar low-flow protocols.

4.3.2 Low-Flow Sampling with Constant 24L Purge Volume

Groundwater samples were collected in accordance with standard low-flow purge procedures at a purge rate of 400 mL/min until a 24L purge volume was collected. This volume is equal to 4 screen volumes for a 2-inch monitoring well. Wells were purged with a peristaltic pump and dedicated tubing placed in the middle of the well screen. The approximate purge time for each well was one hour.

Parameter readings were taken before and after the 24L purge. Depth to water measurements were collected from the eight wells prior to purging.

4.3.3 No Purge Low-Flow Sampling **without** In-well Mixing

Groundwater samples were collected in accordance with low-flow techniques using a peristaltic pump and dedicated tubing. Samples were collected almost immediately, with minimal (<100 mL) purging. Depth to water at each well was measured prior to sampling. No parameter readings were collected.

In addition to the primary no-purge dataset, implementation of the field program in conjunction with SERDP Project ER-1601 resulted in collection of 6 additional sets of no purge samples that were collected prior to each Low-Flow Purge PS and Low-Flow 24L Purge sample event collected for this study (ER-1705).

4.3.4 SNAP (No Purge Passive Sampling)

Groundwater samples were collected using the SNAP sampling system. Two vertically-spaced passive samplers (SNAP® samplers) were installed in each well, centered on the well screen (Figure 4.2). The well-specific SNAP systems were installed after sampling activities from the previous sampling event (i.e., No Purge LF without Mixing) were completed. The SNAP samplers were left in place for approximately three weeks for equilibration prior to sample collection. No duplicates were collected during the SNAP sampling events, as the well systems were not constructed to hold more than 2 vials.

No parameter readings were collected in association with this method. Depth to water measurements were collected from the eight wells after the SNAP systems were triggered, but before the SNAP systems were removed and samples were collected.

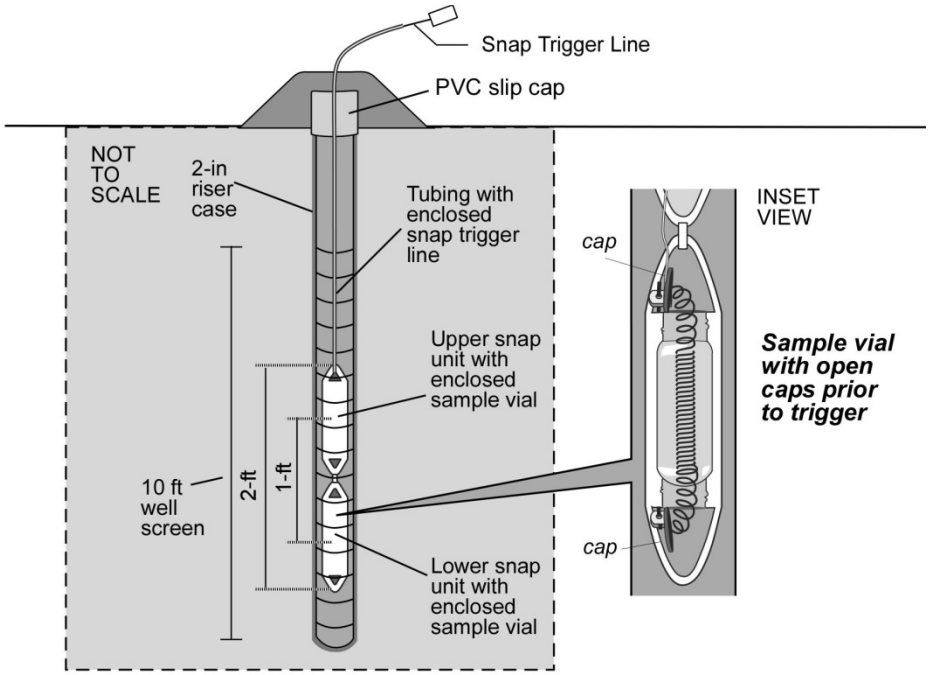

Figure 4.2 Use of SNAP Sampler to Collect Groundwater Samples

4.3.5 No Purge Low-Flow Sampling **with** In-well Mixing

The well-specific groundwater in-well mixing samplers (shown in Figure 4.1) were installed in each well after the sampling activities from the previous event were completed. The mixing samplers were left in place for approximately three weeks for equilibration prior to sample collection. Before sample collection the in-well mixing device was raised and lowered exactly three times to ensure adequate groundwater mixing. After mixing, the wells were sampled from the middle of the well screen with a peristaltic pump using low-flow techniques with minimal (<100 mL) purging prior to sample collection. The samples collected using this method were often silty, but there were no issues with laboratory analysis.

No parameter readings were collected in association with this method. Depth to water measurements were collected from most wells prior to well mixing, but in some wells the in-well mixer blocked well access and no measurement could be obtained.

4.3.6 Quality Control Samples

In order to characterize the contribution of field and laboratory analytical variability to the overall variability observed in the analytical results, a duplicate sample was collected during each sampling event, except for the 3 SNAP sampling events. For the Task 3 field program, this yielded 12 field duplicate samples (1 duplicate per every 10 samples).

4.4 Sample Analysis

All water samples were stored on ice for shipment to the TestAmerica laboratory in Houston, Texas. The samples were analyzed for VOCs by USEPA Method 8260B within 14 days of sample collection. Results are provided in Appendix A.1. The laboratory reports are provided in Appendix C.

4.5 Data Quality Review

Groundwater analytical results were reviewed and validated for conformance to requirements specified in Tables A.1 through A.5 of the Quality Assurance Project Plan (QAPP; Appendix A of the Task 3 Work Plan). To determine data usability, the data were evaluated based on the following: i) sampling procedures, ii) custody procedures, iii) precision assessment, iv) accuracy assessment, and v) completeness.

4.5.1 Sampling Procedures

Groundwater samples submitted for laboratory analysis were collected in accordance with Standard Operating Procedures (SOPs) routinely utilized by GSI, or sample collection methods validated during previous field programs, and as detailed in the QAPP. During the field programs covered by this report, the following deviations from planned procedures occurred:

- <u>SNAP (No Purge Passive Sampling)</u>:
  Sample Events 22 and 37: During the week 22 event, one SNAP vial top failed to close when it was triggered inside the well and had to be closed manually after the system was removed from the well. No resulting laboratory issues were noted. During week 37, one vial bottom failed to close and did not collect any groundwater, so only one vial was submitted for analysis.

- <u>No Purge Low-Flow Sampling **with** In-well Mixing</u>:
  Sample Event 25: The bottom portion (weight) of the in-well mixing device fell off immediately after mixing and prior to sampling. No resulting issues were expected or noted with sample analysis. The in-well mixer was repaired prior to the next event and the mixer design was altered to include a small loop for retrieval.

4.5.2 Custody Procedures, Holding Time, Arrival Temperatures

All samples submitted for analysis were received within the required holding times and within the limits specified for temperature for groundwater samples (i.e., ≤ 4º C). All samples were submitted under chain-of-custody control with no indication of any losses of custody. Chain of custody documentation was provided by the final recipient of the samples to document the complete series of custody transactions.

Groundwater samples were analyzed by TestAmerica Laboratories, Inc. in Houston, Texas according to applicable SOPs, laboratory guidelines, and in accordance with the chain-of-custody.

4.5.3 Precision Assessment: Duplicate Samples, Matrix Spike (MS), Matrix Spike Duplicate (MSD), Laboratory Control Sample (LCS), and Laboratory Control Sample Duplicate (LCSD)

The precision assessment evaluates the agreement in analytical results between duplicate samples (field duplicates and laboratory duplicates). Precision was evaluated in accordance with the QAPP by calculating the relative percent difference (RPD) between duplicate samples.

Field Precision: A total of 12 field groundwater duplicate samples were collected from the wells covered by this report. The precision objective for the field samples is an RPD ≤ 30%. Relative percent difference values for duplicate samples were calculated for 1,1-Dichloroethane, Benzene, Chlorobenzene, Ethylbenzene, and Vinyl Chloride. One pair of sample and duplicate results was reported as non-detect for Ethylbenzene and were not included in the RPD analysis. This yielded a dataset of 59 paired concentration measurements. Results of the field duplicate analysis are presented in Appendix A.2 and are summarized below in Table 4.3.

Table 4.3 Summary of Field Duplicate Precision

Matrix	Total Duplicate Analyses	Relative Percent Difference			
		> 30%	15 - 30%	5 - 15%	< 5%
Groundwater	59	4	10	27	18

Overall, only 4 of the 59 RPD values were above the RPD criteria of 30%. All of the RPD exceedances were collected during No Purge LF without Mixing sampling events and 3 of the 4 exceedances were from one sample pair. It is possible that the differences between these concentration values reflect true differences between the two duplicate samples rather than variability in the laboratory analysis. Overall 95% of the values met the precision objectives.

Laboratory Precision: Laboratory precision of groundwater samples is demonstrated by RPD values calculated for matrix spike and matrix spike duplicate (MS/MSD) samples. Quality control analysis of the sample results reported by TestAmerica for 1,1-Dichloroethane, Benzene, Chlorobenzene, Ethylbenzene, and Vinyl Chloride resulted in all RPD values meeting the RDP criteria of ≤ 25%. It should be noted that the laboratory met the 1 in 20 samples requirement defined in the QAPP Table A.1 for MS/MSD frequency; however, some of the required MS/MSD samples were not associated with the project groundwater samples. Lab reports J47678-1, J46717, and J 51267 do not list MS or MSDs as the associated MS/MSD samples were taken from other projects.

4.5.4 Accuracy Assessment

The objectives for field accuracy and laboratory accuracy were defined in Section 3.2 of the QAPP. The results of the data evaluation based on these objectives are provided below.

Field Accuracy: The evaluation of field accuracy was based on the analytical results obtained for groundwater trip blank samples. As defined in the QAPP, field accuracy will be met if the concentrations of the constituents in the trip blank are below project quantitation limits. All fourteen (14) trip blanks successfully met the accuracy criteria. In other words, no analytes were detected in the trip blanks.

Laboratory Accuracy: Laboratory accuracy was assessed based on percent recoveries from MS/MSD, LCS, and surrogate samples. Exceptions were noted for 22 samples. These exceptions are shown below in Table 4.4:

Table 4.4 Laboratory QA Result Exceptions

Sample ID	Sample Date	Reason for Exception
MW-66-LF-1	9/15/11	Surrogate recovery outside lab limits, matrix interference
MW-66-PRE-STAB	9/15/11	Surrogate recovery outside lab limits, matrix interference
Dup -1 (MW-66)	9/15/11	Surrogate recovery outside lab limits, matrix interference
MW-4-LF-1	9/15/11	Surrogate recovery outside lab limits, matrix interference
MW-71-PRE-STAB	9/15/11	MSD % Recovery exceeds lab limits for Benzene
MW-68-24-1	10/11/11	Low MS/MSD recovery for Vinyl chloride
MW-65-pre24-1	10/11/11	Low MS/MSD recovery due to sample conc > 4x spiked amount for Vinyl chloride.
MW-66-NP-1	11/9/11	Low MS/MSD recovery for Vinyl chloride
MW-71-NP-1	11/9/11	Low MS/MSD recovery for Vinyl chloride
MW-71-PRELF-2	1/18/12	Low MS/MSD recovery for Vinyl chloride
MW-8-24-2	2/8/2012	MSD % recovery slightly exceeds lab limits for Ethylbenzene
MW-8-SS-2	3/22/12	Low MS/MSD recovery for Vinyl chloride
MW-71-NPM-2	4/17/12	Low MS recovery for Vinyl chloride
MW-71-NPM-2	4/17/12	MSD recovery exceeds lab limits for Chlorobenzene and Ethylbenzene
MW-11-PRELF-3	5/2/12	MS recovery exceeds lab limits for Vinyl chloride
MW-71-PRELF-3	5/2/12	MS/MSD recovery exceeds lab limits for Vinyl chloride
MW-66-PRELF-3	5/2/12	MS/MSD recovery exceeds lab limits for Vinyl chloride
MW-40-PRE24-3	5/23/12	MS recovery exceeds lab limits for Vinyl chloride
MW-71 (semi-annual low-flow)	6/20/12	Low MS/MSD recovery due to sample conc > 4x spiked amount for Benzene and Vinyl chloride
MW-71-NP-3	6/20/12	Low MS recovery for Vinyl chloride
MW-65-NP-3	6/20/12	Low MS recovery for Vinyl chloride
MW-40-NPM-3	8/1/12	Low MS/MSD recovery for 1,1-Dichloroethane

The issues associated with surrogate recovery and matrix spike recovery are most likely related to the high concentration of vinyl chloride (and other VOCs) present in the samples. For most samples, relatively high dilutions were required to obtain quantified results. A comparison of results for samples with and without laboratory QA exceptions did not identify any obvious effects of the exceptions on the analytical results.

4.5.5 Completeness Assessment

With the exceptions noted in Section 4.5.1 (Sampling Procedures), all necessary samples were collected and analyzed. The data quality exceptions noted in the data quality review are typical of environmental field programs and none of these exceptions limit the usability of the results obtained. The results of the data quality review are summarized below in Table 4.5.

Table 4.5 Summary of Data Evaluation Results

Data Quality Objective	Results of Data Quality Evaluation
Sampling Procedures	Acceptable*
Custody Procedures	Acceptable
Holding Time	Acceptable
Temperature on Arrival	Acceptable
Field Duplicate Samples	Acceptable*
MS/MSD Samples	Acceptable*
LCS/LCSD Samples	Acceptable
Blank Analysis	Acceptable
Completeness Assessment	Acceptable
Overall Data Usability	**Acceptable**

Notes:
1. Acceptable = This DQO was evaluated and found to have met the requirements outlined in the QAPP.
2. Acceptable* = This DQO was found to have deficiencies or exceptions as discussed in the text however, the data was determined to be usable.

4.6 Data Analysis Methods

A variety of statistical analysis methods were used to understand the factors contributing to short-term monitoring variability.

4.6.1 Coefficient of Variation

The variability in concentration between samples collected from the same well using the same method has been characterized using the coefficient of variation (CV):

CV = Std. Deviation / Mean (Eq. 1)

Where:

CV= The coefficient of variation for analytical results from a single well
Std. Deviation = The standard deviation for analytical results from a single well
Mean = The arithmetic mean for analytical results from a single well

4.6.2 Relative Percent Difference

The variability between paired samples has been compared through the analysis of relative percent difference (RPD). Absolute value RPD has been used to evaluate the magnitude of variability between samples. Directional RPD has been used to evaluate bias between paired samples.

Absolute value RPD (%) = Abs (Value 1 - Value 2) / Average (Value 1, Value 2) x 100 (Eq. 2)

Directional RPD (%) = (Value 1 - Value 2) / Average (Value 1, Value 2) x 100 (Eq. 3)

Where:

RPD = Relative percent difference between two analytical results from a monitoring well
Abs = Absolute value

4.6.3 Tests for Significant Differences

The statistical analysis of the dataset utilized primarily non-parametric statistical tests. Non-parametric tests do not rely on specific assumptions regarding the normality and are more robust for non-normal datasets. Parametric tests are intended for datasets with normal distributions. These tests are less reliable for small datasets that are not necessarily normally distributed. For larger datasets, parametric and non-parametric tests typically yield similar results. The specific statistical analyses used were:

Central Tendencies: Median values were used to represent central tendencies of datasets because medians are less sensitive to outliers than means.

Comparisons of Two Sample Sets: The statistical significance of differences between two datasets was evaluated using the Mann-Whitney U test, a non-parametric test for the identification of differences in sample sets (i.e., non-parametric equivalents of the t-test).

Comparisons of Multiple Datasets: Comparisons of multiple datasets were conducted using Analysis of Variance (ANOVA). ANOVA is a parametric test for differences between datasets. When significant differences are identified between datasets, ANOVA can be used to evaluate the contribution of multiple factors and the interaction between those factors. For example, we evaluated the contribution of sampling method, monitoring well, and constituent to variability in monitoring results as well as the pair-wise interaction between these factors. The Kruskal-Wallis test, the non-parametric equivalent of the ANOVA, allows evaluation of only a single factor at a time and does not support an evaluation of the interaction between factors.

5. TASK 3 RESULTS AND DISCUSSION

The Task 3 field program yielded a primary dataset of 120 groundwater samples (i.e., five sample methods x eight wells x three events for each method) not including duplicates or trip blanks. Five constituents were consistently detected in the samples (i.e., benzene, ethylbenzene, vinyl chloride, chlorobenzene, and 1,1-dichloroethane) yielding a dataset of 600 concentration measurements. The resulting dataset includes 599 detected results with a non-detect result for ethylbenzene in one sample. For the data analysis, the detection limit was used as the proxy concentration for the non-detect result.

In addition to the primary dataset, four secondary datasets were evaluated. Three of these datasets were obtained at the same site as the primary dataset; one was obtained from Hill AFB:

1. No Purge Results from ER-1601: Implementation of the field program in conjunction with SERDP project ER-1601 resulted in collection of additional No Purge LF without Mixing samples during six sampling events.

2. Regular Site Monitoring Program: During implementation of the field program, two additional Low-Flow Purge PS sampling events were conducted as part of the regular site monitoring program. For these two regular site monitoring events, the samples were analyzed only for benzene and vinyl chloride because only these two constituents are included in the regular site monitoring program.

3. Historic Monitoring Data: The eight wells included in the field program were sampled quarterly by Low-Flow Purge PS from September 2010 to June 2011 (i.e., four quarterly sampling events). These samples were analyzed for benzene and vinyl chloride. Some of the wells were sampled earlier, however, well sample methods and detection limits varied. As a result, only the four quarterly sampling events were included in the historic monitoring dataset.

4. Hydrasleeve Data from Hill AFB: Beginning in late 2009, Hill AFB began use of the Hydrasleeve active no-purge sampling system to collect groundwater samples from some monitoring wells. As a supplement to the Task 3 field program, TCE results from 208 Hill AFB monitoring wells were analyzed in order to compare the variability in monitoring results obtained using the Hydrasleeve system to the variability obtained using the prior sampling methods (predominately Low-flow Purge PS sampling).

The primary and secondary datasets are summarized in Table 5.1.

Table 5.1 Summary of Field Program Datasets

Monitoring Wells	Sample Methods	Sample Events	Constituents	Total Concentration Measurements
Primary Dataset				
MW-04 MW-08 MW-11 MW-40 MW-65 MW-66 MW-68 MW-71	1) Low-Flow Purge PS 2) Low-Flow 24L Purge 3) No Purge LF without Mixing 4) No Purge SNAP 5) No Purge LF with Mixing	Three for each sample method (15 total)	Benzene Ethylbenzene Vinyl Chloride Chlorobenzene 1,1-Dichloroethane	600 (8 x 5 x 3 x 5)
Secondary Dataset 1: No purge results from ER-1601 field program				
MW-04 MW-08 MW-11 MW-40 MW-65 MW-66 MW-68 MW-71	No Purge LF without Mixing	Six (Samples collected prior to each Low-Flow Purge PS and each Low-Flow 24L Purge sample event)	Benzene Ethylbenzene Vinyl Chloride Chlorobenzene 1,1-Dichloroethane	240 (8 x 6 x 5)
Secondary Dataset 2: Relevant results from regular site sampling program				
MW-04 MW-08 MW-11 MW-40 MW-65 MW-66 MW-68 MW-71	Low-Flow Purge PS	Two (Collected within one day of sample event for primary dataset)	Benzene Vinyl Chloride	32 (8 x 2 x 2)
Secondary Dataset 3: Historic site monitoring data				
MW-04 MW-08 MW-11 MW-40 MW-65 MW-66 MW-68 MW-71	Low-Flow Purge PS	Four (Historic sample events conducted between September 2010 and June 2011)	Benzene Vinyl Chloride	64 (8 x 4 x 2)
Secondary Dataset 4: Hill AFB Hydrasleeve Dataset				
208 Hill AFB Wells	Hydrasleeve (Active no purge) and Low-Flow Purge PS	6 to 18 per well (3 to 9 per well Hydrasleeve and 3 to 9 per well prior to Hydrasleeve)	TCE	1578 (789 from Hydrasleeve and 789 prior to Hydrasleeve)

5.1 Overall Variability in Primary Dataset

The primary sampling program (15 sample events; three events for each of five sampling methods) was conducted between 15 September 2011 and 1 August 2012 with an average of 23 days between each sample event. The constituent concentrations measured over this time period were highly variable (see Figures 5.1 and 5.2). For individual constituents in individual wells (e.g., benzene in MW-04), the median ratio of the maximum measured concentration to the minimum measured concentration from the 15 sampling events was 4.4. For nine of the 40 constituent/well pairs, this ratio was greater than 10 and the largest ratio was 2,000. Based on a visual inspection of the data, there was no clear pattern to the changes in constituent concentration over time. In other words, changes in constituent concentration from one sample event to the next were not highly correlated within individual wells or for individual constituents.

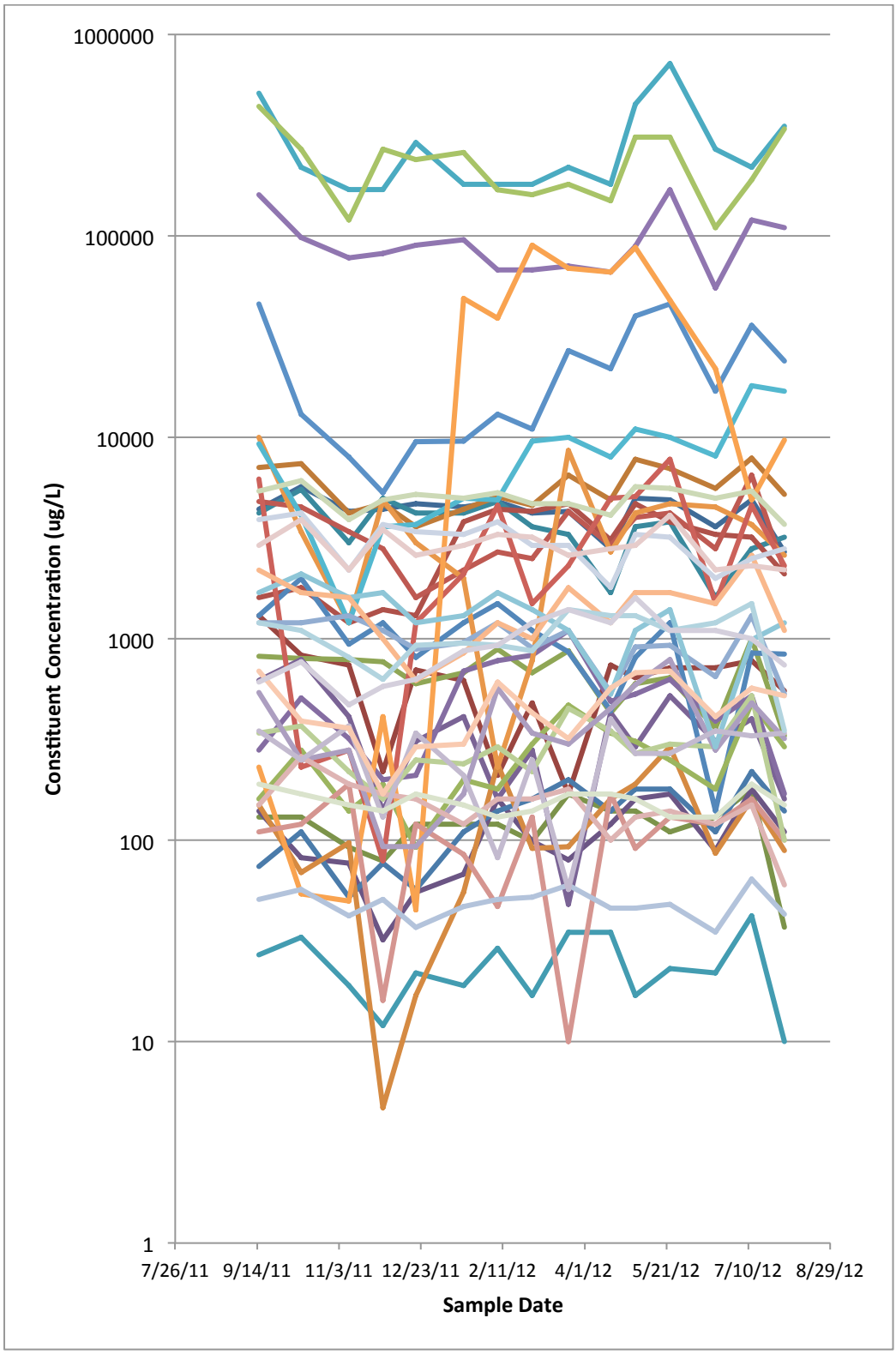

Figure 5.1 Constituent Concentrations by Constituent/Well

Note: Figure shows overall variability in monitoring results. See Appendix A.1 for a data table summarizing all sample results.

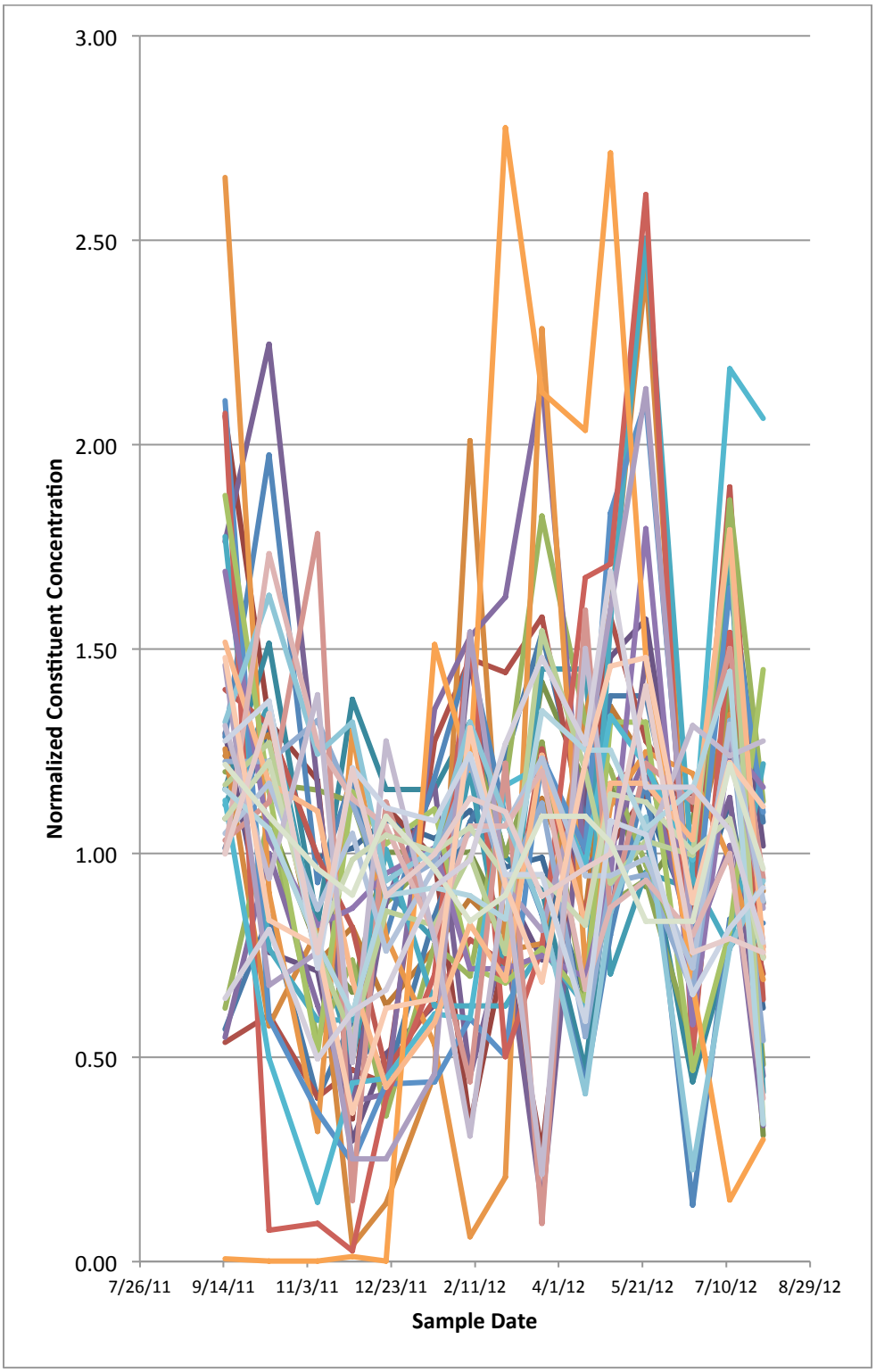

Figure 5.2 Normalized Constituent Concentrations by Constituent/Well

Note: For each constituent/well, the individual concentration measurements were normalized by the average of the 15 concentration measurements for that constituent/well. See Appendix A.1 for a data table summarizing all sample results.

5.2 Variability Associated with Sample Collection Method

The primary hypothesis for Task 3 was that minor modifications to existing groundwater sampling methods can result in a measureable reduction in variability in groundwater monitoring results. This hypothesis was tested using the primary dataset. Some supporting analyses included results from secondary datasets 1 (No Purge Results from ER-1601) and 3 (Historic Monitoring Data).

Measures of Variability: The variability associated with sample method was evaluated in two ways:

1. Variability in Constituent Concentration: We calculated the CV for each set of three results specific to a sample method, well, and constituent. This resulted in 40 CV values for each sample method except for No Purge LF without Mixing. No Purge LF without Mixing had 120 CV values due to the supplemental no purge samples collected prior to each Low-Flow Purge PS and Low-Flow 24L Purge sample event. In other words, the analysis of variability in constituent concentration for No Purge LF without Mixing included the results from the Primary Dataset and the Secondary Dataset 1 (see Table 5.1).
2. Variability in Normalized Constituent Concentration: We normalized each constituent concentration result by the average concentration from the 15 total sample events for that constituent in each well. This normalization eliminates the differences in concentration between constituents and between wells allowing statistical analyses of datasets that include different constituents and different wells. For the normalized dataset, variability associated with each sample method was evaluated by calculating the CV for all normalized concentration measurements associated with that method (i.e., 120 concentration measurements per method).

Variability Associated with Sample Collection Methods: Both measures of variability indicated similar variability in sample results obtained using Low-Flow Purge PS, Low-Flow 24L Purge, and No Purge LF without Mixing sampling methods (see Figures 5.3 and 5.4). The No Purge SNAP method yielded variability that was statistically higher than any of the three low-flow methods (i.e., $p<0.05$ based on the Wilcoxin Rank Sum Test). The variability associated with the No Purge LF with Mixing method was between that of the SNAP sampler method and the other three low-flow methods but was not statistically different from any of the other methods.

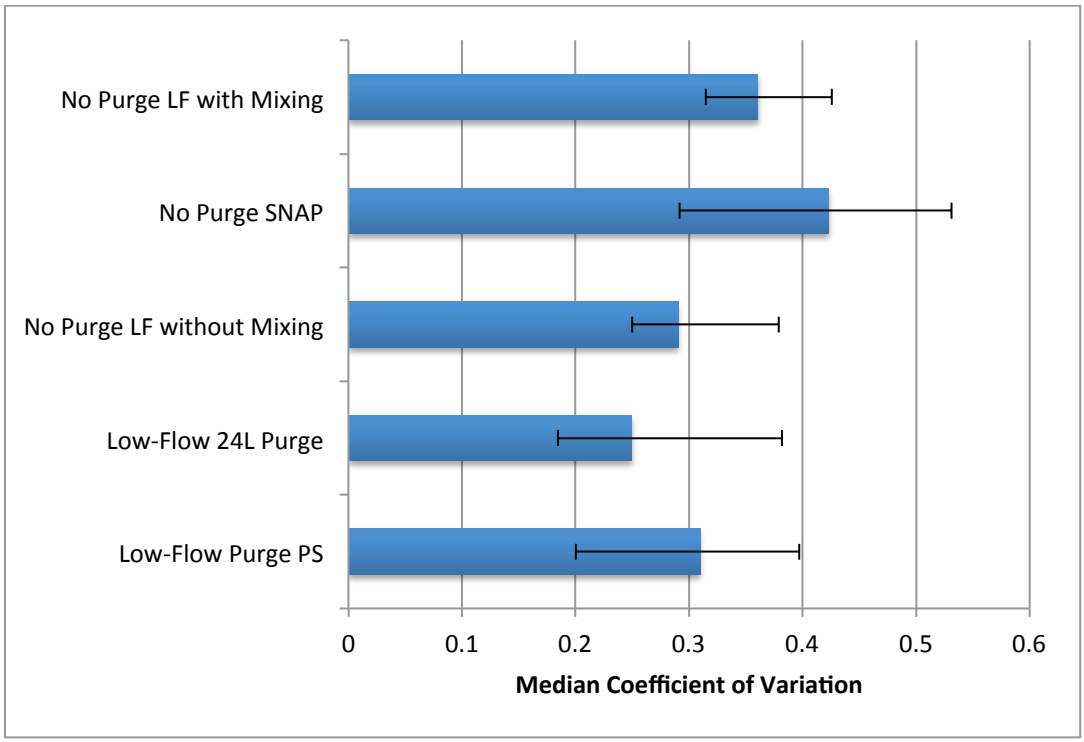

Figure 5.3 Variability in Constituent Concentration by Sample Collection Method
Note: Chart includes method/well/constituent datasets. Error bars show 95% confidence interval for median CV. LF = Low-flow, PS = parameter stability.

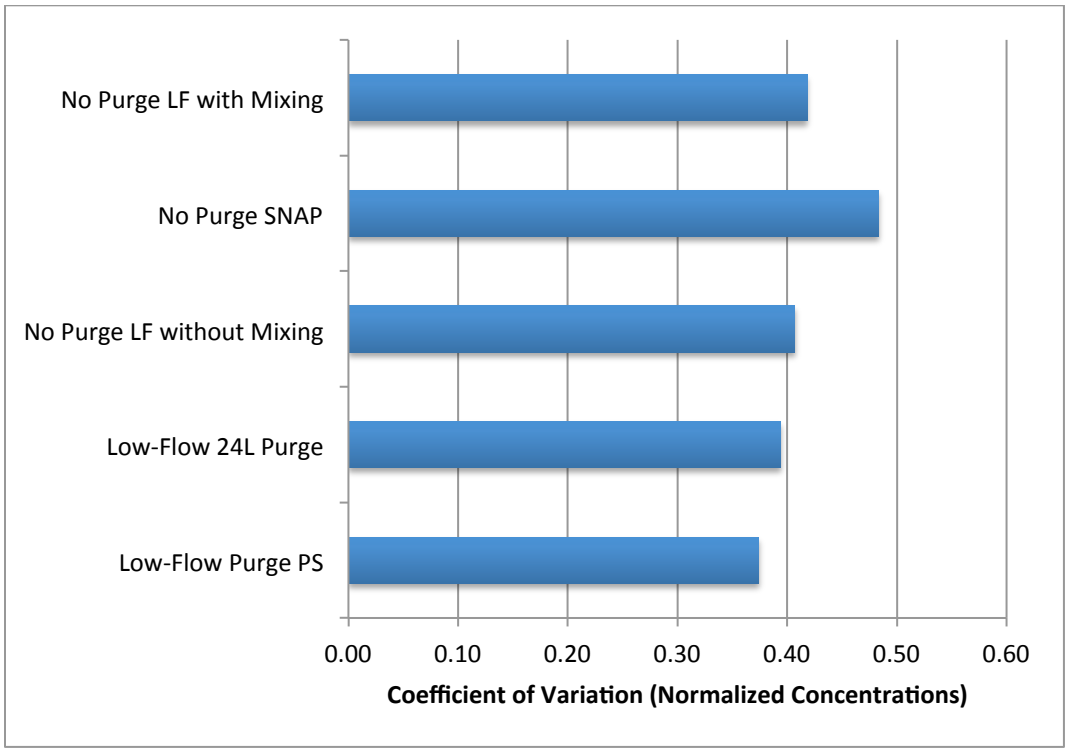

Figure 5.4 Variability in Normalized Constituent Concentration by Sample Collection Method
LF = low-flow, PS = parameter stability.

Comparison to Variability in Historical Monitoring Dataset: As discussed in Section 5.0, four historical Low-flow Purge PS quarterly monitoring results for benzene and vinyl chloride were available covering the time period of September 2010 to June 2011. This time period is similar to the time period covered by the three Low-Flow Purge PS collected for the current field program (i.e., September 2011 to August 2012). The historical sampling events did not utilize the "improved" sampling procedures that were used for the current program (i.e., constant pump intake elevation, bottom fill method, and no removal of small bubbles; see Section 4.3). The variability in the two datasets was compared to evaluate whether the "improved" sampling methods reduced monitoring variability.

The variability in the current dataset was somewhat lower than that in the historic dataset (Table 5.2), however the difference was not statistically significant. This comparison was made by constituent for benzene and vinyl chloride because only benzene and vinyl chloride results were available for both the historic dataset and the primary dataset. For both constituents, the difference in variability was not statistically significant by the Mann Whitney U Test, however, due to the small population, a relatively modest change in variability would not be expected to be statistically significant. Although the differences in CVs between the historic dataset were not statistically significant, the lower variability in the primary dataset is consistent with the hypothesis that improved sampling procedures will reduce monitoring variability.

Table 5.2 Variability Associated with Low-Flow Purge PS: Historical Data vs. Current Data

Constituent	Historical Dataset	Primary Dataset	Reduction in Variability
Benzene	0.43	0.34	21%
Vinyl Chloride	0.60	0.47	22%

Note: Table shows the median of CVs from eight monitoring wells. For both benzene and vinyl chloride, the difference in CV is not statistically significant ($p>0.05$).

5.3 Variability Associated with Monitoring Well and Constituent

The balanced nature of the primary dataset allowed the use of a balanced analysis of variance (ANOVA) to evaluate the importance of well and constituent, in addition to sample method, on variability in monitoring results.

Measures of Variability: We calculated the CV for each set of three results specific to a sample method, well, and constituent. This resulted in 200 CV values. These 200 CV values were evaluated using a balanced ANOVA with sample method, monitoring well, and constituent as fixed variables.

Variability Associated with Monitoring Well and Constituent: The analysis indicated that sample method, monitoring well, and constituent were all statistically-significant factors for the observed variation in CV within the dataset (Table 5.3). However, both monitoring well and constituent were more significant factors than sample method (i.e., they explained a greater portion of variation in CV values). The ANOVA also included the factor interactions (e.g., the combined effect of two factors). The sample method by monitoring well interaction and the monitoring well

by constituent interaction were significant while the sample method by constituent interaction was not significant.

Table 5.3 Results of Analysis of Variance Analysis

Variable	Degrees of Freedom	Sum of Squares Error	Mean Square Error	F-Statistic	P value
Individual Factors					
Sample Method	4	0.79	0.20	8.7	<0.001
Monitoring Well	7	2.94	0.42	18.5	<0.001
Constituent	4	2.82	0.70	30.9	<0.001
Factor Interactions					
Sample Method x Monitoring Well	28	2.58	0.09	4.0	<0.001
Sample Method x Constituent	16	0.35	0.02	1.0	0.508
Well x Constituent	28	2.35	0.08	3.7	<0.001
Residual Error	112	2.55	0.02		
Total Error	199	14.37			

Although the ANOVA analysis confirms sample method has a significant effect on monitoring variability, the analysis suggests that even the best sampling method could not eliminate a large portion of short-term monitoring variability because well and constituent factors were more important sources of variability than sampling method.

Interactions between Sample Method and Monitoring Well: The significant interaction between sampling method and monitoring well suggests that the effectiveness of specific sampling methods for reducing monitoring variability varies from well to well. One possible factor in this interactive effect is the stratification of constituent concentration within the screened interval. For ESTCP Project ER-1601 (New Cost-Effective Method for Long-Term Groundwater Monitoring Programs), vinyl chloride concentrations were measured at the top, middle, and bottom of the well screen using passive vapor-phase samplers during eleven of the sample events. The results of these measurements were used to calculate a stratification index for each monitoring well. For each of the eleven sampling events, the stratification index was calculated as the maximum concentration from the three depths divided by the minimum concentration. The overall stratification index for the monitoring well was calculated as the median stratification index from the eleven sampling events. Figure 5.5 shows the difference in monitoring variability by sample method and monitoring well. This figure shows that the No Purge SNAP results and the Low-Flow 24L Purge results were most variable in the monitoring wells that were most stratified. In contrast, the other sampling methods did not show a clear relationship between well stratification and sampling variability.

For the SNAP Sampler, the relationship between variability and well stratification may be a function of how the SNAP Sampler is constructed. For small diameter monitoring wells, the sampler consists of two 40 mL sampling vials that are off-set vertically within the well screen by approximately 12 inches (see Figure 4.2). Although the laboratory needs only one vial, two are collected to provide a back-up sample. For this field program, we did not take any measures to differentiate between the upper vial and the lower vial and we did not ensure that one of the two vials (e.g., the upper vial) was consistently treated as the primary sample (i.e., the sample to be analyzed by the laboratory) because the SOP for the SNAP sampler does not address this issue (ProHydro, 2011). As a result, the analysis of the SNAP samples varied randomly between the upper vial and the lower vial, resulting in variation in the elevation at which the sample was collected. This variation in sample elevation would be expected to have a greater impact on variability in more stratified wells compared to less stratified wells, as was observed in our dataset. If this variation in sample elevation did contribute to the variability, then the effect could be reduced by ensuring that one of the two samples (e.g., the upper sample) is treated as the primary sample (i.e., the sample analyzed by the laboratory) and the other sample (i.e., the lower sample) is treated as the back-up sample.

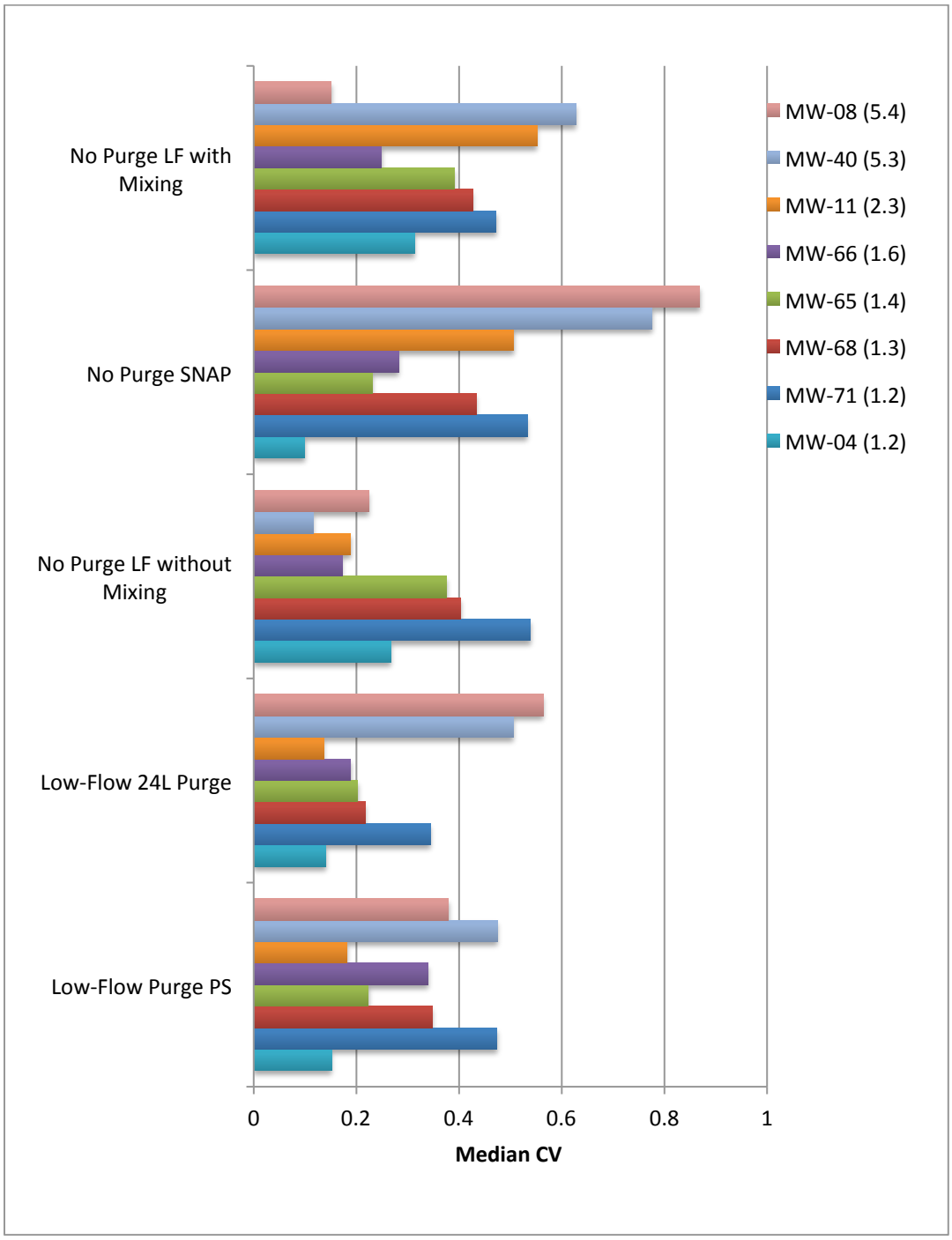

Figure 5.5 Variability in Constituent Concentration by Sample Collection Method and Monitoring Well (Method/Well/Constituent Datasets)

Note: Legend identifies monitoring well ID and stratification index for each monitoring well. The stratification index is the median ratio of the maximum vinyl chloride concentration to the minimum vinyl chloride concentration measured at three depths within the screened interval. These multi-depth concentration measurements were conducted during 11 of the sampling events.

5.4 Variability Associated with Field Duplicates

The variability associated with field duplicates was evaluated using the primary dataset and Secondary Dataset 1 (see Table 5.1). The primary dataset included field duplicates collected in accordance with the project QAPP. Secondary Dataset 1 included paired samples collected on the same day, from the same set of wells, using different sampling methods. The variability associated with field duplicates was much lower than the variability observed between paired samples collected from the same monitoring well on the same day (see Table 5.4). That is, the median RPD for field duplicates was 8% compared to a median RPD of 16% to 18% for paired No Purge LF without Mixing vs. Low-Flow Purge (i.e., Low-Flow Purge PS or Low-Low 24L Purge) samples collected on the same day. These results are similar to the evaluation of field duplicates conducted during Tasks 1 and 2 of the project and confirm that field duplicates do a poor job of characterizing the variability and uncertainty associated with the use of the concentration measured in a single sample as representative of the constituent concentration in that monitoring well during that sampling event.

The variability in field duplicates collected during the No Purge LF without Mixing sampling events were noticeably higher than the variability in field duplicates collected using other sampling methods. The median RPD for field duplicates collected during the No Purge LF without Mixing was 24% compared to the median RPD for all field duplicates of 8%. RPD values for each duplicate sample pair are provided in Appendix A.2. Although the primary dataset did not show high variability associated with the No Purge LF without Mixing sampling method, the observation of high field duplicate variability with this method suggests that the No Purge LF without Mixing may be yield higher variability than sampling methods that do include purging.

Table 5.4 Variability in Paired Samples Collected on the Same Day

Type of Sample Pair	Median RPD
Primary Dataset Field Duplicates	
Field Duplicate (All Field Dups)	8%
Field Duplicate (No Purge LF without Mixing)	24%
Secondary Dataset 1 No Purge Samples vs. Primary Dataset Purge Samples	
No Purge LF without Mixing vs. Low-Flow Purge PS	16%
No Purge LF without Mixing vs. Low-Flow 24L Purge	18%

5.5 Variability Associated with Active No Purge (Hydrasleeve) Sampling Method

The Hydrasleeve sampler is a no purge sampling system that collects water by actively pulling the sampler through the screened interval of the monitoring well (see Figure 5.6). Although the Hydrasleeve sampler was not included in the Task 3 field program, the variability of the Hydrasleeve sampler system was evaluated using a secondary dataset from Hill AFB (see Table 5.1).

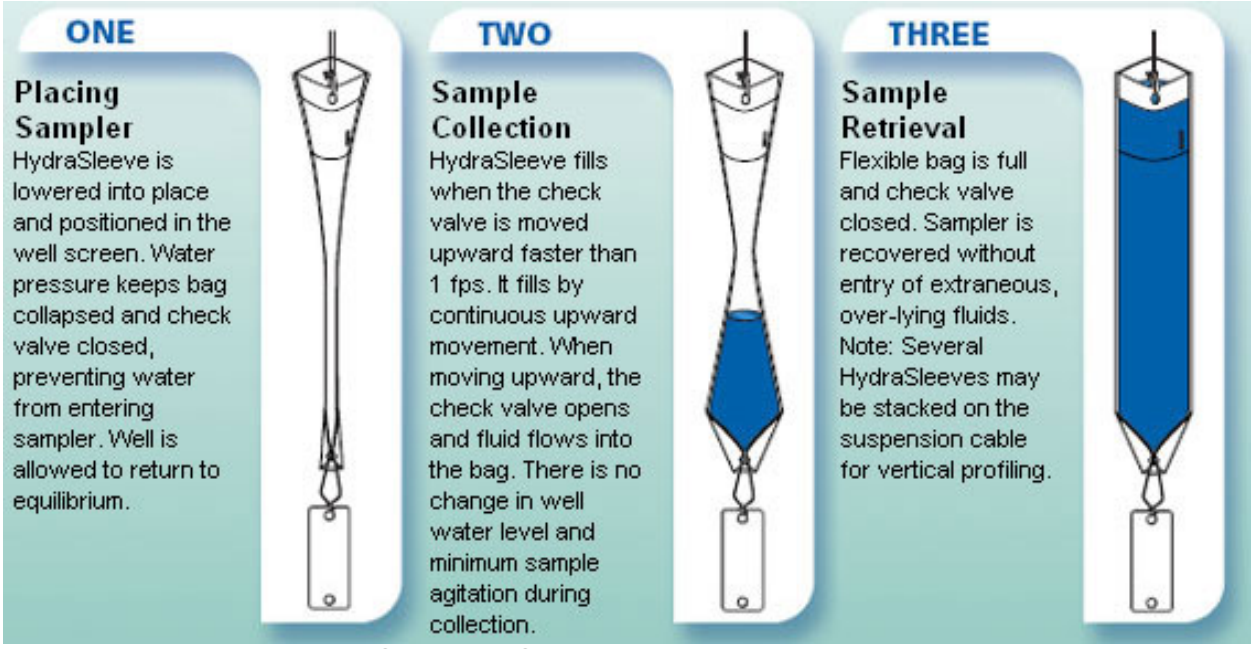

Figure 5.6 Hydrasleeve Sampling System
Note: Figure from http://www.hydrasleeve.com

Between September 2009 and June 2011, Hill AFB began using the Hydrasleeve sampling system in a large number of monitoring wells. In order to evaluate the variability associated with the Hydrasleeve sampling system, a dataset was compiled for 208 Hill AFB monitoring wells that had been sampled at least three times using the Hydrasleeve sampling system and that had previously been included in the Task 1 data mining program. (Note that the Hydrasleeve sampling was conducted after Task 1 was completed, so Hydrasleeve results were not included in Task 1.) The number of Hydrasleeve sampling events for each well ranged from three to nine, however, 125 of the 208 wells had been sampled with the Hydrasleeve only three times. For each well in this dataset, the Hydrasleeve sample events were matched with an equal number of the most recent sample events conducted prior to the switch to Hydrasleeve. For each well, the variability in TCE concentration in the pre-Hydrasleeve results and in the Hydrasleeve results was evaluated by calculating the CV for the pre-Hydrasleeve results and the CV for the Hydrasleeve results. In other words, if a well had four Hydrasleeve sample events, the CV was calculated for these four TCE concentration measurements; another CV was calculated for the TCE measurements from the four most recent sample events prior to the switch to Hydrasleeve.

The comparison of variability indicates that concentration results using the Hydrasleeve method are much more variable than the results obtained prior to the Hydrasleeve method. The median CV for the Hydrasleeve results was 0.37 compared to a median CV of 0.17 for the datasets prior to Hydrasleeve (see Table 5.5). The difference in variability was statistically significant ($p<0.001$ by Wilcoxin Rank Sum Test). In addition, 73% of the individual monitoring wells showed more variable results using the Hydrasleeve sampling method. Prior to the switch to Hydrasleeve, most of the monitoring wells were sampling using Low-Flow Purge PS. This indicates that the Hydrasleeve sampling system yielded results that are significantly more variable than Low-Flow Purge sampling methods. The Hydrasleeve results also appeared to show a modest (approximately 30%) low bias relative to the prior sampling method. However, this apparent low bias was not evaluated in detail.

Table 5.5 Variability Associated with the Hydrasleeve Sampling Method

Dataset	Median CV
Hydrasleeve Sampling Method	0.37
Samples Collected Prior to Use of Hydrasleeve Method	0.17

5.6 Bias between Sampling Methods

Although the primary goal of this study was to evaluate the differences in monitoring variability between the sampling methods, the resulting dataset also supports an analysis of bias between the sampling methods.

Measures of Bias: Bias between sample methods was evaluated in two ways: i) Normalized Concentration and ii) Paired No Purge and Purge Measurements. Each measure and the results of the evaluations are described below.

Normalized Concentration:

Method: Bias between sampling methods was evaluated using concentration results from the primary dataset that were normalized as described in Section 5.1 (i.e., each constituent concentration result was divided by the average concentration from the 15 total sample events for that constituent in the well). The bias between sample methods was evaluated by comparing the median of the 120 normalized concentrations for each sample method (see Figure 5.7).

Results / Bias Between Sample Methods (Normalized Concentration): ANOVA on the normalized concentrations indicates a significant difference in normalized concentration between the sample methods ($p<0.001$). No Purge LF without Mixing and No Purge LF with Mixing showed the lowest median normalized concentrations (0.83 and 0.88, respectively) while Low-Flow Purge PS and Low-Flow 24L Purge showed the highest median normalized concentrations (1.12 and 1.14, respectively). This indicates that the no purge methods were biased low (on average) relative to the purge methods by approximately 20% (see Figure 5.7). The magnitude of bias between No Purge Low-Flow methods and Low-Flow Purge methods observed in this dataset is similar to the bias between these methods observed in the Task 2 field program (GSI Environmental, 2011a) and is similar to that reported in other studies (Barcelona et al., 1994).

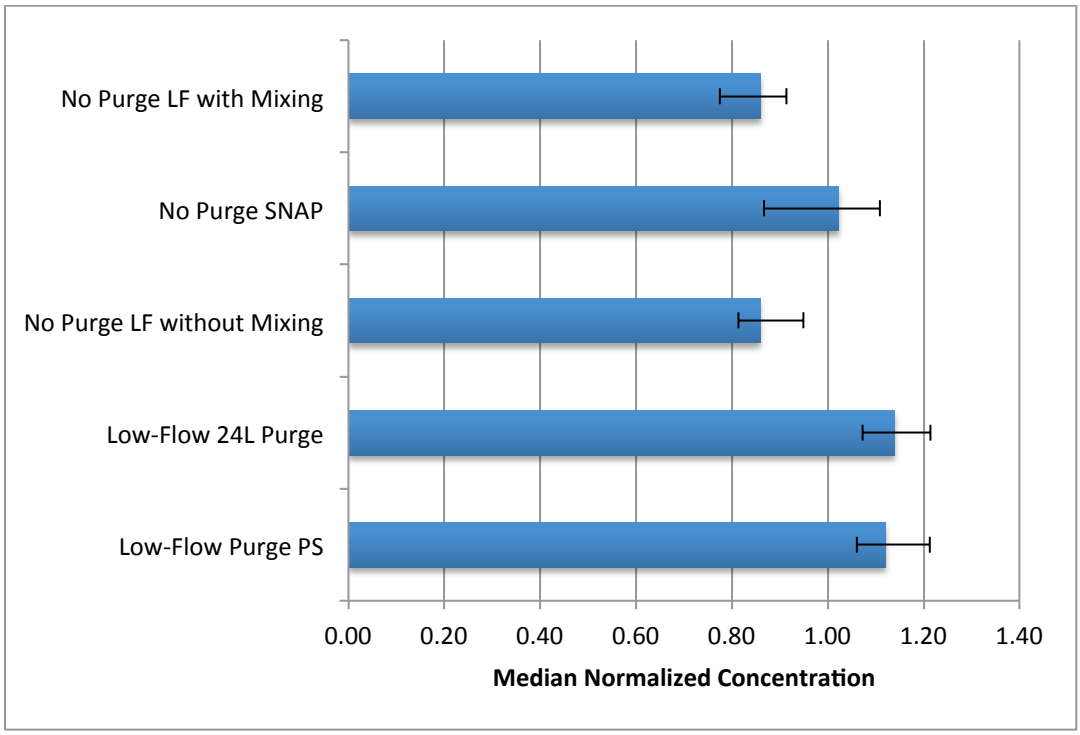

Figure 5.7 Evaluation of Bias in Concentration Results Between Sampling Methods

Paired No Purge and Purge Measurements:

Method: For each of the Low-Flow Purge PS and Low-Flow 24L Purge sample events, No Purge LF without Mixing samples were collected prior to collection of the post-purge samples. This yielded a dataset of 120 paired measurements for No Purge LF without Mixing vs. Low-Flow Purge PS samples collected on the same day and 120 paired measurements for No Purge LF without Mixing vs. Low-Flow 24L Purge samples collected on the same day. The bias between each of these paired samples was evaluated by calculating the ratio of the purge vs. the no purge result.

Results / Bias Between Sample Methods (Paired Measurements): For both sets of paired measurements (i.e., No Purge LF without Mixing vs. Low-Flow Purge PS and No Purge LF without Mixing vs. Low-Flow 24L Purge) there was a significant difference in constituent concentrations between the pre-purge samples and the post-purge samples ($p<0.001$ for both datasets by Wilcoxin Signed Rank Test). In both cases, the pre-purge result was biased low relative to the post purge result. The median low bias was 10% for No Purge LF without Mixing vs. Low-Flow Purge PS and 8% for No Purge LF without Mixing vs. Low-Flow 24L Purge.

Overall, the evaluation of bias between sampling methods suggests that no purge sampling methods show a small low bias compared to purge sampling methods.

6. SUMMARY OF PROJECT RESULTS AND DISCUSSION

The purposes of this project were to i) improve the understanding of the sources of variability in groundwater monitoring results and ii) based on this understanding, develop methods to reduce or control monitoring variability. The following tasks were completed to meet the project objectives:

Task 1: Analysis of Sources of Variability in Existing Groundwater Monitoring Datasets (Interim Report Issued in January 2010)
Task 2: Field Sampling Program to Understand Sources of Short-Term Monitoring Variability (Interim Report Issued in January 2011)
Task 3: Field Testing of Engineered Methods to Reduce Monitoring Variability (Section 4 and 5 of this Report)

This section provides an overview of the full project and presents the overall project findings.

6.1 Evaluation of Existing Datasets (Task 1)

The initial project task utilized large existing groundwater monitoring datasets to identify key sources of variability in groundwater monitoring results. The data mining study involved i) identification of large databases of groundwater monitoring results, ii) selection of datasets from these databases that were suitable for statistical analysis, and iii) exploratory analysis and statistical analysis of the datasets to identify factors associated with monitoring variability.

For this task, we identified three large groundwater monitoring databases: i) the Hill AFB database, ii) the MCLB Albany database, and iii) a database of monitoring results from 48 underground storage tank sites. For each database, we selected a dataset for analysis that included all groundwater monitoring wells that contained at least six sampling events with the primary site contaminant detected in at least 50% of the sampling events. The median number of sampling events per well ranged from 17 to 26, providing a robust dataset for statistical analysis. Because the Hill AFB database included the most comprehensive documentation, many of the analyses could only be conducted using the Hill AFB database. Based on the database analyses, the following conclusions were made:

- **Range of Variability Between Groundwater Monitoring Wells:** For all three databases, the monitoring variability varied widely between monitoring wells. At Hill AFB, the least variable wells varied by less than 2x over a 10 year period while the most variable wells varied by more than 100x over the same time period. The difference in variability between wells was larger than the difference in average variability between sites, indicating that well-specific factors are more important than site-specific factors for determining monitoring variability. At Hill AFB, there was no clear spatial correlation in variability between wells indicating that geologic and hydrogeologic factors contributing to monitoring variability likely occur on a spatial scale of less than 100s of feet.

- **Signal Variability:** For the three datasets evaluated, 51% to 63% of the monitoring wells exhibited a statistically significant change in the concentration of the primary contaminant over time. The median attenuation half-life ranged from 2.0 yrs for the UST dataset to 14 yrs for the Hill AFB dataset (Table 6.1). This long term temporal trend (i.e.,

signal variability) accounted for an average of 30% to 40% of the monitoring variability. This indicates that the remaining 60% to 70% of monitoring variability is attributable to other factors which serve to confound the identification of long term trends in constituent concentration.

Table 6.1 Distribution of Long-Term Attenuation Rates

Dataset	Total Wells	25th Percentile Attenuation Half-Life (yr)	Median Attenuation Half-Life (yr)	75th Percentile Attenuation Half-Life (yr)
Hill AFB (TCE)	504	5.2 yr	14 yr	-16 yr (i.e., increasing conc.)
MCLB Albany (TCE)	66	4.4 yr	10 yr	33 yr
UST (Benzene)	315	1.1 yr	2.0 yr	6.1 yr

A significant portion of the remaining variability is time independent. In other words, the magnitude of monitoring variability is relatively constant whether the sample events are separated by less than 30 days or up to 320 - 400 days. For sample events separated by more than 320 – 400 days, monitoring variability increases with time indicating that time-dependent variability is more important than time-independent variability over this timescale. When comparing wells with a statistically significant concentration trend over time to wells without such a trend, the difference in monitoring variability becomes apparent only after a period of greater than 700 – 1000 days. This indicates that, using current monitoring methods, long term concentration trends are more important than other sources of variability only on timescales of greater than 700 – 1000 days.

- **Aquifer and Well Factors:** Some researchers consider well dynamics (e.g., thermal mixing, vertical flow, etc.) as an important source of monitoring variability. Based on these studies, we predicted that identifiable aquifer and well factors would correlate with monitoring variability. Specifically, we predicted that factors such as aquifer heterogeneity or well screen length that are likely to affect well dynamics would correlate with monitoring variability. However, for the six aquifer and well characteristics evaluated, only three exhibited a statistically-significant correlation with monitoring variability (aquifer permeability, depth of well screen below top of aquifer, and depth to groundwater). In addition, for two of the three factors, the observed correlation was opposite from the expected relationship. In total, the identified well and aquifer factors accounted for less than 10% of the monitoring variability in the dataset.

- **Sample Collection Factors:** The available datasets supported only a limited evaluation of the effect of sample collection factors on monitoring variability. Based on an evaluation of 39 monitoring wells at Hill AFB with at least three high volume purge sampling events and three low-flow purge sampling events, there was a statistically significant difference on monitoring variability between the two purge methods with low-flow purge yielding less variable monitoring results. Based on an evaluation of 17 monitoring wells at Hill AFB with at least three sampling events using a bailer for sample collection and three sampling events using a pump for sample collection, there was no statistically significant difference in monitoring variability between the two sample collection methods.

- **Laboratory Analysis Factors:** Analytical variability, as characterized by the analysis of field duplicates, accounted for only 4 – 10% of the monitoring variability. In addition, the variability between field duplicates decreased over time. However, when analyzing the larger dataset, we observed a statistically significant difference in monitoring variability based on both the analytical method and the analytical laboratory. In addition, five of the eight laboratories evaluated showed evidence of bias, ranging from 18% high bias to 19% low bias. These results indicate that the analysis of field duplicates underestimates the contribution of laboratory analysis factors to monitoring variability.

The results of this data mining study indicated that well specific factors are the most important source of monitoring variability outside of the long-term concentration trend. This finding is supported by the observation that monitoring variability varies dramatically between monitoring wells within a single site. The absence of a clear spatial pattern in this monitoring variability indicates that the factors contributing to monitoring variability vary on a spatial scale of less than 100s of feet.

An evaluation of the timescale of monitoring variability indicated that a significant portion of the monitoring variability is time independent, or at least has a timescale of less than 30 days. This analysis suggested that, using current monitoring methods, monitoring conducted on a frequency of less than 320 – 400 days serves primarily to characterize this time independent variability.

6.2 Evaluation of Short-Term Variability in Groundwater Monitoring (Task 2)

For this task, we characterized sources of short-term variability in groundwater monitoring results through a field program that involved collecting and analyzing a large number of groundwater samples from a set of monitoring wells over a short period of time. We identified eighteen wells at Hill AFB for sampling including six low variability wells, six medium variability wells, and six high variability wells as determined by the analysis of the Hill AFB groundwater database conducted in Task 1. An intensive sampling program was conducted at each of the wells consisting of the following elements:

1. Collection of a series of samples from the middle of the well screen by low-flow sampling over a defined range of purge volumes
2. Measurement of ambient vertical flow within the screened interval of the well
3. Collection of samples from the top, middle, and bottom of the well screen by passive sampling
4. Collection of samples from the top, middle, and bottom of the well screen by low-flow sampling
5. Collection of a second series of samples from the middle of the well screen by low-flow sampling over a defined range of purge volumes

TCE was detected in over 99% of groundwater samples, followed by cis-1,2-DCE detected in 62% of samples. Because TCE provided the most robust dataset, we focused the analysis of the potential sources of variability in each well on the TCE results. The depth to water at several wells was below the top of the screen, in some cases precluding the measurement of ambient flow and passive and low-flow sampling at the top, middle, and bottom of the well screen. Consequently, some of the analysis could only be conducted using TCE concentrations from

wells with a water level above the screen. Based on the analyses of the sampling program results, the following conclusions were made:

- Summary of Short-Term Monitoring Variability: Short-term monitoring variability (i.e., variability observed over timescales of <1 month) is significantly higher than field duplicate variability. When collecting samples, even small variations in sample collection methods such as total purge volume and sample collection depth affected the monitoring results. These variations can commonly yield a 15 to 20% variation in concentration results with a maximum variation of up to 10x. In contrast, the variability between field duplicate samples is typically less than 5%.

- Correlation between Short-Term Monitoring Variability and Historic Monitoring Variability: Monitoring wells with higher historic monitoring variability also exhibited higher short-term monitoring variability than wells with low historic monitoring variability. However, the range of short-term monitoring variability was much smaller than the range of historic monitoring variability indicating that the differences in "time independent" variability between monitoring wells do not fully explain the differences in longer-term historic monitoring variability between wells.

- Methods to Reduce Short-Term Monitoring Variability Associated with Sampling by Low-Flow Purge: When using low-flow purge to collect groundwater samples, less variability was observed at higher purge volumes. In addition, short-term temporal variability was lower for samples collected using a consistent purge volume (i.e., 24 L) compared to samples collected following initial stabilization of field parameters.

6.3 Methods to Reduce Short-Term Monitoring Variability (Task 3)

For this task, we evaluated the effect of sample collection method on monitoring variability and evaluated whether improved sampling methods and procedures could reduce the short-term variability in groundwater monitoring results. The specific objective of Task 3 was to test our hypothesis concerning the relationship between sample collection method and short-term monitoring variability:

> *Minor variations in sample collection methods from event to event (e.g., different intake depth for the sample pump, varying the amount of water pumped before sample collection, etc.) can contribute to high temporal variability in groundwater monitoring results. However, minor modifications to existing groundwater sampling methods can reduce the event to event differences in sample collection. This will result in a measureable reduction in variability in groundwater monitoring results.*

This hypothesis was tested through a field program that involved collecting samples from a set of eight monitoring wells using five different sample collection methods. Each method was used for three sampling events, resulting in a total of 15 sampling events. The five sampling methods evaluated were:

1. Low-Flow Sampling with Purge to Parameter Stability (reference method)
2. Low-Flow Sampling with Constant 24L Volume Purge
3. No Purge Low-Flow Sampling **without** In-Well Mixing
4. SNAP (No Purge Passive Sampling)
5. No Purge Low-Flow Sampling **with** In-Well Mixing

Based on the Task 3 hypothesis, we expected to observe lower variability in results in the datasets obtained using improved sample collection methods compared to the conventional sample collection methods. For all methods (including the reference method), we utilized improved sampling procedures that included: ensuring that each sample was collected from the same depth interval, using the "bottom fill" method to fill VOA vials, and not re-opening VOA vials to remove small bubbles. As a result of these improved sampling procedures, we expected the variability associated with the reference method to be lower than that observed in the historic dataset collected using the same sampling method (i.e., Low-Flow Sampling with Purge to Parameter Stability) without the improved procedures.

The Task 3 field program yielded a primary dataset of 600 concentration measurements (i.e., eight monitoring wells, five sampling methods, three sample events per method, and five consistently detected constituents). In addition, 336 additional concentration measurements were available from supplemental analyses conducted for ER-1601 and the regular site monitoring program.

Based on the analyses of the sampling program results, the following conclusions were made:

- Improved Sampling Procedures Appear to Reduce Monitoring Variability: For the Low-Flow Purge PS method, the improved sampling procedures (i.e., constant sample elevation, bottom fill method for filling the VOA vials, and not removing small bubbles) resulted in a 20% reduction in monitoring variability compared to the historical monitoring data (Table 5.2). This reduction was not statistically significant; however, the dataset for this comparison was small making it more difficult to identify statistically-significant changes.

- The Sample Method Affects Monitoring Variability: A significant difference in monitoring variability was observed between the datasets generated using different sampling methods. Three of the low-flow sampling methods (Low-Flow Purge PS, Low-Flow 24 L Purge, and No Purge LF without Mixing) showed similar variability (Figure 5.3 and 5.4). SNAP (No Purge Passive Sampling) showed higher variability than the three low-flow methods and this difference was statistically significant. As discussed below, the higher variability in the SNAP sampler dataset appeared to be largely due to high variability in two monitoring wells with stratified VOC concentrations within the screened interval. The variability associated with No Purge LF with Mixing was between the other three low-flow methods and the SNAP sampler method.

- The SNAP Sampler Method Showed High Variability in Stratified Wells But Low Variability in Non-Stratified Wells: For the SNAP samplers, the monitoring variability was

highest in stratified wells (i.e., wells with >2x difference on VOC concentration at different depths within the screened interval. The SNAP Sampler collects groundwater using two 40 mL VOA vials that are vertically separated within the screened interval by approximately 12 inches. This provides a primary and back-up sample for analysis. For this field program, no effort was made to ensure that one vial (e.g., the upper vial) was consistently used for sample analysis. As a result, the high variability in stratified wells may be attributable to variations in analysis of the upper or lower sample vial between sampling events. Designating one vial (e.g., the upper vial) as the primary vial for analysis may serve to reduce the SNAP sampler variability in stratified wells.

- No Purge Low-Flow Sample Methods Show a Small Low Bias: The No Purge Low-Flow sampling methods (both with and without in-well mixing) showed a small low bias relative to the Low-Flow Purge methods (both Parameter Stability and 24L Purge). The median low bias for the No Purge methods was 10% to 20% compared to the Purge methods. Although small, the low bias was statistically significant. The SNAP Sampler (Passive No Purge) method did not show a significant low bias relative to the purge method. In addition, there was no bias between the Parameter Stability and 24 L purge results even though the Parameter Stability method typically resulted in purging of only 0.5 to 1 screen volumes (i.e., the volume of water within the screened interval of the monitoring well; one screen volume is 6L in a 2-inch monitoring well with a 10 ft screen) compared to 4 screen volumes for the 24L Purge method. These results suggest that the low bias in the No Purge Low-Flow methods is not due to loss of volatiles from unpurged water in the monitoring wells.

7. CONCLUSIONS AND IMPLICATIONS

The results from the three tasks together support the following overall project findings.

7.1 Long-term Trends vs. Short-Term Variability

- For Chlorinated Solvents, The Long-Term Change in Concentration is Typically Slow: For sites with chlorinated solvents, the long-term rate of concentration change is commonly relatively slow. For the Hill AFB dataset, the median first-order TCE attenuation rate (k_{point}) was 0.049 yr^{-1}, a half-life of 14 years. For 66% of wells, the half-life was greater than 5 years. Similar results were observed for the TCE plume at MCLB Albany (see Table 7.1).

  For a monitoring well with an attenuation half-life of 5 years, the long-term change in concentration is a 50% decrease every five years. If short-term variability results in similar concentration changes over a much shorter time period, then many years of monitoring data will be required before the long-term trend is apparent.

Table 7.1 Long-Term Attenuation Rates

Dataset	Total Wells	Median Attenuation Rate, k_{point} (yr^{-1})	Median Attenuation Half-Life (yr)	Percent of Wells with Half-Life Greater than Five Years
Hill AFB (TCE)	504	0.049	14	66%
MCLB Albany (TCE)	66	0.069	10	62%
UST (Benzene)	315	0.35	2.0	21%

- Most Concentration Change in Monitoring Records is Due to Short-Term Variability: Most of the variability in groundwater monitoring records based on quarterly or semi-annual monitoring of conventional monitoring wells is attributable to short-term variability rather than long-term changes in constituent concentrations. For the three datasets evaluated in Task 1, the long-term change in concentration accounted for only 30% to 40% of the variability in the monitoring records (see Table 7.2). The remaining variability (i.e., 60% to 70%) was attributable to short-term fluctuations in concentration.

Table 7.2 Concentration Trends in Groundwater Monitoring Wells

Dataset	Total Wells	Monitoring Events[1]	Decreasing Concentration		Increasing Concentration		Median R^2
			$p < 0.05$	$p > 0.05$	$p < 0.05$	$p > 0.05$	
Hill AFB	504	6 - 63 (18)	193 (38%)	140 (28%)	64 (13%)	107 (21%)	0.29
MCLB Albany	66	6 – 38 (17)	28 (42%)	25 (38%)	7 (11%)	9 (9%)	0.35
UST	315	6 – 84 (26)	189 (60%)	77 (24%)	8 (3%)	41 (13%)	0.39

Note: 1) Monitoring events = minimum - maximum (median)

- Current Monitoring Schemes are Inefficient: Because long-term concentration changes are typically slow (i.e., half-life of greater than five years) and short-term fluctuations occur quickly (i.e., on a time scale of less than three months), frequent monitoring (i.e., quarterly or semi-annual monitoring) serves mostly to characterize the short-term fluctuations in concentration that are unrelated to the long-term trend. As illustrated in Figure 7.1, more efficient monitoring schemes can be developed by tying the monitoring frequency to the time period required for the concentration change due to the long-term trend to be greater than the concentration change due to short-term variability.

  Based on the results obtained from this project, monitoring groundwater more than once per year, on average, typically does little to improve the characterization of the long-term concentration trend.

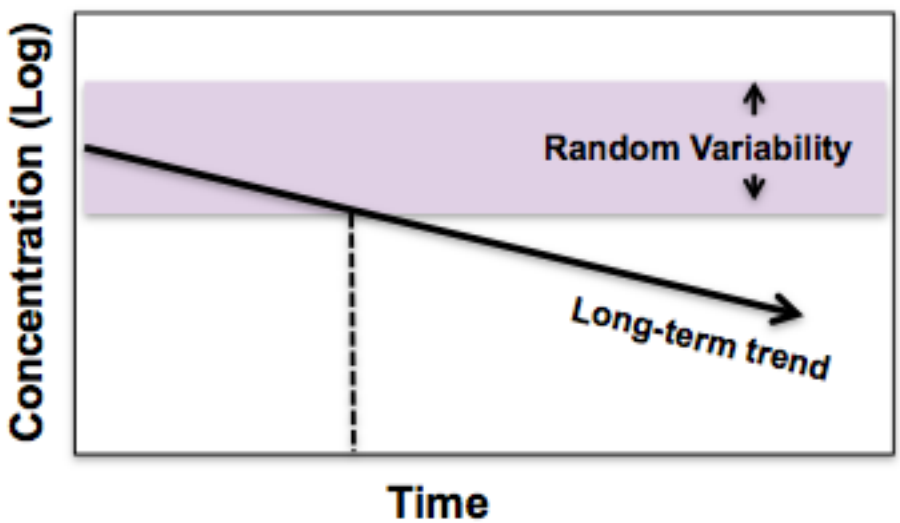

Figure 7.1 Conceptual Illustration of Monitoring Frequency Required to Characterize Long-Term Concentration Trends

7.2 Causes of Short-Term Variability in Groundwater Monitoring Results

- There are Large Variations in Contaminant Concentration In and Around a Monitoring Well: Several studies in recent years have documented significant variations in constituent concentrations within the screened interval of conventional monitoring wells and over small distances within an aquifer. A number of studies have documented vertical variations in VOC concentration (commonly >2x) within open monitoring wells (e.g., Vroblesky et al., 2000; Vroblesky and Peters, 2000; Huffman, 2002; Vroblesky et al., 2003). In addition, there has been an increased appreciation of the extreme heterogeneity in contaminant concentrations in groundwater plumes as shown by high-resolution sampling. For example, Guilbeault et al., 2005 showed that dissolved contaminant concentrations can vary by orders-of-magnitude over short vertical distances (up to four orders of magnitude over 30 centimeters at one site). Because of this spatial variability in contaminant distribution, it should not be surprising that

contaminant concentrations measured in conventional monitoring wells can vary significantly over short periods of time.

- There are Large Differences in the Amount of Short-Term Variability between Different Monitoring Wells: Within a single plume or site, there can be large differences in short-term variability between monitoring wells. Although differences in variability are correlated with specific aquifer characteristics including aquifer permeability (higher variability in more permeable zones), depth of well screen below water table (higher variability in wells screened closer to the water table) and depth to groundwater below ground surface (higher variability in deeper groundwater), these factors account for only a small fraction of the difference in variability between monitoring wells. Short-term variability did not appear to be correlated with average constituent concentration in wells, variability in groundwater elevation, or aquifer heterogeneity (i.e., number of soil layers penetrated by the well screen). In addition, there was no apparent spatial correlation in monitoring variability (i.e., highly variable wells were not clustered together and were not preferentially located in source areas or other specific regions of plumes).

- Sample Collection Methods and Procedures Can Affect Short-Term Monitoring Variability: The specific sample collection methods and procedures used to collect groundwater samples from monitoring wells can affect short-term variability. Certain types of no-purge sampling may serve to increase monitoring variability. When using low-flow purge and sample collection methods, the consistent use of improved sampling procedures such ensuring a constant sample collection depth within the screened interval, use of the bottom fill procedure for VOA vials, and not removing small bubbles from VOA vials can reduce variability.

7.3 Recommendations for Long-Term Monitoring Programs

1. Monitor Annually or Less Frequently: For most monitoring wells, monitoring constituent concentrations at a frequency of once per year or less is sufficient to characterize the long-term concentration trend. Monitoring more frequently than once per year serves primarily to characterize short-term variability and does not significantly improve the understanding of the long-term concentration trend. As part of ESTCP Project ER-201209, we will develop and validate a spreadsheet tool that can be used to optimize monitoring frequency based on a site-specific evaluation of the rate of the long-term concentration trend and the magnitude of short-term variability.

2. Consider Alternative Monitoring Schemes to Characterize the Long-Term Concentration Trend: For characterizing long-term concentration trends, consider monitoring schemes that do not use constant time intervals between sampling events. For example, the change in concentration over a five-year monitoring period might be best defined by the collection of four quarterly sampling during year one and four quarterly samples during year five with no samples collected during the years two, three, or four. Comparing the average concentration from year one to the average concentration from year five may provide the best characterization of the long-term trend while controlling for the effects of short-term variability.

3. Utilize Improved Groundwater Sampling Procedures: When using low-flow purge and sampling, use improved sample collection procedures that include i) constant sample collection depth, ii) the bottom fill method to fill VOA vials, and iii) no removal of small bubbles (e.g., <1 mL). Purging a fixed volume prior to sample collection is simpler than monitoring of purge parameters and yields results that are no more variable than purge to parameter stability. When using no-purge sampling methods, utilize a sampling procedure that ensures sample collection from a constant depth across sampling events. Improved sampling procedures to reduce monitoring variability will be further validated as part of ESTCP Project ER-201209.

4. Watch Out for Stratified Wells: In unpurged monitoring wells, constituent concentrations can vary significantly within the monitoring wells' screened interval when vertical temperature gradients or solute gradients inhibit in-well mixing (McHugh et al., 2012). This stratification can increase variability in monitoring results. The effects of stratification on monitoring variability can be reduced by i) purging at least three screen interval volumes prior to sample collection, ii) mechanically mixing the screen interval prior to sample collection, or iii) sampling shallow monitoring wells (<30 ft bgs) during late winter or early spring when these monitoring wells are thermally mixed.

5. Don't Collect Field Duplicates: Field duplicate samples provide little or no useful information concerning monitoring variability or sample quality. The variability in field duplicates (typically <10%) is much lower than the overall short-term variability in groundwater monitoring results (typically >20% and sometimes >10x). As a result, rather than providing useful information concerning field data quality, field duplicates provide a false sense of stability in the monitoring results. In addition, field duplicates provide little or no information about laboratory analytical quality beyond that already provide by laboratory QA samples (i.e., laboratory duplicates, matrix spikes, matrix spike duplicates, etc.).

6. Don't Overreact to Short-Term Concentration Changes: In most monitoring wells, constituent concentrations will exhibit short-term increases and decreases in concentration that are unrelated to the overall long-term concentration trend. At chlorinated solvent sites, the long-term attenuation rate is typically less than 0.14 yr^{-1} (i.e., a half-life of greater than 5 yrs). However constituent concentrations commonly increase or decrease by more than 2x and may increase or decrease by more than 10x over time periods of less than one year. Short-term apparently increasing concentration trends in individual monitoring wells should be evaluated in the context of the overall monitoring results for the site and the overall site conceptual model. An improved tool for identifying and interpreting long-term concentration trends and controlling for the potentially confounding effects of short-term variability will be developed and validated as part of ESTCP Project ER-201209.

7. Consider Replacing Highly Variable Monitoring Wells: At some sites, there are large differences in short-term variability between monitoring wells. These differences may not be explained by monitoring well location (e.g., source area vs. plume edge) or other identifiable site characteristics. In these cases, it may be possible to reduce the overall monitoring variability by replacing the most variable monitoring wells with new wells installed a short distance away.

8. REFERENCES

AFCEE. 2006. *Long-Term Monitoring Optimization Guide.* Air Force Center for Environmental Excellence, Environmental Restoration Division. November 2006. http://www.afcee.brooks.af.mil/products/rpo/docs/LTM06Guidance1212.pdf

Barcelona, M.J., et al. 2005. Ground Water Purging and Sampling Methods: History vs. Hysteria. *Ground Water Monitoring & Remediation* 25, No. 1: 52-62. Winter 2005.

Barcelona, M.J., et al. 1994. Reproducible Well-Purging Procedure and VOC Stabilization Criteria for Ground-Water Sampling. *Ground Water* 32, No. 1: 12-22. January-February 1994.

Britt S.L. 2005. Testing the In-Well Horizontal Laminar Flow Assumption with a Sand-Tank Well Model. *Ground Water Monitoring & Remediation* 25, no. 3: 73-81. Summer 2005.

Church, P. E. and G. E. Granato. 1996. "Bias in Ground-Water Data Caused by Well-Bore Flow in Long-Screen Wells". *Ground Water.* Vol. 34(2): 262-273.

Elci, A., F.J. Molz III, and W.R. Waldrop. 2001. Implications of Observed and Simulated Ambient Flow in Monitoring Wells. *Ground Water,* Vol 39, no. 6: 853-862. November-December 2001.

GSI Environmental. 2011a. Task 2 Interim Report, Evaluation of Short-Term Variability in Groundwater Monitoring Results, SERDP Project No. ER-1705. Issued January 2011.

GSI Environmental. 2011b. Task 3 Work Plan, Evaluation of Short-Term Variability in Groundwater Monitoring Results, SERDP Project No. ER-1705. Version 2 Issued August 2011.

GSI Environmental. 2010. Interim Report, Sources of Variability in Existing Groundwater Datasets, SERDP Project No. ER-1705. Issued January 2010.

Guilbeault, M.A., B.L. Parker, and J.A. Cherry. 2005. Mass and Flux Distributions from DNAPL Zones in Sandy Aquifers. *Ground Water*, Vol 43, no. 1: 70-86. January – February 2005.

Martin-Hayden, J.M. 2000. Sample Concentration Response to Laminar Wellbore Flow: Implications to Ground Water Data Variability. *Ground Water*, Vol 38, no. 1: 12-19. January–February 2000.

McHugh T.E., Newell, C., Landazuri, R., Molofsky, L., Adamson, D. 2012. The Influence of Seasonal Vertical Temperature Gradients on No Purge Sampling of Wells, *Remediation Journal*, Vol. 22, No. 4: 21-36.

Newell, C.J., Cowie, I., McGuire, T.M., and McNab, W. 2006. Multi-Year Temporal Changes In Chlorinated Solvent Concentrations at 23 MNA Sites, Journal of Environmental Engineering, American Society of Environmental Engineers, Vol. 132, Issue 6, pp. 653-663. June 2006.

Newell, C.J., H.S. Rifai, J.T. Wilson, J.A. Connor, J.J. Aziz, and M.P. Suarez. 2002. *Calculation and Use of First-Order Rate Constants For Monitored Natural Attenuation Studies*, U.S. EPA Remedial Technology Fact Sheet, U.S. Environmental Protection Agency. EPA/540/S-02/500, November 2002. http://www.epa.gov/ada/pubs/issue.html

Newell C.J., R.S. Lee, and A.H. Spexet. 2000. No-Purge Groundwater Sampling, An Approach for Long-Term Monitoring. Published by the American Petroleum Institute Soil and Groundwater Technical Task Force, Washington D.C. Bulletin No. 12. October 2000.

Pankow, J.F., and Cherry, J.A. 1996. Dense chlorinated solvents and other DNAPL's in groundwater: history, behavior, and remediation: Portland, Oreg., Waterloo Press, 522 p.

Parker, L., and Britt, S. 2012. The Effect of Bottle Fill Rate and Pour Technique on the Recovery of Volatile Organics, *Ground Water Monitoring & Remediation*, Vol. 32, No. 4.m pp. 78-86.

Powell, R.M. and R.W. Puls. 1993. "Passive Sampling of Groundwater Monitoring Wells Without Purging: Multilevel Well Chemistry and Tracer Disappearance". *Journal of*

Contaminant Hydrology. Vol. 12: 51-77.

ProHydro. 2011. Standard Operating Procedure for the Snap Sampler Passive Groundwater Sampling Method (March 2011)

Huffman, R. L. 2002. Comparison of passive diffusion bag samplers and submersible pump sampling methods for monitoring volatile organic compounds in ground water at Area 6, Naval Air Station Whidbey Island, Washington, U.S. Gelogical Survey WRIR-02-4203.

Hutchins, S.R. and S.D. Acree. 2000. Ground Water Sampling Bias Observed in Shallow, Conventional Wells. *Ground Water Monitoring & Remediation*, 86-93. Winter 2000.

U.S. EPA, 2004. *Guidance for Monitoring at Hazardous Waste Sites – Framework for Monitoring Plan Development and Implementation.* U.S. EPA Office of Solid Waste and Emergency Response. OSWER Directive No. 9355.4-28. January 2004.

USEPA. 1996. Ground Water Issue, Low-Flow (Minimal Drawdown) Ground-Water Sampling Procedures, Office of Solid Waste and Emergency Response, EPA/540/S-95/504, April 1996.

Varljen, M.D., et al. 2006. Numerical Simulations to Assess the Monitoring Zone Achieved during Low-Flow Purging and Sampling. *Ground Water Monitoring & Remediation* 26, no. 1: 44-52. Winter 2006.

Vroblesky, D. A., Borchers, J. W., Campbell, T. R., & Kinsey, W. 2000. Investigation of polyethylene passive diffusion samplers for sampling volatile organic compounds in ground water at Davis Global Communications, Sacramento, California, August 1998 to February 1999, U.S. Geological Survey Open File Report 00-307. U.S. Geological Survey: Columbia, South Carolina.

Vroblesky, D. A. & Peters, B. C. 2000. Diffusion sampler testing at Naval Air Station North Island, San Diego County, California, November 1999 to January 2000, U.S. Geological Survey, WRIR-00-4182. U.S. Geological Survey: Columbia, South Carolina.

Vroblesky, D.A. 2001. User's Guide for Polyethylene-Based Passive Diffusion Bag Samplers to Obtain Volatile Organic Compound Concentrations in Wells. U.S. Geological Survey, Water-Resources Investigations Report 01-4060. Columbia, South Carolina, 2001.

Vroblesky, D. A., Joshi, M., Morrell, J., & Peterson, J. E. 2003. Evaluation of passive diffusion bag and dialysis samplers and nylon-screen samplers in selected wells at Andersen Air Force Base, Guam, March-April 2002: U.S. Geological Survey WRIR-03-4157. U.S. Geological Survey: Columbia, South Carolina.

APPENDIX A:
SUMMARY OF RESULTS FROM TASK 3 FIELD PROGRAM

APPENDIX A.1 ANALYTICAL RESULTS FROM TASK 3 FIELD PROGRAM

APPENDIX A.2 RELATIVE PERCENT DIFFERENCES (RPDs) IN CONSTITUENT CONCENTRATIONS BETWEEN SAMPLES AND FIELD DUPLICATES

DataSet			Data Set (See Table 5.1)			Secondary 3	Secondary 3	Secondary 3	Secondary 3	Seconday 1
Sampling Round			Sampling Round			N/A	N/A	N/A	N/A	1
Sample Date			Sample Date			9/1/10	12/7/10	3/16/11	6/14/11	9/15/11
Sample Collection Method			Sample Collection Method			Low flow purge to parameter stability	Low flow purge to parameter stability	Low flow purge to parameter stability	Low flow purge to parameter stability	No Purge Low Flow
Parameter	**Chemical Properties @ 25°C**		**Well ID**	**Screen Interval**	**Well Diameter**	ug/L	ug/L	ug/L	ug/L	ug/L
Benzene	Hc (unitless)	0.227	MW-04	11 - 21	2	4800	4240	315	4970	4700
	Vapor Pressure (mm Hg)	95	MW-08	9 - 19	2	1690	1710	1430	1390	890
	Solubility (mg/L)	1770	MW-11	23 - 33	2	253	121	127	148	140 J
	Log Koc (Log (L/kg))	1.82	MW-40	15 - 20	4	408	207	147	200	160
	Log Kow (unitless)	2.13	MW-65	11 - 21	2	8290	4380	3480	4350	4100
			MW-66	13 - 18	2	10300	7580	8040	9100	6900
			MW-68	12 - 22	2	321	166	120	188	71 J
			MW-71	9 - 19	2	3570	963	3740	2340	1600
Ethylbenzene	Hc (unitless)	0.328	MW-04	11 - 21	2					760
	Vapor Pressure (mm Hg)	9.6	MW-08	9 - 19	2					400
	Solubility (mg/L)	169	MW-11	23 - 33	2					34 J
	Log Koc (Log (L/kg))	2.31	MW-40	15 - 20	4					130
	Log Kow (unitless)	3.15	MW-65	11 - 21	2					1400
			MW-66	13 - 18	2					4600
			MW-68	12 - 22	2					170
			MW-71	9 - 19	2					340
Vinyl Chloride	Hc (unitless)	3.49	MW-04	11 - 21	2	346000	204000	190000	227000	460000
	Vapor Pressure (mm Hg)	2800	MW-08	9 - 19	2	9890	8900	5900	3460	6700
	Solubility (mg/L)	2760	MW-11	23 - 33	2	50100	15300	16900	18600	40000
	Log Koc (Log (L/kg))	1.04	MW-40	15 - 20	4	51200	14500	10400	8820	8200
	Log Kow (unitless)	1.62	MW-65	11 - 21	2	530000	208000	210000	221000	350000
			MW-66	13 - 18	2	72100	70100	50400	58500	150000
			MW-68	12 - 22	2	39700	16800	5880	13300	8400
			MW-71	9 - 19	2	8600	521	57200	7620	130
Chlorobenzene	Hc (unitless)	0.182	MW-04	11 - 21	2					1200
	Vapor Pressure (mm Hg)	12.1	MW-08	9 - 19	2					160
	Solubility (mg/L)	502	MW-11	23 - 33	2					320
	Log Koc (Log (L/kg))	2.33	MW-40	15 - 20	4					500
	Log Kow (unitless)	2.84	MW-65	11 - 21	2					1700
			MW-66	13 - 18	2					2300
			MW-68	12 - 22	2					57 J
			MW-71	9 - 19	2					180
1,1-Dichloroethane	Hc (unitless)	0.239	MW-04	11 - 21	2					5700
	Vapor Pressure (mm Hg)	228	MW-08	9 - 19	2					390
	Solubility (mg/L)	5500	MW-11	23 - 33	2					1200
	Log Koc (Log (L/kg))	1.5	MW-40	15 - 20	4					750
	Log Kow (unitless)	1.79	MW-65	11 - 21	2					3700
			MW-66	13 - 18	2					2700
			MW-68	12 - 22	2					200
			MW-71	9 - 19	2					660

Notes:
1. Null cell = Not analyzed
2. < = Less than MDL
3. J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
4. * = LCS or LCSD exceeds the control limits
5. B = Compound was found in the blank and sample.

Purge Volumes (L)
MW-04
MW-08
MW-11
MW-40
MW-65
MW-66
MW-68
MW-71

DataSet	Primary	Duplicate	Seconday 1	Primary	Duplicate	Primary	Duplicate	Primary	Secondary 2
Sampling Round	1	1	1	1	1	1	1	1	
Sample Date	9/15/11	9/15/11	10/11/11	10/11/11	10/11/11	11/9/11	11/9/11	11/30/11	12/1/11
Sample Collection Method	Low flow purge to parameter stability	Low flow purge to parameter stability	No purge low flow (w/out mixing)	Low flow 24L purge	Low flow 24L purge	No purge low flow (w/out mixing)	No purge low flow (w/out mixing)	SNAP (Passive no purge)	Low flow purge to parameter stability
Parameter	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Benzene	4400		5200	5700		4300		4400	3640
	1300		930	830		740		220	879
	130		140	130		92		79	116 J
	140		120	82		77		32	36.4
	4200		4700	5500		3000		5000	3970
	7100	6900	5800	7400		4200		4700	3420
	74 J		64	110	110	52	39	77	59.8
	1600		1400	1800		1200		1400	1020
Ethylbenzene	820		870	800		790		770	
	620		350	790		410		140	
	27 J		44	33		19 J		12	
	150		140	69		97		4.7	
	1300		1600	2000		940		1200	
	4800	4600	4500	4500		3400		2800	
	160		170	280	300	140	69	190	
	280		440	510		320		200	
Vinyl Chloride	510000		190000	220000		170000		170000	181000
	10000		83	3400		1200		4900	1710
	46000		10000	13000		8000		5300	5800
	6200		830	230		280		79	68.6
	440000		220000	270000		120000		270000	166000
	160000	180000	65000	98000		78000		82000	68700
	9300		2400	4100	4200	1200	1300	3600	2830
	230		59	54		50		410	64.5
Chlorobenzene	1200		1200	1200		1300		1100	
	110		200	120		190		16	
	340		380	370		220		160	
	540		430	250		280		93	
	1700		1700	2100		1600		1700	
	2200	2200	1700	1700		1600		1000	
	51 J		53	57	60	42	33	51	
	150		240	260		190		170	
1,1-Dichloroethane	5400		6000	6100		3900		4900	
	350		680	250		370		130	
	1200		1100	1100		810		630	
	690		530	390		360		170	
	3900		3800	4200		2200		3700	
	2900	2900	3200	3900		2200		3500	
	190		180	170	180	150	150	140	
	610		730	770		470		580	

		Purge Volumes (L)		
	2.25		MW-04	5.17
	2.4		MW-08	6
	2.7		MW-11	3
	3.375		MW-40	5.25
	3		MW-65	6.9
	4.95		MW-66	4.25
	3		MW-68	3.75
	3.15		MW-71	5.4

DataSet	Primary	Duplicate	Secondary 1	Primary	Duplicate	Secondary 1	Primary	Duplicate	Primary
Sampling Round	1	1	2	2	2	2	2	2	2
Sample Date	12/20/11	12/20/11	1/18/12	1/18/12	1/18/12	2/8/12	2/8/12	2/8/12	2/29/12
Sample Collection Method	No purge low flow w/ in-well mixing	No purge low flow w/ in-well mixing	No purge low flow (w/out mixing)	Low flow purge to parameter stability	Low flow purge to parameter stability	No purge low flow (w/out mixing)	Low flow 24L purge	Low flow 24L purge	No purge low flow (w/out mixing)
Parameter	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Benzene	4700		4700	4500		4500	4800		4200
	700		640	620		410	210		480
	120		120	120		140	120	130	99
	55		33	68		120	160		99
	4200		4600	4200		4900	4800		3600
	3600	4000	4000	4400		4700	5100		4600
	57		120	110	110	120	140		160
	1300		3500	3800		3900	4400		4300
Ethylbenzene	600		610	680		830	890		680
	310		270	410		320	160		280
	22 J		27 J	19 J		31 J	29 J	28 J	17
	17 J		16	55		92	240		91
	810		1100	1200		1200	1500		1100
	1600	1300	1900	2200		2200	2700		2500
	92		200	200	200	270	180		300
	210		680	690		740	780		830
Vinyl Chloride	290000		190000	180000		160000	180000		180000 B
	3000		1300	2000		390	230		780
	9500		8900	9600		14000	13000	12000	11000 B
	1200		570	2100		3200	4600		1500 B
	240000		220000	260000		190000	170000		160000 B
	90000	94000	77000	96000		67000	68000		68000 B
	3700		7100	5000	4600	5900	4900		9600
	45		48000	49000		35000	39000		90000
Chlorobenzene	890		840	960		1100	1200		900
	120		130	85		120 B	47 B		130
	250		220	240		260	290	290	220
	93		61	170		320	570		340
	1200		1400	1300		1600	1700		1400
	620	610	740	850		1000	1200		1000
	37		<6	47 J	46 J	50	51		52
	160		120	120		130	160		160
1,1-Dichloroethane	5200		<5.5	<22		5300	5300		4700
	340		360	210		220	82		250
	930		880	950		1000	930	980	870
	290		150	300		450	610		430
	3400		3500	3300		3700	3800		2900
	2600	2800	2600	<5.5		3200	3300		3200
	170		160	150	140	150	130		140
	630		870	870		960	930		1200

Purge Volumes (L)	
MW-04	3.75
MW-08	3.125
MW-11	2.16
MW-40	3
MW-65	2.25
MW-66	2.025
MW-68	3.75
MW-71	2.85

DataSet	Duplicate	Primary	Primary	Duplicate	Secondary 1	Primary	Duplicate	Secondary 1
Sampling Round	2	2	2	2	3	3	3	3
Sample Date	2/29/12	3/22/12	4/17/12	4/17/12	5/2/12	5/2/12	5/2/12	5/23/12
Sample Collection Method	No purge low flow (w/out mixing)	SNAP (Passive no purge)	No purge low flow w/ in-well mixing	No purge low flow w/ in-well mixing	No purge low flow (w/out mixing)	Low flow purge to parameter stability	Low flow purge to parameter stability	No purge low flow (w/out mixing)
Parameter	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Benzene		4300	2800		2700	5000		2900
	450	170	740		560	640	730	780
		170	140	120	110	140		97 J
		80	120		50	160		130
		3300	1700		2100	3600		3000
		6500	4900		7000	7800		7500
		200	140		130	180		170
		4700	3100		2300	4700		3400
Ethylbenzene		870	430		140 J	600		350
	250	48	430		220	290	380	330
		35 J	35 J	32 J	9.4 J	17 J		<11
		93	160		46	190		160
		860	440		230	810		680
		4300	2900		3100	4000		4800
		470	340		190	310		210
		1100	490		220	530		350
Vinyl Chloride		220000	180000		360000	450000		500000 B
	650	8600	2700		4700	4200	3400	4800
		27000	22000	27000	23000	40000		43000 B
		2300	5000		2800	5100		6400 B
		180000	150000		260000	310000		250000
		71000	66000		77000	89000		130000 B
		10000	8000		8400	11000		10000 B
		69000	66000		63000	88000		59000
Chlorobenzene		1100	540		340	910		520
	120	10	170		110	91	110	150
		450	350	320	150	270		170
		300	450		160	590		450
		1100	530		430	1100		990
		1800	1200		1500	1700		2000
		60	46 J		30	46		46 J
		180	100		67	130 J		110
1,1-Dichloroethane		4700	4100		3300	5700		3400
	240	57	400		290	270	290	370
		1400	1300	1200	1000	1300		910
		320	570		230	680		610
		2900	1800		2000	3300		2500
		2600	2800		2400	2900		3500
		170	170		120	160		120
		1400	1200		740	1600		1100

Purge Volumes (L)	
MW-04	3
MW-08	2.775
MW-11	2.325
MW-40	3
MW-65	3.75
MW-66	3
MW-68	2.625
MW-71	3

DataSet	Primary	Duplicate	Primary	Duplicate	Seconday 2	Primary	Primary	Duplicate
Sampling Round	3	3	3	3		3	3	3
Sample Date	5/23/12	5/23/12	6/20/12	6/20/12	6/20/12	7/12/12	8/1/12	8/1/12
Sample Collection Method	Low flow 24L purge	Low flow 24L purge	No purge low flow (w/out mixing)	No purge low flow (w/out mixing)	Low flow purge to parameter stability	SNAP (Passive no purge)	No purge low flow w/ in-well mixing	No purge low flow w/ in-well mixing
Parameter	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Benzene	4900		3600		3540	4900	2700	
	720		720		744	780	550	590
	110	120	130 J	88 J	119	180	37 J	
	170		89		147	180	110	
	3800		1600		3780	2800	3200	
	7000		5600		5450	7900	5200	
	180		110		140	220	140	
	3800		3300		3220	3200	2100	
Ethylbenzene	640		360			1000	330	
	520		310			400	160	180
	23 J	24 J	<22	<11		42J	10 J	
	290		86			160	89	
	1200		140 J			850	840	
	4200		2800			6500	2200	
	250		180			480	290	
	630		390			520	170	
Vinyl Chloride	720000 B		270000		228000	220000	350000	
	4700		4500		2760	3700	2600	2300
	46000 B	34000	17000	17000	19400	36000	24000 B	
	7800 B		1500		3230	4600	2300	
	310000		110000		212000	190000	340000	
	170000 B		55000		73800	120000	110000	
	10000 B		8100		9920	18000	17000 B	
	48000		22000		17200	4900	9700	
Chlorobenzene	930		650			1300	530	
	130		120			160	100	110
	300	310	290	190		520	100	
	790		280			480	320	
	1400		290			990	1200	
	1700		1500			2600 E	1100	
	48 J		35			64	43	
	140		120 J			150	60	
1,1-Dichloroethane	5600		5000			5400	3700	
	270		350			330	340	360
	1100	1200	1200	810		1500	350	
	690		410			570	520	
	3200		2000			2500	2800	
	4100		2200			2300	2200	
	130		130			190	150	
	1100		1100			1000	740	

Purge Volumes (L)	
MW-04	3
MW-08	4.2
MW-11	3.375
MW-40	3.75
MW-65	3.6
MW-66	3
MW-68	3
MW-71	2.85

APPENDIX A.2
RELATIVE PERCENT DIFFERENCES (RPDs) IN CONSTITUENT CONCENTRATIONS BETWEEN SAMPLES AND FIELD DUPLICATES

Final Report: ER-1705, Improved Understanding of Sources of Variability in Groundwater Sampling for Long-Term Monitoring Programs

WellID	SampleDate	Sample ID	SampleCollectionMethod	Monitoring Well	Sample Date	1,1-Dichloroethane (ug/L)	RPD	Benzene (ug/L)	RPD	Chlorobenzene (ug/L)	RPD	Ethylbenzene (ug/L)	RPD	Vinyl Chloride (ug/L)	RPD	Avg. RPD 5 COCs
MW-08	2/29/12	MW-8-NP-2	No purge	MW-08	2/29/12	250	4.08%	480	6.45%	130	8.00%	280	11.32%	780	18.18%	9.61%
MW-08	2/29/12	MW-8-NP-2 Dup	No purge			240		450		120		250		650		
MW-08	5/2/12	MW-8-LF-1 Dup	Low flow to parameter stability	MW-08	5/2/12	290	7.14%	730	13.14%	110	18.91%	380	26.87%	3400	21.05%	17.42%
MW-08	5/2/12	MW-8-LF-3	Low flow to parameter stability			270		640		91		290		4200		
MW-08	8/1/12	MW-8-NPM-3	No Purge, In well mixing device	MW-08	8/1/12	340	5.71%	550	7.02%	100	9.52%	160	11.76%	2600	12.24%	9.25%
MW-08	8/1/12	MW-8-NPM-3 Dup	No Purge, In well mixing device			360		590		110		180		2300		
MW-11	2/8/12	MW-11-24-2	post 24 liter purge	MW-11	2/8/12	930	5.24%	120	8.00%	290	0.00%	29 J	3.51%	13000	8.00%	4.95%
MW-11	2/8/12	MW-11-24-2 Dup	post 24 liter purge			980		130		290		28 J		12000		
MW-11	4/17/12	MW-11-NPM-2	No Purge, In well mixing device	MW-11	4/17/12	1300	8.00%	140	15.38%	350	8.96%	35 J	8.96%	22000	20.41%	12.34%
MW-11	4/17/12	MW-11-NPM-2 Dup	No Purge, In well mixing device			1200		120		320		32 J		27000		
MW-11	5/23/12	MW-11-24-3	post 24 liter purge	MW-11	5/23/12	1100	8.70%	110	8.70%	300	3.28%	23 J	4.26%	46000	30.00%	10.99%
MW-11	5/23/12	MW-11-24-3 Dup	post 24 liter purge			1200		120		310		24 J		34000		
MW-11	6/20/12	MW-11-NP-3	No purge	MW-11	6/20/12	1200	38.81%	130 J	38.53%	290	41.67%	< 22	ND	17000	0.00%	29.75%
MW-11	6/20/12	MW-11-NP-3 Dup	No purge			810		88 J		190		< 11		17000		
MW-66	9/15/11	MW-66-LF-1	Low flow to parameter stability	MW-66	9/15/11	2900	0.00%	7100	2.86%	2200	0.00%	4800	4.26%	160000	11.76%	3.78%
MW-66	9/15/11	MW-66-LF-1 Dup	Low flow to parameter stability			2900		6900		2200		4600		180000		
MW-66	12/20/11	MW-66-NPM-1	No Purge, In well mixing device	MW-66	12/20/11	2600	7.41%	3600	10.53%	620	1.63%	1600	20.69%	90000	4.35%	8.92%
MW-66	12/20/11	MW-66-NPM-1 Dup	No Purge, In well mixing device			2800		4000		610		1300		94000		
MW-68	10/11/11	MW-68-24-1	post 24 liter purge	MW-68	10/11/11	170	5.71%	110	0.00%	57	5.13%	280	6.90%	4100	2.41%	4.03%
MW-68	10/11/11	MW-68-24-1 Dup	post 24 liter purge			180		110		60		300		4200		
MW-68	11/9/11	MW-68-NP-1	No purge	MW-68	11/9/11	150	0.00%	52	28.57%	42	24.00%	140	67.94%	1200	8.00%	25.70%
MW-68	11/9/11	MW-68-NP-1 Dup	No purge			150		39		33		69		1300		
MW-68	1/18/12	MW-68-LF-2	Low flow to parameter stability	MW-68	1/18/12	150	6.90%	110	0.00%	47 J	2.15%	200	0.00%	5000	8.33%	3.48%
MW-68	1/18/12	MW-68-LF-2 Dup	Low flow to parameter stability			140		110		46 J		200		4600		

APPENDIX B:
SCIENTIFIC/TECHNICAL PUBLICATIONS

McHugh T.E., Newell, C., Landazuri, R., Molofsky, L., Adamson, D. 2012. The Influence of Seasonal Vertical Temperature Gradients on No Purge Sampling of Wells, *Remediation Journal*, Vol. 22, No. 4: 21-36.

McHugh, T.E., Beckley, L.M., Liu, C.Y., Newell, C.J. 2011. Factors Influencing Variability in Groundwater Monitoring Data Sets, *Groundwater Monitoring and Remediation,* Vol. 31, No. 2.: 92-101. Spring 2011.

McHugh, T.E., Beckley, L.M., Hamel, K., Newell, C.J. 2013. The Magnitude and Causes of Short-Term Variability in Groundwater Monitoring Results. *Manuscript under Development.*

APPENDIX C:
LABORATORY REPORTS FOR TASK 3 FIELD PROGRAM

[Provided as Separate PDF]

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Tel: (713)690-4444

TestAmerica Job ID: 600-59032-1
Client Project/Site: G-3460 N-80

For:
Groundwater Services, Inc.
2211 Norfolk, Suite 1000
Houston, Texas 77098-4044

Attn: Ms. Kate Hamel

Authorized for release by:
8/8/2012 1:57:59 PM

Sachin Kudchadkar
Project Manager II
sachin.kudchadkar@testamericainc.com

LINKS

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Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-59032-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 600-59032-1

Laboratory: TestAmerica Houston

Narrative

Job Narrative
600-59032-1

Comments
No additional comments.

Receipt
The samples were received on 8/1/2012 10:43 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.1º C.

GC/MS VOA
Method(s) 8260B: The method blank for batch 85336 contained chloroform above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 8260B: The following sample(s) was diluted to bring the concentration of target analytes within the calibration range: MW-11-NPM-3 (600-59032-4), MW-4-NPM-3 (600-59032-8), MW-65-NPM-3 (600-59032-2), MW-66-NPM-3 (600-59032-7), MW-71-NPM-3 (600-59032-1). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The following sample(s) was diluted to bring the concentration of target analytes within the calibration range: DUP-NPM-3 (600-59032-9), MW-40-NPM-3 (600-59032-5), MW-8-NPM-3 (600-59032-3). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The method blank for batch 85624 contained Vinyl chloride, Chloroform and Methylene chloride above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

No other analytical or quality issues were noted.

Detection Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-59032-1

Client Sample ID: MW-71-NPM-3 — Lab Sample ID: 600-59032-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1800		100	20	ug/L	20		8260B	Total/NA
2-Butanone (MEK)	280		40	15	ug/L	20		8260B	Total/NA
Carbon disulfide	34	J	40	4.8	ug/L	20		8260B	Total/NA
Chlorobenzene	60		20	2.4	ug/L	20		8260B	Total/NA
Chloroform	6.1	J B	20	2.6	ug/L	20		8260B	Total/NA
1,1-Dichloroethane	740		20	2.2	ug/L	20		8260B	Total/NA
trans-1,2-Dichloroethene	82		20	1.8	ug/L	20		8260B	Total/NA
Ethylbenzene	170		20	2.2	ug/L	20		8260B	Total/NA
Methylene Chloride	12	J	100	3.0	ug/L	20		8260B	Total/NA
Toluene	43		20	3.0	ug/L	20		8260B	Total/NA
1,1,2-Trichloroethane	92		20	5.6	ug/L	20		8260B	Total/NA
m-Xylene & p-Xylene	4.4	J	20	3.4	ug/L	20		8260B	Total/NA
cis-1,2-Dichloroethene	29		20	1.2	ug/L	20		8260B	Total/NA
1,2-Dichloroethene, Total	110		20	6.0	ug/L	20		8260B	Total/NA
Benzene - DL	2100		500	40	ug/L	500		8260B	Total/NA
1,2-Dichloroethane - DL	7000		500	70	ug/L	500		8260B	Total/NA
Vinyl chloride - DL	9700		1000	55	ug/L	500		8260B	Total/NA

Client Sample ID: MW-65-NPM-3 — Lab Sample ID: 600-59032-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	280		100	12	ug/L	50		8260B	Total/NA
Chlorobenzene	1200		50	6.0	ug/L	50		8260B	Total/NA
Chloroform	74	B	50	6.5	ug/L	50		8260B	Total/NA
1,2-Dichloroethane	520		50	7.0	ug/L	50		8260B	Total/NA
1,1-Dichloroethene	1100		50	9.5	ug/L	50		8260B	Total/NA
Ethylbenzene	840		50	5.5	ug/L	50		8260B	Total/NA
Styrene	33	J	50	3.5	ug/L	50		8260B	Total/NA
Tetrachloroethene	100		50	6.5	ug/L	50		8260B	Total/NA
Toluene	220		50	7.5	ug/L	50		8260B	Total/NA
Trichloroethene	470		50	9.0	ug/L	50		8260B	Total/NA
o-Xylene	28	J	50	6.0	ug/L	50		8260B	Total/NA
m-Xylene & p-Xylene	48	J	50	8.5	ug/L	50		8260B	Total/NA
Xylenes, Total	76		50	13	ug/L	50		8260B	Total/NA
Benzene - DL	3200		500	40	ug/L	500		8260B	Total/NA
1,1-Dichloroethane - DL	2800		500	55	ug/L	500		8260B	Total/NA
trans-1,2-Dichloroethene - DL	4900		500	45	ug/L	500		8260B	Total/NA
cis-1,2-Dichloroethene - DL	710		500	30	ug/L	500		8260B	Total/NA
1,2-Dichloroethene, Total - DL	5600		500	150	ug/L	500		8260B	Total/NA
Vinyl chloride - DL2	340000		20000	1100	ug/L	10000		8260B	Total/NA

Client Sample ID: MW-8-NPM-3 — Lab Sample ID: 600-59032-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	13	J	25	5.0	ug/L	5		8260B	Total/NA
Carbon disulfide	5.8	J	10	1.2	ug/L	5		8260B	Total/NA
Chlorobenzene	100		5.0	0.60	ug/L	5		8260B	Total/NA
1,2-Dichloroethane	99		5.0	0.70	ug/L	5		8260B	Total/NA
1,1-Dichloroethene	30		5.0	0.95	ug/L	5		8260B	Total/NA
trans-1,2-Dichloroethene	160		5.0	0.45	ug/L	5		8260B	Total/NA
Ethylbenzene	160		5.0	0.55	ug/L	5		8260B	Total/NA
4-Methyl-2-pentanone (MIBK)	12		10	2.3	ug/L	5		8260B	Total/NA
Styrene	0.92	J	5.0	0.35	ug/L	5		8260B	Total/NA

Client Sample ID: MW-8-NPM-3 (Continued) — Lab Sample ID: 600-59032-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	38		5.0	0.75	ug/L	5		8260B	Total/NA
Trichloroethene	9.2		5.0	0.90	ug/L	5		8260B	Total/NA
o-Xylene	3.3	J	5.0	0.60	ug/L	5		8260B	Total/NA
m-Xylene & p-Xylene	3.8	J	5.0	0.85	ug/L	5		8260B	Total/NA
Xylenes, Total	7.1		5.0	1.3	ug/L	5		8260B	Total/NA
cis-1,2-Dichloroethene	18		5.0	0.30	ug/L	5		8260B	Total/NA
1,2-Dichloroethene, Total	180		5.0	1.5	ug/L	5		8260B	Total/NA
Benzene - DL	550		100	8.0	ug/L	100		8260B	Total/NA
1,1-Dichloroethane - DL	340		100	11	ug/L	100		8260B	Total/NA
Vinyl chloride - DL	2600		200	11	ug/L	100		8260B	Total/NA

Client Sample ID: MW-11-NPM-3 — Lab Sample ID: 600-59032-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	37	J	50	4.0	ug/L	50		8260B	Total/NA
Carbon disulfide	65	J	100	12	ug/L	50		8260B	Total/NA
Chlorobenzene	100		50	6.0	ug/L	50		8260B	Total/NA
Chloroform	16	J B	50	6.5	ug/L	50		8260B	Total/NA
1,1-Dichloroethane	350		50	5.5	ug/L	50		8260B	Total/NA
1,2-Dichloroethane	2400		50	7.0	ug/L	50		8260B	Total/NA
1,1-Dichloroethene	280		50	9.5	ug/L	50		8260B	Total/NA
trans-1,2-Dichloroethene	1100		50	4.5	ug/L	50		8260B	Total/NA
Ethylbenzene	10	J	50	5.5	ug/L	50		8260B	Total/NA
Trichloroethene	340		50	9.0	ug/L	50		8260B	Total/NA
cis-1,2-Dichloroethene	1800		50	3.0	ug/L	50		8260B	Total/NA
1,2-Dichloroethene, Total	2900		50	15	ug/L	50		8260B	Total/NA
Vinyl chloride - DL	24000	B	4000	220	ug/L	2000		8260B	Total/NA

Client Sample ID: MW-40-NPM-3 — Lab Sample ID: 600-59032-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	9.2	J	25	5.0	ug/L	5		8260B	Total/NA
Benzene	110		5.0	0.40	ug/L	5		8260B	Total/NA
1,2-Dichloroethane	9.4		5.0	0.70	ug/L	5		8260B	Total/NA
1,1-Dichloroethene	1.6	J	5.0	0.95	ug/L	5		8260B	Total/NA
trans-1,2-Dichloroethene	12		5.0	0.45	ug/L	5		8260B	Total/NA
Ethylbenzene	89		5.0	0.55	ug/L	5		8260B	Total/NA
Styrene	1.0	J	5.0	0.35	ug/L	5		8260B	Total/NA
Toluene	20		5.0	0.75	ug/L	5		8260B	Total/NA
Trichloroethene	2.6	J	5.0	0.90	ug/L	5		8260B	Total/NA
o-Xylene	0.97	J	5.0	0.60	ug/L	5		8260B	Total/NA
m-Xylene & p-Xylene	1.4	J	5.0	0.85	ug/L	5		8260B	Total/NA
Xylenes, Total	2.4	J	5.0	1.3	ug/L	5		8260B	Total/NA
cis-1,2-Dichloroethene	5.3		5.0	0.30	ug/L	5		8260B	Total/NA
1,2-Dichloroethene, Total	17		5.0	1.5	ug/L	5		8260B	Total/NA
Chlorobenzene - DL	320		100	12	ug/L	100		8260B	Total/NA
1,1-Dichloroethane - DL	520		100	11	ug/L	100		8260B	Total/NA
Vinyl chloride - DL	2300		200	11	ug/L	100		8260B	Total/NA

Client Sample ID: MW-68-NPM-3 — Lab Sample ID: 600-59032-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.2	J	5.0	0.99	ug/L	1		8260B	Total/NA

Client Sample ID: MW-68-NPM-3 (Continued) — Lab Sample ID: 600-59032-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	0.25	J	2.0	0.24	ug/L	1		8260B	Total/NA
Chlorobenzene	43		1.0	0.12	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	4.2		1.0	0.19	ug/L	1		8260B	Total/NA
4-Methyl-2-pentanone (MIBK)	2.3		2.0	0.45	ug/L	1		8260B	Total/NA
Styrene	0.43	J	1.0	0.070	ug/L	1		8260B	Total/NA
o-Xylene	1.5		1.0	0.12	ug/L	1		8260B	Total/NA
m-Xylene & p-Xylene	1.9		1.0	0.17	ug/L	1		8260B	Total/NA
Xylenes, Total	3.4		1.0	0.26	ug/L	1		8260B	Total/NA
Benzene - DL	140		20	1.6	ug/L	20		8260B	Total/NA
1,1-Dichloroethane - DL	150		20	2.2	ug/L	20		8260B	Total/NA
trans-1,2-Dichloroethene - DL	480		20	1.8	ug/L	20		8260B	Total/NA
Ethylbenzene - DL	290		20	2.2	ug/L	20		8260B	Total/NA
Toluene - DL	52		20	3.0	ug/L	20		8260B	Total/NA
Vinyl chloride - DL	17000	B	1000	55	ug/L	500		8260B	Total/NA
cis-1,2-Dichloroethene - DL	19	J	20	1.2	ug/L	20		8260B	Total/NA
1,2-Dichloroethene, Total - DL	500		20	6.0	ug/L	20		8260B	Total/NA

Client Sample ID: MW-66-NPM-3 — Lab Sample ID: 600-59032-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1300		250	50	ug/L	50		8260B	Total/NA
2-Butanone (MEK)	210		100	38	ug/L	50		8260B	Total/NA
Carbon disulfide	41	J	100	12	ug/L	50		8260B	Total/NA
Chlorobenzene	1100		50	6.0	ug/L	50		8260B	Total/NA
Chloroform	49	J B	50	6.5	ug/L	50		8260B	Total/NA
1,1-Dichloroethene	1400		50	9.5	ug/L	50		8260B	Total/NA
trans-1,2-Dichloroethene	1500		50	4.5	ug/L	50		8260B	Total/NA
Ethylbenzene	2200		50	5.5	ug/L	50		8260B	Total/NA
Methylene Chloride	190	J	250	7.5	ug/L	50		8260B	Total/NA
Styrene	860		50	3.5	ug/L	50		8260B	Total/NA
Tetrachloroethene	46	J	50	6.5	ug/L	50		8260B	Total/NA
Toluene	1700		50	7.5	ug/L	50		8260B	Total/NA
Trichloroethene	750		50	9.0	ug/L	50		8260B	Total/NA
o-Xylene	14	J	50	6.0	ug/L	50		8260B	Total/NA
m-Xylene & p-Xylene	19	J	50	8.5	ug/L	50		8260B	Total/NA
Xylenes, Total	33	J	50	13	ug/L	50		8260B	Total/NA
cis-1,2-Dichloroethene	810		50	3.0	ug/L	50		8260B	Total/NA
1,2-Dichloroethene, Total	2300		50	15	ug/L	50		8260B	Total/NA
Benzene - DL	5200		1000	80	ug/L	1000		8260B	Total/NA
1,1-Dichloroethane - DL	2200		1000	110	ug/L	1000		8260B	Total/NA
1,2-Dichloroethane - DL2	140000		10000	1400	ug/L	10000		8260B	Total/NA
1,1,2-Trichloroethane - DL2	93000		10000	2800	ug/L	10000		8260B	Total/NA
Vinyl chloride - DL2	110000		20000	1100	ug/L	10000		8260B	Total/NA

Client Sample ID: MW-4-NPM-3 — Lab Sample ID: 600-59032-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	120		100	38	ug/L	50		8260B	Total/NA
Carbon disulfide	130		100	12	ug/L	50		8260B	Total/NA
Chlorobenzene	530		50	6.0	ug/L	50		8260B	Total/NA
Chloroform	16	J B	50	6.5	ug/L	50		8260B	Total/NA
Ethylbenzene	330		50	5.5	ug/L	50		8260B	Total/NA
Styrene	9.2	J	50	3.5	ug/L	50		8260B	Total/NA

Detection Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-59032-1

Client Sample ID: MW-4-NPM-3 (Continued) — Lab Sample ID: 600-59032-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	140		50	6.5	ug/L	50		8260B	Total/NA
Toluene	120		50	7.5	ug/L	50		8260B	Total/NA
1,1,2-Trichloroethane	170		50	14	ug/L	50		8260B	Total/NA
Trichloroethene	910		50	9.0	ug/L	50		8260B	Total/NA
o-Xylene	9.6	J	50	6.0	ug/L	50		8260B	Total/NA
m-Xylene & p-Xylene	17	J	50	8.5	ug/L	50		8260B	Total/NA
Xylenes, Total	27	J	50	13	ug/L	50		8260B	Total/NA
Benzene - DL	2700		500	40	ug/L	500		8260B	Total/NA
1,1-Dichloroethane - DL	3700		500	55	ug/L	500		8260B	Total/NA
1,1-Dichloroethene - DL	5200		500	95	ug/L	500		8260B	Total/NA
trans-1,2-Dichloroethene - DL	5800		500	45	ug/L	500		8260B	Total/NA
cis-1,2-Dichloroethene - DL	3300		500	30	ug/L	500		8260B	Total/NA
1,2-Dichloroethene, Total - DL	9100		500	150	ug/L	500		8260B	Total/NA
1,2-Dichloroethane - DL2	39000		10000	1400	ug/L	10000		8260B	Total/NA
Vinyl chloride - DL2	350000		20000	1100	ug/L	10000		8260B	Total/NA

Client Sample ID: DUP-NPM-3 — Lab Sample ID: 600-59032-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	13	J	25	5.0	ug/L	5		8260B	Total/NA
Carbon disulfide	8.9	J	10	1.2	ug/L	5		8260B	Total/NA
Chlorobenzene	110		5.0	0.60	ug/L	5		8260B	Total/NA
1,2-Dichloroethane	100		5.0	0.70	ug/L	5		8260B	Total/NA
1,1-Dichloroethene	30		5.0	0.95	ug/L	5		8260B	Total/NA
trans-1,2-Dichloroethene	180		5.0	0.45	ug/L	5		8260B	Total/NA
Ethylbenzene	180		5.0	0.55	ug/L	5		8260B	Total/NA
4-Methyl-2-pentanone (MIBK)	12		10	2.3	ug/L	5		8260B	Total/NA
Styrene	0.93	J	5.0	0.35	ug/L	5		8260B	Total/NA
Toluene	43		5.0	0.75	ug/L	5		8260B	Total/NA
Trichloroethene	9.8		5.0	0.90	ug/L	5		8260B	Total/NA
o-Xylene	3.8	J	5.0	0.60	ug/L	5		8260B	Total/NA
m-Xylene & p-Xylene	3.6	J	5.0	0.85	ug/L	5		8260B	Total/NA
Xylenes, Total	7.4		5.0	1.3	ug/L	5		8260B	Total/NA
cis-1,2-Dichloroethene	16		5.0	0.30	ug/L	5		8260B	Total/NA
1,2-Dichloroethene, Total	200		5.0	1.5	ug/L	5		8260B	Total/NA
Benzene - DL	590		100	8.0	ug/L	100		8260B	Total/NA
1,1-Dichloroethane - DL	360		100	11	ug/L	100		8260B	Total/NA
Vinyl chloride - DL	2300		200	11	ug/L	100		8260B	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 600-59032-10

No Detections

Client Sample Results

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-59032-1

Client Sample ID: MW-71-NPM-3

Lab Sample ID: 600-59032-1

Date Collected: 08/01/12 08:05

Matrix: Water

Date Received: 08/01/12 10:43

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**1800**		100	20	ug/L			08/02/12 20:34	20
Chlorobromomethane	3.6	U	20	3.6	ug/L			08/02/12 20:34	20
Bromoform	3.8	U	20	3.8	ug/L			08/02/12 20:34	20
Bromomethane	5.0	U	40	5.0	ug/L			08/02/12 20:34	20
2-Butanone (MEK)	**280**		40	15	ug/L			08/02/12 20:34	20
Carbon disulfide	**34**	**J**	40	4.8	ug/L			08/02/12 20:34	20
Carbon tetrachloride	3.0	U	20	3.0	ug/L			08/02/12 20:34	20
Dibromochloromethane	3.0	U	20	3.0	ug/L			08/02/12 20:34	20
Chlorobenzene	**60**		20	2.4	ug/L			08/02/12 20:34	20
Chloroethane	1.6	U	40	1.6	ug/L			08/02/12 20:34	20
Chloroform	**6.1**	**J B**	20	2.6	ug/L			08/02/12 20:34	20
Chloromethane	3.6	U	40	3.6	ug/L			08/02/12 20:34	20
1,1-Dichloroethane	**740**		20	2.2	ug/L			08/02/12 20:34	20
1,1-Dichloroethene	3.8	U	20	3.8	ug/L			08/02/12 20:34	20
trans-1,2-Dichloroethene	**82**		20	1.8	ug/L			08/02/12 20:34	20
1,2-Dichloropropane	3.2	U	20	3.2	ug/L			08/02/12 20:34	20
cis-1,3-Dichloropropene	3.6	U	20	3.6	ug/L			08/02/12 20:34	20
trans-1,3-Dichloropropene	4.2	U	20	4.2	ug/L			08/02/12 20:34	20
Ethylbenzene	**170**		20	2.2	ug/L			08/02/12 20:34	20
2-Hexanone	7.0	U	40	7.0	ug/L			08/02/12 20:34	20
Methylene Chloride	**12**	**J**	100	3.0	ug/L			08/02/12 20:34	20
4-Methyl-2-pentanone (MIBK)	9.0	U	40	9.0	ug/L			08/02/12 20:34	20
Styrene	1.4	U	20	1.4	ug/L			08/02/12 20:34	20
1,1,2,2-Tetrachloroethane	4.4	U	20	4.4	ug/L			08/02/12 20:34	20
Tetrachloroethene	2.6	U	20	2.6	ug/L			08/02/12 20:34	20
Toluene	**43**		20	3.0	ug/L			08/02/12 20:34	20
1,1,1-Trichloroethane	3.0	U	20	3.0	ug/L			08/02/12 20:34	20
1,1,2-Trichloroethane	**92**		20	5.6	ug/L			08/02/12 20:34	20
Trichloroethene	3.6	U	20	3.6	ug/L			08/02/12 20:34	20
Vinyl acetate	4.2	U	40	4.2	ug/L			08/02/12 20:34	20
o-Xylene	2.4	U	20	2.4	ug/L			08/02/12 20:34	20
m-Xylene & p-Xylene	**4.4**	**J**	20	3.4	ug/L			08/02/12 20:34	20
Xylenes, Total	5.2	U	20	5.2	ug/L			08/02/12 20:34	20
cis-1,2-Dichloroethene	**29**		20	1.2	ug/L			08/02/12 20:34	20
Bromodichloromethane	3.2	U	20	3.2	ug/L			08/02/12 20:34	20
1,2-Dichloroethene, Total	**110**		20	6.0	ug/L			08/02/12 20:34	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*88*		*70 - 130*		*08/02/12 20:34*	*20*
Dibromofluoromethane	*82*		*62 - 130*		*08/02/12 20:34*	*20*
4-Bromofluorobenzene	*84*		*67 - 139*		*08/02/12 20:34*	*20*
1,2-Dichloroethane-d4 (Surr)	*80*		*50 - 134*		*08/02/12 20:34*	*20*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**2100**		500	40	ug/L			08/02/12 19:08	500
1,2-Dichloroethane	**7000**		500	70	ug/L			08/02/12 19:08	500
Vinyl chloride	**9700**		1000	55	ug/L			08/02/12 19:08	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*88*		*70 - 130*		*08/02/12 19:08*	*500*

Client Sample ID: MW-71-NPM-3

Lab Sample ID: 600-59032-1

Date Collected: 08/01/12 08:05

Matrix: Water

Date Received: 08/01/12 10:43

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	*80*		*62 - 130*		*08/02/12 19:08*	*500*
4-Bromofluorobenzene	*82*		*67 - 139*		*08/02/12 19:08*	*500*
1,2-Dichloroethane-d4 (Surr)	*78*		*50 - 134*		*08/02/12 19:08*	*500*

Client Sample ID: MW-65-NPM-3

Lab Sample ID: 600-59032-2

Date Collected: 08/01/12 08:15

Matrix: Water

Date Received: 08/01/12 10:43

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	50	U	250	50	ug/L			08/02/12 15:19	50
Chlorobromomethane	9.0	U	50	9.0	ug/L			08/02/12 15:19	50
Bromoform	9.5	U	50	9.5	ug/L			08/02/12 15:19	50
Bromomethane	13	U	100	13	ug/L			08/02/12 15:19	50
2-Butanone (MEK)	38	U	100	38	ug/L			08/02/12 15:19	50
Carbon disulfide	**280**		100	12	ug/L			08/02/12 15:19	50
Carbon tetrachloride	7.5	U	50	7.5	ug/L			08/02/12 15:19	50
Dibromochloromethane	7.5	U	50	7.5	ug/L			08/02/12 15:19	50
Chlorobenzene	**1200**		50	6.0	ug/L			08/02/12 15:19	50
Chloroethane	4.0	U	100	4.0	ug/L			08/02/12 15:19	50
Chloroform	**74**	**B**	50	6.5	ug/L			08/02/12 15:19	50
Chloromethane	9.0	U	100	9.0	ug/L			08/02/12 15:19	50
1,2-Dichloroethane	**520**		50	7.0	ug/L			08/02/12 15:19	50
1,1-Dichloroethene	**1100**		50	9.5	ug/L			08/02/12 15:19	50
1,2-Dichloropropane	8.0	U	50	8.0	ug/L			08/02/12 15:19	50
cis-1,3-Dichloropropene	9.0	U	50	9.0	ug/L			08/02/12 15:19	50
trans-1,3-Dichloropropene	11	U	50	11	ug/L			08/02/12 15:19	50
Ethylbenzene	**840**		50	5.5	ug/L			08/02/12 15:19	50
2-Hexanone	18	U	100	18	ug/L			08/02/12 15:19	50
Methylene Chloride	7.5	U	250	7.5	ug/L			08/02/12 15:19	50
4-Methyl-2-pentanone (MIBK)	23	U	100	23	ug/L			08/02/12 15:19	50
Styrene	**33**	**J**	50	3.5	ug/L			08/02/12 15:19	50
1,1,2,2-Tetrachloroethane	11	U	50	11	ug/L			08/02/12 15:19	50
Tetrachloroethene	**100**		50	6.5	ug/L			08/02/12 15:19	50
Toluene	**220**		50	7.5	ug/L			08/02/12 15:19	50
1,1,1-Trichloroethane	7.5	U	50	7.5	ug/L			08/02/12 15:19	50
1,1,2-Trichloroethane	14	U	50	14	ug/L			08/02/12 15:19	50
Trichloroethene	**470**		50	9.0	ug/L			08/02/12 15:19	50
Vinyl acetate	11	U	100	11	ug/L			08/02/12 15:19	50
o-Xylene	**28**	**J**	50	6.0	ug/L			08/02/12 15:19	50
m-Xylene & p-Xylene	**48**	**J**	50	8.5	ug/L			08/02/12 15:19	50
Xylenes, Total	**76**		50	13	ug/L			08/02/12 15:19	50
Bromodichloromethane	8.0	U	50	8.0	ug/L			08/02/12 15:19	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*87*		*70 - 130*		*08/02/12 15:19*	*50*
Dibromofluoromethane	*81*		*62 - 130*		*08/02/12 15:19*	*50*
4-Bromofluorobenzene	*81*		*67 - 139*		*08/02/12 15:19*	*50*
1,2-Dichloroethane-d4 (Surr)	*80*		*50 - 134*		*08/02/12 15:19*	*50*

Client Sample Results

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-59032-1

Client Sample ID: MW-65-NPM-3

Lab Sample ID: 600-59032-2

Date Collected: 08/01/12 08:15
Matrix: Water
Date Received: 08/01/12 10:43

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**3200**		500	40	ug/L			08/02/12 21:03	500
1,1-Dichloroethane	**2800**		500	55	ug/L			08/02/12 21:03	500
trans-1,2-Dichloroethene	**4900**		500	45	ug/L			08/02/12 21:03	500
cis-1,2-Dichloroethene	**710**		500	30	ug/L			08/02/12 21:03	500
1,2-Dichloroethene, Total	**5600**		500	150	ug/L			08/02/12 21:03	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*87*		*70 - 130*		*08/02/12 21:03*	*500*
Dibromofluoromethane	*81*		*62 - 130*		*08/02/12 21:03*	*500*
4-Bromofluorobenzene	*81*		*67 - 139*		*08/02/12 21:03*	*500*
1,2-Dichloroethane-d4 (Surr)	*82*		*50 - 134*		*08/02/12 21:03*	*500*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**340000**		20000	1100	ug/L			08/02/12 19:37	10000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*88*		*70 - 130*		*08/02/12 19:37*	*10000*
Dibromofluoromethane	*78*		*62 - 130*		*08/02/12 19:37*	*10000*
4-Bromofluorobenzene	*81*		*67 - 139*		*08/02/12 19:37*	*10000*
1,2-Dichloroethane-d4 (Surr)	*78*		*50 - 134*		*08/02/12 19:37*	*10000*

Client Sample ID: MW-8-NPM-3

Lab Sample ID: 600-59032-3

Date Collected: 08/01/12 08:30
Matrix: Water
Date Received: 08/01/12 10:43

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**13**	**J**	25	5.0	ug/L			08/06/12 14:55	5
Chlorobromomethane	0.90	U	5.0	0.90	ug/L			08/06/12 14:55	5
Bromoform	0.95	U	5.0	0.95	ug/L			08/06/12 14:55	5
Bromomethane	1.3	U	10	1.3	ug/L			08/06/12 14:55	5
2-Butanone (MEK)	3.8	U	10	3.8	ug/L			08/06/12 14:55	5
Carbon disulfide	**5.8**	**J**	10	1.2	ug/L			08/06/12 14:55	5
Carbon tetrachloride	0.75	U	5.0	0.75	ug/L			08/06/12 14:55	5
Dibromochloromethane	0.75	U	5.0	0.75	ug/L			08/06/12 14:55	5
Chlorobenzene	**100**		5.0	0.60	ug/L			08/06/12 14:55	5
Chloroethane	0.40	U	10	0.40	ug/L			08/06/12 14:55	5
Chloroform	0.65	U	5.0	0.65	ug/L			08/06/12 14:55	5
Chloromethane	0.90	U	10	0.90	ug/L			08/06/12 14:55	5
1,2-Dichloroethane	**99**		5.0	0.70	ug/L			08/06/12 14:55	5
1,1-Dichloroethene	**30**		5.0	0.95	ug/L			08/06/12 14:55	5
trans-1,2-Dichloroethene	**160**		5.0	0.45	ug/L			08/06/12 14:55	5
1,2-Dichloropropane	0.80	U	5.0	0.80	ug/L			08/06/12 14:55	5
cis-1,3-Dichloropropene	0.90	U	5.0	0.90	ug/L			08/06/12 14:55	5
trans-1,3-Dichloropropene	1.1	U	5.0	1.1	ug/L			08/06/12 14:55	5
Ethylbenzene	**160**		5.0	0.55	ug/L			08/06/12 14:55	5
2-Hexanone	1.8	U	10	1.8	ug/L			08/06/12 14:55	5
Methylene Chloride	0.75	U	25	0.75	ug/L			08/06/12 14:55	5
4-Methyl-2-pentanone (MIBK)	**12**		10	2.3	ug/L			08/06/12 14:55	5
Styrene	**0.92**	**J**	5.0	0.35	ug/L			08/06/12 14:55	5
1,1,2,2-Tetrachloroethane	1.1	U	5.0	1.1	ug/L			08/06/12 14:55	5

Client Sample ID: MW-8-NPM-3

Lab Sample ID: 600-59032-3

Date Collected: 08/01/12 08:30

Matrix: Water

Date Received: 08/01/12 10:43

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	0.65	U	5.0	0.65	ug/L			08/06/12 14:55	5
Toluene	**38**		5.0	0.75	ug/L			08/06/12 14:55	5
1,1,1-Trichloroethane	0.75	U	5.0	0.75	ug/L			08/06/12 14:55	5
1,1,2-Trichloroethane	1.4	U	5.0	1.4	ug/L			08/06/12 14:55	5
Trichloroethene	**9.2**		5.0	0.90	ug/L			08/06/12 14:55	5
Vinyl acetate	1.1	U	10	1.1	ug/L			08/06/12 14:55	5
o-Xylene	**3.3**	**J**	5.0	0.60	ug/L			08/06/12 14:55	5
m-Xylene & p-Xylene	**3.8**	**J**	5.0	0.85	ug/L			08/06/12 14:55	5
Xylenes, Total	**7.1**		5.0	1.3	ug/L			08/06/12 14:55	5
cis-1,2-Dichloroethene	**18**		5.0	0.30	ug/L			08/06/12 14:55	5
Bromodichloromethane	0.80	U	5.0	0.80	ug/L			08/06/12 14:55	5
1,2-Dichloroethene, Total	**180**		5.0	1.5	ug/L			08/06/12 14:55	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*85*		*70 - 130*		*08/06/12 14:55*	*5*
Dibromofluoromethane	*80*		*62 - 130*		*08/06/12 14:55*	*5*
4-Bromofluorobenzene	*80*		*67 - 139*		*08/06/12 14:55*	*5*
1,2-Dichloroethane-d4 (Surr)	*82*		*50 - 134*		*08/06/12 14:55*	*5*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**550**		100	8.0	ug/L			08/06/12 15:24	100
1,1-Dichloroethane	**340**		100	11	ug/L			08/06/12 15:24	100
Vinyl chloride	**2600**		200	11	ug/L			08/06/12 15:24	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*87*		*70 - 130*		*08/06/12 15:24*	*100*
Dibromofluoromethane	*80*		*62 - 130*		*08/06/12 15:24*	*100*
4-Bromofluorobenzene	*82*		*67 - 139*		*08/06/12 15:24*	*100*
1,2-Dichloroethane-d4 (Surr)	*78*		*50 - 134*		*08/06/12 15:24*	*100*

Client Sample ID: MW-11-NPM-3

Lab Sample ID: 600-59032-4

Date Collected: 08/01/12 08:40

Matrix: Water

Date Received: 08/01/12 10:43

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	50	U	250	50	ug/L			08/02/12 16:16	50
Benzene	**37**	**J**	50	4.0	ug/L			08/02/12 16:16	50
Chlorobromomethane	9.0	U	50	9.0	ug/L			08/02/12 16:16	50
Bromoform	9.5	U	50	9.5	ug/L			08/02/12 16:16	50
Bromomethane	13	U	100	13	ug/L			08/02/12 16:16	50
2-Butanone (MEK)	38	U	100	38	ug/L			08/02/12 16:16	50
Carbon disulfide	**65**	**J**	100	12	ug/L			08/02/12 16:16	50
Carbon tetrachloride	7.5	U	50	7.5	ug/L			08/02/12 16:16	50
Dibromochloromethane	7.5	U	50	7.5	ug/L			08/02/12 16:16	50
Chlorobenzene	**100**		50	6.0	ug/L			08/02/12 16:16	50
Chloroethane	4.0	U	100	4.0	ug/L			08/02/12 16:16	50
Chloroform	**16**	**J B**	50	6.5	ug/L			08/02/12 16:16	50
Chloromethane	9.0	U	100	9.0	ug/L			08/02/12 16:16	50
1,1-Dichloroethane	**350**		50	5.5	ug/L			08/02/12 16:16	50
1,2-Dichloroethane	**2400**		50	7.0	ug/L			08/02/12 16:16	50

Client Sample ID: MW-11-NPM-3

Lab Sample ID: 600-59032-4

Date Collected: 08/01/12 08:40

Matrix: Water

Date Received: 08/01/12 10:43

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	**280**		50	9.5	ug/L			08/02/12 16:16	50
trans-1,2-Dichloroethene	**1100**		50	4.5	ug/L			08/02/12 16:16	50
1,2-Dichloropropane	8.0	U	50	8.0	ug/L			08/02/12 16:16	50
cis-1,3-Dichloropropene	9.0	U	50	9.0	ug/L			08/02/12 16:16	50
trans-1,3-Dichloropropene	11	U	50	11	ug/L			08/02/12 16:16	50
Ethylbenzene	**10**	**J**	50	5.5	ug/L			08/02/12 16:16	50
2-Hexanone	18	U	100	18	ug/L			08/02/12 16:16	50
Methylene Chloride	7.5	U	250	7.5	ug/L			08/02/12 16:16	50
4-Methyl-2-pentanone (MIBK)	23	U	100	23	ug/L			08/02/12 16:16	50
Styrene	3.5	U	50	3.5	ug/L			08/02/12 16:16	50
1,1,2,2-Tetrachloroethane	11	U	50	11	ug/L			08/02/12 16:16	50
Tetrachloroethene	6.5	U	50	6.5	ug/L			08/02/12 16:16	50
Toluene	7.5	U	50	7.5	ug/L			08/02/12 16:16	50
1,1,1-Trichloroethane	7.5	U	50	7.5	ug/L			08/02/12 16:16	50
1,1,2-Trichloroethane	14	U	50	14	ug/L			08/02/12 16:16	50
Trichloroethene	**340**		50	9.0	ug/L			08/02/12 16:16	50
Vinyl acetate	11	U	100	11	ug/L			08/02/12 16:16	50
o-Xylene	6.0	U	50	6.0	ug/L			08/02/12 16:16	50
m-Xylene & p-Xylene	8.5	U	50	8.5	ug/L			08/02/12 16:16	50
Xylenes, Total	13	U	50	13	ug/L			08/02/12 16:16	50
cis-1,2-Dichloroethene	**1800**		50	3.0	ug/L			08/02/12 16:16	50
Bromodichloromethane	8.0	U	50	8.0	ug/L			08/02/12 16:16	50
1,2-Dichloroethene, Total	**2900**		50	15	ug/L			08/02/12 16:16	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*87*		*70 - 130*		*08/02/12 16:16*	*50*
Dibromofluoromethane	*79*		*62 - 130*		*08/02/12 16:16*	*50*
4-Bromofluorobenzene	*83*		*67 - 139*		*08/02/12 16:16*	*50*
1,2-Dichloroethane-d4 (Surr)	*79*		*50 - 134*		*08/02/12 16:16*	*50*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**24000**	**B**	4000	220	ug/L			08/03/12 13:02	2000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*88*		*70 - 130*		*08/03/12 13:02*	*2000*
Dibromofluoromethane	*82*		*62 - 130*		*08/03/12 13:02*	*2000*
4-Bromofluorobenzene	*80*		*67 - 139*		*08/03/12 13:02*	*2000*
1,2-Dichloroethane-d4 (Surr)	*84*		*50 - 134*		*08/03/12 13:02*	*2000*

Client Sample ID: MW-40-NPM-3

Lab Sample ID: 600-59032-5

Date Collected: 08/01/12 08:55

Matrix: Water

Date Received: 08/01/12 10:43

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**9.2**	**J**	25	5.0	ug/L			08/06/12 12:32	5
Benzene	**110**		5.0	0.40	ug/L			08/06/12 12:32	5
Chlorobromomethane	0.90	U	5.0	0.90	ug/L			08/06/12 12:32	5
Bromoform	0.95	U	5.0	0.95	ug/L			08/06/12 12:32	5
Bromomethane	1.3	U	10	1.3	ug/L			08/06/12 12:32	5
2-Butanone (MEK)	3.8	U	10	3.8	ug/L			08/06/12 12:32	5

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-59032-1

Client Sample ID: MW-40-NPM-3

Lab Sample ID: 600-59032-5

Date Collected: 08/01/12 08:55
Matrix: Water
Date Received: 08/01/12 10:43

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	1.2	U	10	1.2	ug/L			08/06/12 12:32	5
Carbon tetrachloride	0.75	U	5.0	0.75	ug/L			08/06/12 12:32	5
Dibromochloromethane	0.75	U	5.0	0.75	ug/L			08/06/12 12:32	5
Chloroethane	0.40	U	10	0.40	ug/L			08/06/12 12:32	5
Chloroform	0.65	U	5.0	0.65	ug/L			08/06/12 12:32	5
Chloromethane	0.90	U	10	0.90	ug/L			08/06/12 12:32	5
1,2-Dichloroethane	**9.4**		5.0	0.70	ug/L			08/06/12 12:32	5
1,1-Dichloroethene	**1.6**	**J**	5.0	0.95	ug/L			08/06/12 12:32	5
trans-1,2-Dichloroethene	**12**		5.0	0.45	ug/L			08/06/12 12:32	5
1,2-Dichloropropane	0.80	U	5.0	0.80	ug/L			08/06/12 12:32	5
cis-1,3-Dichloropropene	0.90	U	5.0	0.90	ug/L			08/06/12 12:32	5
trans-1,3-Dichloropropene	1.1	U	5.0	1.1	ug/L			08/06/12 12:32	5
Ethylbenzene	**89**		5.0	0.55	ug/L			08/06/12 12:32	5
2-Hexanone	1.8	U	10	1.8	ug/L			08/06/12 12:32	5
Methylene Chloride	0.75	U	25	0.75	ug/L			08/06/12 12:32	5
4-Methyl-2-pentanone (MIBK)	2.3	U	10	2.3	ug/L			08/06/12 12:32	5
Styrene	**1.0**	**J**	5.0	0.35	ug/L			08/06/12 12:32	5
1,1,2,2-Tetrachloroethane	1.1	U	5.0	1.1	ug/L			08/06/12 12:32	5
Tetrachloroethene	0.65	U	5.0	0.65	ug/L			08/06/12 12:32	5
Toluene	**20**		5.0	0.75	ug/L			08/06/12 12:32	5
1,1,1-Trichloroethane	0.75	U	5.0	0.75	ug/L			08/06/12 12:32	5
1,1,2-Trichloroethane	1.4	U	5.0	1.4	ug/L			08/06/12 12:32	5
Trichloroethene	**2.6**	**J**	5.0	0.90	ug/L			08/06/12 12:32	5
Vinyl acetate	1.1	U	10	1.1	ug/L			08/06/12 12:32	5
o-Xylene	**0.97**	**J**	5.0	0.60	ug/L			08/06/12 12:32	5
m-Xylene & p-Xylene	**1.4**	**J**	5.0	0.85	ug/L			08/06/12 12:32	5
Xylenes, Total	**2.4**	**J**	5.0	1.3	ug/L			08/06/12 12:32	5
cis-1,2-Dichloroethene	**5.3**		5.0	0.30	ug/L			08/06/12 12:32	5
Bromodichloromethane	0.80	U	5.0	0.80	ug/L			08/06/12 12:32	5
1,2-Dichloroethene, Total	**17**		5.0	1.5	ug/L			08/06/12 12:32	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*85*		*70 - 130*		*08/06/12 12:32*	*5*
Dibromofluoromethane	*86*		*62 - 130*		*08/06/12 12:32*	*5*
4-Bromofluorobenzene	*77*		*67 - 139*		*08/06/12 12:32*	*5*
1,2-Dichloroethane-d4 (Surr)	*86*		*50 - 134*		*08/06/12 12:32*	*5*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	**320**		100	12	ug/L			08/06/12 13:58	100
1,1-Dichloroethane	**520**		100	11	ug/L			08/06/12 13:58	100
Vinyl chloride	**2300**		200	11	ug/L			08/06/12 13:58	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*86*		*70 - 130*		*08/06/12 13:58*	*100*
Dibromofluoromethane	*81*		*62 - 130*		*08/06/12 13:58*	*100*
4-Bromofluorobenzene	*79*		*67 - 139*		*08/06/12 13:58*	*100*
1,2-Dichloroethane-d4 (Surr)	*79*		*50 - 134*		*08/06/12 13:58*	*100*

Client Sample Results

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-59032-1

Client Sample ID: MW-68-NPM-3

Lab Sample ID: 600-59032-6

Date Collected: 08/01/12 09:05
Matrix: Water
Date Received: 08/01/12 10:43

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**4.2**	**J**	5.0	0.99	ug/L			08/02/12 14:22	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			08/02/12 14:22	1
Bromoform	0.19	U	1.0	0.19	ug/L			08/02/12 14:22	1
Bromomethane	0.25	U	2.0	0.25	ug/L			08/02/12 14:22	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			08/02/12 14:22	1
Carbon disulfide	**0.25**	**J**	2.0	0.24	ug/L			08/02/12 14:22	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			08/02/12 14:22	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			08/02/12 14:22	1
Chlorobenzene	**43**		1.0	0.12	ug/L			08/02/12 14:22	1
Chloroethane	0.080	U	2.0	0.080	ug/L			08/02/12 14:22	1
Chloroform	0.13	U	1.0	0.13	ug/L			08/02/12 14:22	1
Chloromethane	0.18	U	2.0	0.18	ug/L			08/02/12 14:22	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			08/02/12 14:22	1
1,1-Dichloroethene	**4.2**		1.0	0.19	ug/L			08/02/12 14:22	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			08/02/12 14:22	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			08/02/12 14:22	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			08/02/12 14:22	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			08/02/12 14:22	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			08/02/12 14:22	1
4-Methyl-2-pentanone (MIBK)	**2.3**		2.0	0.45	ug/L			08/02/12 14:22	1
Styrene	**0.43**	**J**	1.0	0.070	ug/L			08/02/12 14:22	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			08/02/12 14:22	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			08/02/12 14:22	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			08/02/12 14:22	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			08/02/12 14:22	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			08/02/12 14:22	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			08/02/12 14:22	1
o-Xylene	**1.5**		1.0	0.12	ug/L			08/02/12 14:22	1
m-Xylene & p-Xylene	**1.9**		1.0	0.17	ug/L			08/02/12 14:22	1
Xylenes, Total	**3.4**		1.0	0.26	ug/L			08/02/12 14:22	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			08/02/12 14:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*82*		*70 - 130*		*08/02/12 14:22*	*1*
Dibromofluoromethane	*82*		*62 - 130*		*08/02/12 14:22*	*1*
4-Bromofluorobenzene	*76*		*67 - 139*		*08/02/12 14:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*50 - 134*		*08/02/12 14:22*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**140**		20	1.6	ug/L			08/02/12 20:06	20
1,1-Dichloroethane	**150**		20	2.2	ug/L			08/02/12 20:06	20
trans-1,2-Dichloroethene	**480**		20	1.8	ug/L			08/02/12 20:06	20
Ethylbenzene	**290**		20	2.2	ug/L			08/02/12 20:06	20
Toluene	**52**		20	3.0	ug/L			08/02/12 20:06	20
Vinyl chloride	**17000**	**B**	1000	55	ug/L			08/03/12 13:30	500
cis-1,2-Dichloroethene	**19**	**J**	20	1.2	ug/L			08/02/12 20:06	20
1,2-Dichloroethene, Total	**500**		20	6.0	ug/L			08/02/12 20:06	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*90*		*70 - 130*		*08/02/12 20:06*	*20*
Toluene-d8 (Surr)	*86*		*70 - 130*		*08/03/12 13:30*	*500*

Client Sample ID: MW-68-NPM-3

Lab Sample ID: 600-59032-6

Date Collected: 08/01/12 09:05

Matrix: Water

Date Received: 08/01/12 10:43

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	79		62 - 130		08/02/12 20:06	20
Dibromofluoromethane	78		62 - 130		08/03/12 13:30	500
4-Bromofluorobenzene	82		67 - 139		08/02/12 20:06	20
4-Bromofluorobenzene	81		67 - 139		08/03/12 13:30	500
1,2-Dichloroethane-d4 (Surr)	81		50 - 134		08/02/12 20:06	20
1,2-Dichloroethane-d4 (Surr)	81		50 - 134		08/03/12 13:30	500

Client Sample ID: MW-66-NPM-3

Lab Sample ID: 600-59032-7

Date Collected: 08/01/12 09:15

Matrix: Water

Date Received: 08/01/12 10:43

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**1300**		250	50	ug/L			08/02/12 17:42	50
Chlorobromomethane	9.0	U	50	9.0	ug/L			08/02/12 17:42	50
Bromoform	9.5	U	50	9.5	ug/L			08/02/12 17:42	50
Bromomethane	13	U	100	13	ug/L			08/02/12 17:42	50
2-Butanone (MEK)	**210**		100	38	ug/L			08/02/12 17:42	50
Carbon disulfide	**41**	**J**	100	12	ug/L			08/02/12 17:42	50
Carbon tetrachloride	7.5	U	50	7.5	ug/L			08/02/12 17:42	50
Dibromochloromethane	7.5	U	50	7.5	ug/L			08/02/12 17:42	50
Chlorobenzene	**1100**		50	6.0	ug/L			08/02/12 17:42	50
Chloroethane	4.0	U	100	4.0	ug/L			08/02/12 17:42	50
Chloroform	**49**	**J B**	50	6.5	ug/L			08/02/12 17:42	50
Chloromethane	9.0	U	100	9.0	ug/L			08/02/12 17:42	50
1,1-Dichloroethene	**1400**		50	9.5	ug/L			08/02/12 17:42	50
trans-1,2-Dichloroethene	**1500**		50	4.5	ug/L			08/02/12 17:42	50
1,2-Dichloropropane	8.0	U	50	8.0	ug/L			08/02/12 17:42	50
cis-1,3-Dichloropropene	9.0	U	50	9.0	ug/L			08/02/12 17:42	50
trans-1,3-Dichloropropene	11	U	50	11	ug/L			08/02/12 17:42	50
Ethylbenzene	**2200**		50	5.5	ug/L			08/02/12 17:42	50
2-Hexanone	18	U	100	18	ug/L			08/02/12 17:42	50
Methylene Chloride	**190**	**J**	250	7.5	ug/L			08/02/12 17:42	50
4-Methyl-2-pentanone (MIBK)	23	U	100	23	ug/L			08/02/12 17:42	50
Styrene	**860**		50	3.5	ug/L			08/02/12 17:42	50
1,1,2,2-Tetrachloroethane	11	U	50	11	ug/L			08/02/12 17:42	50
Tetrachloroethene	**46**	**J**	50	6.5	ug/L			08/02/12 17:42	50
Toluene	**1700**		50	7.5	ug/L			08/02/12 17:42	50
1,1,1-Trichloroethane	7.5	U	50	7.5	ug/L			08/02/12 17:42	50
Trichloroethene	**750**		50	9.0	ug/L			08/02/12 17:42	50
Vinyl acetate	11	U	100	11	ug/L			08/02/12 17:42	50
o-Xylene	**14**	**J**	50	6.0	ug/L			08/02/12 17:42	50
m-Xylene & p-Xylene	**19**	**J**	50	8.5	ug/L			08/02/12 17:42	50
Xylenes, Total	**33**	**J**	50	13	ug/L			08/02/12 17:42	50
cis-1,2-Dichloroethene	**810**		50	3.0	ug/L			08/02/12 17:42	50
Bromodichloromethane	8.0	U	50	8.0	ug/L			08/02/12 17:42	50
1,2-Dichloroethene, Total	**2300**		50	15	ug/L			08/02/12 17:42	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	90		70 - 130		08/02/12 17:42	50
Dibromofluoromethane	80		62 - 130		08/02/12 17:42	50

Client Sample ID: MW-66-NPM-3

Lab Sample ID: 600-59032-7

Date Collected: 08/01/12 09:15

Matrix: Water

Date Received: 08/01/12 10:43

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	82		67 - 139		08/02/12 17:42	50
1,2-Dichloroethane-d4 (Surr)	83		50 - 134		08/02/12 17:42	50

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**5200**		1000	80	ug/L			08/06/12 16:50	1000
1,1-Dichloroethane	**2200**		1000	110	ug/L			08/06/12 16:50	1000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	88		70 - 130		08/06/12 16:50	1000
Dibromofluoromethane	81		62 - 130		08/06/12 16:50	1000
4-Bromofluorobenzene	81		67 - 139		08/06/12 16:50	1000
1,2-Dichloroethane-d4 (Surr)	80		50 - 134		08/06/12 16:50	1000

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	**140000**		10000	1400	ug/L			08/06/12 17:18	10000
1,1,2-Trichloroethane	**93000**		10000	2800	ug/L			08/06/12 17:18	10000
Vinyl chloride	**110000**		20000	1100	ug/L			08/06/12 17:18	10000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	88		70 - 130		08/06/12 17:18	10000
Dibromofluoromethane	83		62 - 130		08/06/12 17:18	10000
4-Bromofluorobenzene	80		67 - 139		08/06/12 17:18	10000
1,2-Dichloroethane-d4 (Surr)	82		50 - 134		08/06/12 17:18	10000

Client Sample ID: MW-4-NPM-3

Lab Sample ID: 600-59032-8

Date Collected: 08/01/12 09:25

Matrix: Water

Date Received: 08/01/12 10:43

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	50	U	250	50	ug/L			08/02/12 18:11	50
Chlorobromomethane	9.0	U	50	9.0	ug/L			08/02/12 18:11	50
Bromoform	9.5	U	50	9.5	ug/L			08/02/12 18:11	50
Bromomethane	13	U	100	13	ug/L			08/02/12 18:11	50
2-Butanone (MEK)	**120**		100	38	ug/L			08/02/12 18:11	50
Carbon disulfide	**130**		100	12	ug/L			08/02/12 18:11	50
Carbon tetrachloride	7.5	U	50	7.5	ug/L			08/02/12 18:11	50
Dibromochloromethane	7.5	U	50	7.5	ug/L			08/02/12 18:11	50
Chlorobenzene	**530**		50	6.0	ug/L			08/02/12 18:11	50
Chloroethane	4.0	U	100	4.0	ug/L			08/02/12 18:11	50
Chloroform	**16**	**J B**	50	6.5	ug/L			08/02/12 18:11	50
Chloromethane	9.0	U	100	9.0	ug/L			08/02/12 18:11	50
1,2-Dichloropropane	8.0	U	50	8.0	ug/L			08/02/12 18:11	50
cis-1,3-Dichloropropene	9.0	U	50	9.0	ug/L			08/02/12 18:11	50
trans-1,3-Dichloropropene	11	U	50	11	ug/L			08/02/12 18:11	50
Ethylbenzene	**330**		50	5.5	ug/L			08/02/12 18:11	50
2-Hexanone	18	U	100	18	ug/L			08/02/12 18:11	50
Methylene Chloride	7.5	U	250	7.5	ug/L			08/02/12 18:11	50
4-Methyl-2-pentanone (MIBK)	23	U	100	23	ug/L			08/02/12 18:11	50
Styrene	**9.2**	**J**	50	3.5	ug/L			08/02/12 18:11	50

Client Sample ID: MW-4-NPM-3

Lab Sample ID: 600-59032-8

Date Collected: 08/01/12 09:25

Matrix: Water

Date Received: 08/01/12 10:43

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	11	U	50	11	ug/L			08/02/12 18:11	50
Tetrachloroethene	**140**		50	6.5	ug/L			08/02/12 18:11	50
Toluene	**120**		50	7.5	ug/L			08/02/12 18:11	50
1,1,1-Trichloroethane	7.5	U	50	7.5	ug/L			08/02/12 18:11	50
1,1,2-Trichloroethane	**170**		50	14	ug/L			08/02/12 18:11	50
Trichloroethene	**910**		50	9.0	ug/L			08/02/12 18:11	50
Vinyl acetate	11	U	100	11	ug/L			08/02/12 18:11	50
o-Xylene	**9.6**	**J**	50	6.0	ug/L			08/02/12 18:11	50
m-Xylene & p-Xylene	**17**	**J**	50	8.5	ug/L			08/02/12 18:11	50
Xylenes, Total	**27**	**J**	50	13	ug/L			08/02/12 18:11	50
Bromodichloromethane	8.0	U	50	8.0	ug/L			08/02/12 18:11	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*89*		*70 - 130*		*08/02/12 18:11*	*50*
Dibromofluoromethane	*85*		*62 - 130*		*08/02/12 18:11*	*50*
4-Bromofluorobenzene	*83*		*67 - 139*		*08/02/12 18:11*	*50*
1,2-Dichloroethane-d4 (Surr)	*84*		*50 - 134*		*08/02/12 18:11*	*50*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**2700**		500	40	ug/L			08/06/12 17:47	500
1,1-Dichloroethane	**3700**		500	55	ug/L			08/06/12 17:47	500
1,1-Dichloroethene	**5200**		500	95	ug/L			08/06/12 17:47	500
trans-1,2-Dichloroethene	**5800**		500	45	ug/L			08/06/12 17:47	500
cis-1,2-Dichloroethene	**3300**		500	30	ug/L			08/06/12 17:47	500
1,2-Dichloroethene, Total	**9100**		500	150	ug/L			08/06/12 17:47	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*89*		*70 - 130*		*08/06/12 17:47*	*500*
Dibromofluoromethane	*80*		*62 - 130*		*08/06/12 17:47*	*500*
4-Bromofluorobenzene	*83*		*67 - 139*		*08/06/12 17:47*	*500*
1,2-Dichloroethane-d4 (Surr)	*77*		*50 - 134*		*08/06/12 17:47*	*500*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	**39000**		10000	1400	ug/L			08/06/12 18:15	10000
Vinyl chloride	**350000**		20000	1100	ug/L			08/06/12 18:15	10000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*88*		*70 - 130*		*08/06/12 18:15*	*10000*
Dibromofluoromethane	*82*		*62 - 130*		*08/06/12 18:15*	*10000*
4-Bromofluorobenzene	*83*		*67 - 139*		*08/06/12 18:15*	*10000*
1,2-Dichloroethane-d4 (Surr)	*77*		*50 - 134*		*08/06/12 18:15*	*10000*

Client Sample ID: DUP-NPM-3

Lab Sample ID: 600-59032-9

Date Collected: 08/01/12 00:00

Matrix: Water

Date Received: 08/01/12 10:43

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**13**	**J**	25	5.0	ug/L			08/06/12 15:53	5
Chlorobromomethane	0.90	U	5.0	0.90	ug/L			08/06/12 15:53	5

Client Sample ID: DUP-NPM-3

Lab Sample ID: 600-59032-9

Date Collected: 08/01/12 00:00

Matrix: Water

Date Received: 08/01/12 10:43

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	0.95	U	5.0	0.95	ug/L			08/06/12 15:53	5
Bromomethane	1.3	U	10	1.3	ug/L			08/06/12 15:53	5
2-Butanone (MEK)	3.8	U	10	3.8	ug/L			08/06/12 15:53	5
Carbon disulfide	**8.9**	**J**	10	1.2	ug/L			08/06/12 15:53	5
Carbon tetrachloride	0.75	U	5.0	0.75	ug/L			08/06/12 15:53	5
Dibromochloromethane	0.75	U	5.0	0.75	ug/L			08/06/12 15:53	5
Chlorobenzene	**110**		5.0	0.60	ug/L			08/06/12 15:53	5
Chloroethane	0.40	U	10	0.40	ug/L			08/06/12 15:53	5
Chloroform	0.65	U	5.0	0.65	ug/L			08/06/12 15:53	5
Chloromethane	0.90	U	10	0.90	ug/L			08/06/12 15:53	5
1,2-Dichloroethane	**100**		5.0	0.70	ug/L			08/06/12 15:53	5
1,1-Dichloroethene	**30**		5.0	0.95	ug/L			08/06/12 15:53	5
trans-1,2-Dichloroethene	**180**		5.0	0.45	ug/L			08/06/12 15:53	5
1,2-Dichloropropane	0.80	U	5.0	0.80	ug/L			08/06/12 15:53	5
cis-1,3-Dichloropropene	0.90	U	5.0	0.90	ug/L			08/06/12 15:53	5
trans-1,3-Dichloropropene	1.1	U	5.0	1.1	ug/L			08/06/12 15:53	5
Ethylbenzene	**180**		5.0	0.55	ug/L			08/06/12 15:53	5
2-Hexanone	1.8	U	10	1.8	ug/L			08/06/12 15:53	5
Methylene Chloride	0.75	U	25	0.75	ug/L			08/06/12 15:53	5
4-Methyl-2-pentanone (MIBK)	**12**		10	2.3	ug/L			08/06/12 15:53	5
Styrene	**0.93**	**J**	5.0	0.35	ug/L			08/06/12 15:53	5
1,1,2,2-Tetrachloroethane	1.1	U	5.0	1.1	ug/L			08/06/12 15:53	5
Tetrachloroethene	0.65	U	5.0	0.65	ug/L			08/06/12 15:53	5
Toluene	**43**		5.0	0.75	ug/L			08/06/12 15:53	5
1,1,1-Trichloroethane	0.75	U	5.0	0.75	ug/L			08/06/12 15:53	5
1,1,2-Trichloroethane	1.4	U	5.0	1.4	ug/L			08/06/12 15:53	5
Trichloroethene	**9.8**		5.0	0.90	ug/L			08/06/12 15:53	5
Vinyl acetate	1.1	U	10	1.1	ug/L			08/06/12 15:53	5
o-Xylene	**3.8**	**J**	5.0	0.60	ug/L			08/06/12 15:53	5
m-Xylene & p-Xylene	**3.6**	**J**	5.0	0.85	ug/L			08/06/12 15:53	5
Xylenes, Total	**7.4**		5.0	1.3	ug/L			08/06/12 15:53	5
cis-1,2-Dichloroethene	**16**		5.0	0.30	ug/L			08/06/12 15:53	5
Bromodichloromethane	0.80	U	5.0	0.80	ug/L			08/06/12 15:53	5
1,2-Dichloroethene, Total	**200**		5.0	1.5	ug/L			08/06/12 15:53	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*82*		*70 - 130*		*08/06/12 15:53*	*5*
Dibromofluoromethane	*83*		*62 - 130*		*08/06/12 15:53*	*5*
4-Bromofluorobenzene	*79*		*67 - 139*		*08/06/12 15:53*	*5*
1,2-Dichloroethane-d4 (Surr)	*82*		*50 - 134*		*08/06/12 15:53*	*5*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**590**		100	8.0	ug/L			08/06/12 16:21	100
1,1-Dichloroethane	**360**		100	11	ug/L			08/06/12 16:21	100
Vinyl chloride	**2300**		200	11	ug/L			08/06/12 16:21	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*86*		*70 - 130*		*08/06/12 16:21*	*100*
Dibromofluoromethane	*81*		*62 - 130*		*08/06/12 16:21*	*100*
4-Bromofluorobenzene	*81*		*67 - 139*		*08/06/12 16:21*	*100*
1,2-Dichloroethane-d4 (Surr)	*78*		*50 - 134*		*08/06/12 16:21*	*100*

Client Sample Results

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-59032-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 600-59032-10

Date Collected: 08/01/12 00:00

Matrix: Water

Date Received: 08/01/12 10:43

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			08/02/12 13:53	1
Benzene	0.080	U	1.0	0.080	ug/L			08/02/12 13:53	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			08/02/12 13:53	1
Bromoform	0.19	U	1.0	0.19	ug/L			08/02/12 13:53	1
Bromomethane	0.25	U	2.0	0.25	ug/L			08/02/12 13:53	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			08/02/12 13:53	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			08/02/12 13:53	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			08/02/12 13:53	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			08/02/12 13:53	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			08/02/12 13:53	1
Chloroethane	0.080	U	2.0	0.080	ug/L			08/02/12 13:53	1
Chloroform	0.13	U	1.0	0.13	ug/L			08/02/12 13:53	1
Chloromethane	0.18	U	2.0	0.18	ug/L			08/02/12 13:53	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			08/02/12 13:53	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			08/02/12 13:53	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			08/02/12 13:53	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			08/02/12 13:53	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			08/02/12 13:53	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			08/02/12 13:53	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			08/02/12 13:53	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			08/02/12 13:53	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			08/02/12 13:53	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			08/02/12 13:53	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			08/02/12 13:53	1
Styrene	0.070	U	1.0	0.070	ug/L			08/02/12 13:53	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			08/02/12 13:53	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			08/02/12 13:53	1
Toluene	0.15	U	1.0	0.15	ug/L			08/02/12 13:53	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			08/02/12 13:53	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			08/02/12 13:53	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			08/02/12 13:53	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			08/02/12 13:53	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			08/02/12 13:53	1
o-Xylene	0.12	U	1.0	0.12	ug/L			08/02/12 13:53	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			08/02/12 13:53	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			08/02/12 13:53	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			08/02/12 13:53	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			08/02/12 13:53	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			08/02/12 13:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*89*		*70 - 130*		*08/02/12 13:53*	*1*
Dibromofluoromethane	*82*		*62 - 130*		*08/02/12 13:53*	*1*
4-Bromofluorobenzene	*79*		*67 - 139*		*08/02/12 13:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*83*		*50 - 134*		*08/02/12 13:53*	*1*

Surrogate Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-59032-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DBFM	BFB	12DCE
Lab Sample ID	Client Sample ID	(70-130)	(62-130)	(67-139)	(50-134)
600-59032-1 - DL	MW-71-NPM-3	88	80	82	78
600-59032-1	MW-71-NPM-3	88	82	84	80
600-59032-2	MW-65-NPM-3	87	81	81	80
600-59032-2 - DL2	MW-65-NPM-3	88	78	81	78
600-59032-2 - DL	MW-65-NPM-3	87	81	81	82
600-59032-3	MW-8-NPM-3	85	80	80	82
600-59032-3 - DL	MW-8-NPM-3	87	80	82	78
600-59032-4	MW-11-NPM-3	87	79	83	79
600-59032-4 - DL	MW-11-NPM-3	88	82	80	84
600-59032-4 MS - DL	MW-11-NPM-3	87	83	80	78
600-59032-4 MSD - DL	MW-11-NPM-3	85	78	81	77
600-59032-5	MW-40-NPM-3	85	86	77	86
600-59032-5 - DL	MW-40-NPM-3	86	81	79	79
600-59032-5 MS - DL	MW-40-NPM-3	86	82	82	83
600-59032-5 MSD - DL	MW-40-NPM-3	87	83	81	81
600-59032-6	MW-68-NPM-3	82	82	76	94
600-59032-6 - DL	MW-68-NPM-3	90	79	82	81
600-59032-6 - DL	MW-68-NPM-3	86	78	81	81
600-59032-7	MW-66-NPM-3	90	80	82	83
600-59032-7 - DL	MW-66-NPM-3	88	81	81	80
600-59032-7 - DL2	MW-66-NPM-3	88	83	80	82
600-59032-8	MW-4-NPM-3	89	85	83	84
600-59032-8 - DL	MW-4-NPM-3	89	80	83	77
600-59032-8 - DL2	MW-4-NPM-3	88	82	83	77
600-59032-9	DUP-NPM-3	82	83	79	82
600-59032-9 - DL	DUP-NPM-3	86	81	81	78
600-59032-10	TRIP BLANK	89	82	79	83
LCS 600-85336/3	Lab Control Sample	88	81	82	83
LCS 600-85624/3	Lab Control Sample	86	84	82	78
LCS 600-85625/3	Lab Control Sample	88	82	82	81
MB 600-85336/4	Method Blank	87	81	80	84
MB 600-85624/4	Method Blank	87	83	82	83
MB 600-85625/4	Method Blank	89	80	78	83

Surrogate Legend

TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane
BFB = 4-Bromofluorobenzene
12DCE = 1,2-Dichloroethane-d4 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 600-85336/4
Matrix: Water
Analysis Batch: 85336

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			08/02/12 11:00	1
Benzene	0.080	U	1.0	0.080	ug/L			08/02/12 11:00	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			08/02/12 11:00	1
Bromoform	0.19	U	1.0	0.19	ug/L			08/02/12 11:00	1
Bromomethane	0.25	U	2.0	0.25	ug/L			08/02/12 11:00	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			08/02/12 11:00	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			08/02/12 11:00	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			08/02/12 11:00	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			08/02/12 11:00	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			08/02/12 11:00	1
Chloroethane	0.080	U	2.0	0.080	ug/L			08/02/12 11:00	1
Chloroform	0.415	J	1.0	0.13	ug/L			08/02/12 11:00	1
Chloromethane	0.18	U	2.0	0.18	ug/L			08/02/12 11:00	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			08/02/12 11:00	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			08/02/12 11:00	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			08/02/12 11:00	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			08/02/12 11:00	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			08/02/12 11:00	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			08/02/12 11:00	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			08/02/12 11:00	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			08/02/12 11:00	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			08/02/12 11:00	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			08/02/12 11:00	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			08/02/12 11:00	1
Styrene	0.070	U	1.0	0.070	ug/L			08/02/12 11:00	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			08/02/12 11:00	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			08/02/12 11:00	1
Toluene	0.15	U	1.0	0.15	ug/L			08/02/12 11:00	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			08/02/12 11:00	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			08/02/12 11:00	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			08/02/12 11:00	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			08/02/12 11:00	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			08/02/12 11:00	1
o-Xylene	0.12	U	1.0	0.12	ug/L			08/02/12 11:00	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			08/02/12 11:00	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			08/02/12 11:00	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			08/02/12 11:00	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			08/02/12 11:00	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			08/02/12 11:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*87*		*70 - 130*		*08/02/12 11:00*	*1*
Dibromofluoromethane	*81*		*62 - 130*		*08/02/12 11:00*	*1*
4-Bromofluorobenzene	*80*		*67 - 139*		*08/02/12 11:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*84*		*50 - 134*		*08/02/12 11:00*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-85336/3
Matrix: Water
Analysis Batch: 85336

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	18.9		ug/L		94	28 - 152
Benzene	10.0	10.3		ug/L		103	69 - 131
Chlorobromomethane	10.0	9.92		ug/L		99	60 - 141
Bromoform	10.0	8.50		ug/L		85	39 - 149
Bromomethane	10.0	11.9		ug/L		119	52 - 146
2-Butanone (MEK)	20.0	15.0		ug/L		75	59 - 133
Carbon disulfide	10.0	11.1		ug/L		111	32 - 177
Carbon tetrachloride	10.0	10.4		ug/L		104	59 - 147
Dibromochloromethane	10.0	8.78		ug/L		88	58 - 132
Chlorobenzene	10.0	10.3		ug/L		103	60 - 136
Chloroethane	10.0	11.3		ug/L		113	56 - 144
Chloroform	10.0	9.60		ug/L		96	69 - 128
Chloromethane	10.0	13.3		ug/L		133	32 - 151
1,1-Dichloroethane	10.0	10.5		ug/L		105	66 - 126
1,2-Dichloroethane	10.0	10.3		ug/L		103	66 - 140
1,1-Dichloroethene	10.0	11.5		ug/L		115	59 - 145
trans-1,2-Dichloroethene	10.0	10.6		ug/L		106	70 - 132
1,2-Dichloropropane	10.0	10.0		ug/L		100	72 - 125
cis-1,3-Dichloropropene	10.0	9.11		ug/L		91	60 - 135
trans-1,3-Dichloropropene	10.0	9.42		ug/L		94	63 - 133
Ethylbenzene	10.0	10.2		ug/L		102	68 - 128
2-Hexanone	20.0	17.8		ug/L		89	51 - 130
Methylene Chloride	10.0	11.1		ug/L		111	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	18.2		ug/L		91	56 - 142
Styrene	10.0	10.0		ug/L		100	68 - 133
1,1,2,2-Tetrachloroethane	10.0	9.55		ug/L		95	68 - 134
Tetrachloroethene	10.0	10.5		ug/L		105	61 - 142
Toluene	10.0	10.1		ug/L		101	67 - 130
1,1,1-Trichloroethane	10.0	11.4		ug/L		114	65 - 142
1,1,2-Trichloroethane	10.0	9.28		ug/L		93	68 - 130
Trichloroethene	10.0	10.7		ug/L		107	68 - 130
Vinyl acetate	10.0	8.28		ug/L		83	58 - 175
Vinyl chloride	10.0	11.4		ug/L		114	47 - 146
o-Xylene	10.0	10.7		ug/L		107	68 - 134
m-Xylene & p-Xylene	20.0	21.0		ug/L		105	67 - 132
Xylenes, Total	30.0	31.7		ug/L		106	68 - 132
cis-1,2-Dichloroethene	10.0	9.40		ug/L		94	69 - 129
Bromodichloromethane	10.0	9.58		ug/L		96	73 - 130
1,2-Dichloroethene, Total	20.0	20.0		ug/L		100	65 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*88*		*70 - 130*
Dibromofluoromethane	*81*		*62 - 130*
4-Bromofluorobenzene	*82*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*83*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 600-85624/4
Matrix: Water
Analysis Batch: 85624

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			08/03/12 11:36	1
Benzene	0.080	U	1.0	0.080	ug/L			08/03/12 11:36	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			08/03/12 11:36	1
Bromoform	0.19	U	1.0	0.19	ug/L			08/03/12 11:36	1
Bromomethane	0.25	U	2.0	0.25	ug/L			08/03/12 11:36	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			08/03/12 11:36	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			08/03/12 11:36	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			08/03/12 11:36	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			08/03/12 11:36	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			08/03/12 11:36	1
Chloroethane	0.080	U	2.0	0.080	ug/L			08/03/12 11:36	1
Chloroform	0.536	J	1.0	0.13	ug/L			08/03/12 11:36	1
Chloromethane	0.18	U	2.0	0.18	ug/L			08/03/12 11:36	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			08/03/12 11:36	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			08/03/12 11:36	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			08/03/12 11:36	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			08/03/12 11:36	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			08/03/12 11:36	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			08/03/12 11:36	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			08/03/12 11:36	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			08/03/12 11:36	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			08/03/12 11:36	1
Methylene Chloride	0.346	J	5.0	0.15	ug/L			08/03/12 11:36	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			08/03/12 11:36	1
Styrene	0.070	U	1.0	0.070	ug/L			08/03/12 11:36	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			08/03/12 11:36	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			08/03/12 11:36	1
Toluene	0.15	U	1.0	0.15	ug/L			08/03/12 11:36	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			08/03/12 11:36	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			08/03/12 11:36	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			08/03/12 11:36	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			08/03/12 11:36	1
Vinyl chloride	0.370	J	2.0	0.11	ug/L			08/03/12 11:36	1
o-Xylene	0.12	U	1.0	0.12	ug/L			08/03/12 11:36	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			08/03/12 11:36	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			08/03/12 11:36	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			08/03/12 11:36	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			08/03/12 11:36	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			08/03/12 11:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*87*		*70 - 130*		*08/03/12 11:36*	*1*
Dibromofluoromethane	*83*		*62 - 130*		*08/03/12 11:36*	*1*
4-Bromofluorobenzene	*82*		*67 - 139*		*08/03/12 11:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*83*		*50 - 134*		*08/03/12 11:36*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-85624/3
Matrix: Water
Analysis Batch: 85624

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	16.8		ug/L		84	28 - 152
Benzene	10.0	10.3		ug/L		103	69 - 131
Chlorobromomethane	10.0	10.2		ug/L		102	60 - 141
Bromoform	10.0	8.87		ug/L		89	39 - 149
Bromomethane	10.0	11.9		ug/L		119	52 - 146
2-Butanone (MEK)	20.0	14.4		ug/L		72	59 - 133
Carbon disulfide	10.0	11.1		ug/L		111	32 - 177
Carbon tetrachloride	10.0	10.8		ug/L		108	59 - 147
Dibromochloromethane	10.0	8.87		ug/L		89	58 - 132
Chlorobenzene	10.0	11.1		ug/L		111	60 - 136
Chloroethane	10.0	11.5		ug/L		115	56 - 144
Chloroform	10.0	9.80		ug/L		98	69 - 128
Chloromethane	10.0	13.7		ug/L		137	32 - 151
1,1-Dichloroethane	10.0	10.7		ug/L		107	66 - 126
1,2-Dichloroethane	10.0	9.91		ug/L		99	66 - 140
1,1-Dichloroethene	10.0	11.1		ug/L		111	59 - 145
trans-1,2-Dichloroethene	10.0	10.1		ug/L		101	70 - 132
1,2-Dichloropropane	10.0	10.3		ug/L		103	72 - 125
cis-1,3-Dichloropropene	10.0	9.28		ug/L		93	60 - 135
trans-1,3-Dichloropropene	10.0	9.90		ug/L		99	63 - 133
Ethylbenzene	10.0	10.7		ug/L		107	68 - 128
2-Hexanone	20.0	18.3		ug/L		92	51 - 130
Methylene Chloride	10.0	11.8		ug/L		118	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	18.5		ug/L		93	56 - 142
Styrene	10.0	10.5		ug/L		105	68 - 133
1,1,2,2-Tetrachloroethane	10.0	9.36		ug/L		94	68 - 134
Tetrachloroethene	10.0	11.1		ug/L		111	61 - 142
Toluene	10.0	10.7		ug/L		107	67 - 130
1,1,1-Trichloroethane	10.0	11.2		ug/L		112	65 - 142
1,1,2-Trichloroethane	10.0	9.97		ug/L		100	68 - 130
Trichloroethene	10.0	10.5		ug/L		105	68 - 130
Vinyl acetate	10.0	8.07		ug/L		81	58 - 175
Vinyl chloride	10.0	11.7		ug/L		117	47 - 146
o-Xylene	10.0	11.4		ug/L		114	68 - 134
m-Xylene & p-Xylene	20.0	22.4		ug/L		112	67 - 132
Xylenes, Total	30.0	33.8		ug/L		113	68 - 132
cis-1,2-Dichloroethene	10.0	9.42		ug/L		94	69 - 129
Bromodichloromethane	10.0	10.1		ug/L		101	73 - 130
1,2-Dichloroethene, Total	20.0	19.5		ug/L		98	65 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*86*		*70 - 130*
Dibromofluoromethane	*84*		*62 - 130*
4-Bromofluorobenzene	*82*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*78*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 600-85625/4
Matrix: Water
Analysis Batch: 85625

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			08/06/12 11:34	1
Benzene	0.080	U	1.0	0.080	ug/L			08/06/12 11:34	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			08/06/12 11:34	1
Bromoform	0.19	U	1.0	0.19	ug/L			08/06/12 11:34	1
Bromomethane	0.25	U	2.0	0.25	ug/L			08/06/12 11:34	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			08/06/12 11:34	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			08/06/12 11:34	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			08/06/12 11:34	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			08/06/12 11:34	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			08/06/12 11:34	1
Chloroethane	0.080	U	2.0	0.080	ug/L			08/06/12 11:34	1
Chloroform	0.13	U	1.0	0.13	ug/L			08/06/12 11:34	1
Chloromethane	0.18	U	2.0	0.18	ug/L			08/06/12 11:34	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			08/06/12 11:34	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			08/06/12 11:34	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			08/06/12 11:34	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			08/06/12 11:34	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			08/06/12 11:34	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			08/06/12 11:34	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			08/06/12 11:34	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			08/06/12 11:34	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			08/06/12 11:34	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			08/06/12 11:34	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			08/06/12 11:34	1
Styrene	0.070	U	1.0	0.070	ug/L			08/06/12 11:34	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			08/06/12 11:34	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			08/06/12 11:34	1
Toluene	0.15	U	1.0	0.15	ug/L			08/06/12 11:34	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			08/06/12 11:34	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			08/06/12 11:34	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			08/06/12 11:34	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			08/06/12 11:34	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			08/06/12 11:34	1
o-Xylene	0.12	U	1.0	0.12	ug/L			08/06/12 11:34	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			08/06/12 11:34	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			08/06/12 11:34	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			08/06/12 11:34	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			08/06/12 11:34	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			08/06/12 11:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*89*		*70 - 130*		*08/06/12 11:34*	*1*
Dibromofluoromethane	*80*		*62 - 130*		*08/06/12 11:34*	*1*
4-Bromofluorobenzene	*78*		*67 - 139*		*08/06/12 11:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*83*		*50 - 134*		*08/06/12 11:34*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-85625/3
Matrix: Water
Analysis Batch: 85625

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	18.1		ug/L		91	28 - 152
Benzene	10.0	10.3		ug/L		103	69 - 131
Chlorobromomethane	10.0	10.0		ug/L		100	60 - 141
Bromoform	10.0	9.35		ug/L		93	39 - 149
Bromomethane	10.0	12.7		ug/L		127	52 - 146
2-Butanone (MEK)	20.0	16.1		ug/L		80	59 - 133
Carbon disulfide	10.0	11.1		ug/L		111	32 - 177
Carbon tetrachloride	10.0	11.0		ug/L		110	59 - 147
Dibromochloromethane	10.0	9.62		ug/L		96	58 - 132
Chlorobenzene	10.0	10.6		ug/L		106	60 - 136
Chloroethane	10.0	11.9		ug/L		119	56 - 144
Chloroform	10.0	9.45		ug/L		95	69 - 128
Chloromethane	10.0	13.4		ug/L		134	32 - 151
1,1-Dichloroethane	10.0	10.7		ug/L		107	66 - 126
1,2-Dichloroethane	10.0	9.92		ug/L		99	66 - 140
1,1-Dichloroethene	10.0	11.5		ug/L		115	59 - 145
trans-1,2-Dichloroethene	10.0	10.1		ug/L		101	70 - 132
1,2-Dichloropropane	10.0	10.2		ug/L		102	72 - 125
cis-1,3-Dichloropropene	10.0	9.19		ug/L		92	60 - 135
trans-1,3-Dichloropropene	10.0	10.0		ug/L		100	63 - 133
Ethylbenzene	10.0	10.5		ug/L		105	68 - 128
2-Hexanone	20.0	17.6		ug/L		88	51 - 130
Methylene Chloride	10.0	9.60		ug/L		96	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	17.4		ug/L		87	56 - 142
Styrene	10.0	10.4		ug/L		104	68 - 133
1,1,2,2-Tetrachloroethane	10.0	9.75		ug/L		98	68 - 134
Tetrachloroethene	10.0	10.6		ug/L		106	61 - 142
Toluene	10.0	10.3		ug/L		103	67 - 130
1,1,1-Trichloroethane	10.0	11.4		ug/L		114	65 - 142
1,1,2-Trichloroethane	10.0	9.35		ug/L		94	68 - 130
Trichloroethene	10.0	10.8		ug/L		108	68 - 130
Vinyl acetate	10.0	7.88		ug/L		79	58 - 175
Vinyl chloride	10.0	11.8		ug/L		118	47 - 146
o-Xylene	10.0	11.1		ug/L		111	68 - 134
m-Xylene & p-Xylene	20.0	21.5		ug/L		108	67 - 132
Xylenes, Total	30.0	32.6		ug/L		109	68 - 132
cis-1,2-Dichloroethene	10.0	9.49		ug/L		95	69 - 129
Bromodichloromethane	10.0	10.1		ug/L		101	73 - 130
1,2-Dichloroethene, Total	20.0	19.6		ug/L		98	65 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*88*		*70 - 130*
Dibromofluoromethane	*82*		*62 - 130*
4-Bromofluorobenzene	*82*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*81*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Lab Sample ID: 600-59032-4 MS
Matrix: Water
Analysis Batch: 85624

Client Sample ID: MW-11-NPM-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone - DL	2000		40000	37000		ug/L		92	60 - 140
Benzene - DL	160		20000	21100		ug/L		105	65 - 125
Chlorobromomethane - DL	360		20000	19500		ug/L		98	60 - 140
Bromoform - DL	380		20000	15500		ug/L		77	60 - 140
Bromomethane - DL	500		20000	23200		ug/L		116	60 - 140
2-Butanone (MEK) - DL	1500		40000	30700		ug/L		77	60 - 140
Carbon disulfide - DL	480		20000	21400		ug/L		107	60 - 140
Carbon tetrachloride - DL	300		20000	21000		ug/L		105	60 - 140
Dibromochloromethane - DL	300		20000	18000		ug/L		90	60 - 140
Chlorobenzene - DL	240		20000	22200		ug/L		111	72 - 122
Chloroethane - DL	160		20000	21900		ug/L		110	60 - 140
Chloroform - DL	540		20000	20000		ug/L		97	60 - 140
Chloromethane - DL	360		20000	25500		ug/L		127	60 - 140
1,1-Dichloroethane - DL	220		20000	21800		ug/L		109	60 - 140
1,2-Dichloroethane - DL	2500		20000	23300		ug/L		104	60 - 140
1,1-Dichloroethene - DL	380		20000	22300		ug/L		111	22 - 143
trans-1,2-Dichloroethene - DL	1100		20000	20900		ug/L		99	60 - 140
1,2-Dichloropropane - DL	320		20000	20600		ug/L		103	60 - 140
cis-1,3-Dichloropropene - DL	360		20000	17800		ug/L		89	60 - 140
trans-1,3-Dichloropropene - DL	420		20000	19300		ug/L		97	60 - 140
Ethylbenzene - DL	220		20000	21400		ug/L		107	60 - 140
2-Hexanone - DL	700		40000	35900		ug/L		90	60 - 140
Methylene Chloride - DL	5100		20000	25000		ug/L		99	60 - 140
4-Methyl-2-pentanone (MIBK) - DL	900		40000	35900		ug/L		90	60 - 140
Styrene - DL	140		20000	21100		ug/L		106	60 - 140
1,1,2,2-Tetrachloroethane - DL	440		20000	18000		ug/L		90	60 - 140
Tetrachloroethene - DL	260		20000	21800		ug/L		109	60 - 140
Toluene - DL	300		20000	20900		ug/L		104	76 - 125
1,1,1-Trichloroethane - DL	300		20000	22300		ug/L		111	60 - 140
1,1,2-Trichloroethane - DL	560		20000	19400		ug/L		97	60 - 140
Trichloroethene - DL	360		20000	22400		ug/L		112	56 - 118
Vinyl acetate - DL	420		20000	15800		ug/L		79	60 - 140
Vinyl chloride - DL	24000	B	20000	43500		ug/L		98	60 - 140
o-Xylene - DL	240		20000	22900		ug/L		115	60 - 140
m-Xylene & p-Xylene - DL	340		40000	44600		ug/L		111	60 - 140
Xylenes, Total - DL	520		60000	67500		ug/L		113	60 - 140
cis-1,2-Dichloroethene - DL	1800		20000	20600		ug/L		94	60 - 140
Bromodichloromethane - DL	320		20000	19500		ug/L		98	60 - 140
1,2-Dichloroethene, Total - DL	2900		40000	41500		ug/L		97	60 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr) - DL	*87*		*70 - 130*
Dibromofluoromethane - DL	*83*		*62 - 130*
4-Bromofluorobenzene - DL	*80*		*67 - 139*
1,2-Dichloroethane-d4 (Surr) - DL	*78*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Lab Sample ID: 600-59032-4 MSD
Matrix: Water
Analysis Batch: 85624

Client Sample ID: MW-11-NPM-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone - DL	2000		40000	37800		ug/L		95	60 - 140	2	30
Benzene - DL	160		20000	20800		ug/L		104	65 - 125	1	30
Chlorobromomethane - DL	360		20000	19400		ug/L		97	60 - 140	1	30
Bromoform - DL	380		20000	16900		ug/L		84	60 - 140	9	30
Bromomethane - DL	500		20000	23300		ug/L		116	60 - 140	1	30
2-Butanone (MEK) - DL	1500		40000	33400		ug/L		84	60 - 140	9	30
Carbon disulfide - DL	480		20000	21100		ug/L		106	60 - 140	1	30
Carbon tetrachloride - DL	300		20000	20900		ug/L		104	60 - 140	1	30
Dibromochloromethane - DL	300		20000	18300		ug/L		91	60 - 140	2	30
Chlorobenzene - DL	240		20000	21900		ug/L		109	72 - 122	2	30
Chloroethane - DL	160		20000	21900		ug/L		109	60 - 140	0	30
Chloroform - DL	540		20000	19700		ug/L		96	60 - 140	1	30
Chloromethane - DL	360		20000	25100		ug/L		126	60 - 140	1	30
1,1-Dichloroethane - DL	220		20000	21500		ug/L		107	60 - 140	2	30
1,2-Dichloroethane - DL	2500		20000	23300		ug/L		104	60 - 140	0	30
1,1-Dichloroethene - DL	380		20000	21800		ug/L		109	22 - 143	2	30
trans-1,2-Dichloroethene - DL	1100		20000	21300		ug/L		101	60 - 140	2	30
1,2-Dichloropropane - DL	320		20000	20800		ug/L		104	60 - 140	1	30
cis-1,3-Dichloropropene - DL	360		20000	17700		ug/L		88	60 - 140	1	30
trans-1,3-Dichloropropene - DL	420		20000	18600		ug/L		93	60 - 140	4	30
Ethylbenzene - DL	220		20000	21300		ug/L		106	60 - 140	1	30
2-Hexanone - DL	700		40000	36500		ug/L		91	60 - 140	1	30
Methylene Chloride - DL	5100		20000	25000		ug/L		100	60 - 140	0	30
4-Methyl-2-pentanone (MIBK) - DL	900		40000	36000		ug/L		90	60 - 140	0	30
Styrene - DL	140		20000	20700		ug/L		104	60 - 140	2	30
1,1,2,2-Tetrachloroethane - DL	440		20000	19100		ug/L		96	60 - 140	6	30
Tetrachloroethene - DL	260		20000	21700		ug/L		109	60 - 140	0	30
Toluene - DL	300		20000	20600		ug/L		103	76 - 125	1	30
1,1,1-Trichloroethane - DL	300		20000	22200		ug/L		111	60 - 140	0	30
1,1,2-Trichloroethane - DL	560		20000	18500		ug/L		92	60 - 140	5	30
Trichloroethene - DL	360		20000	22400		ug/L		112	56 - 118	0	30
Vinyl acetate - DL	420		20000	16700		ug/L		84	60 - 140	6	30
Vinyl chloride - DL	24000	B	20000	44200		ug/L		102	60 - 140	2	30
o-Xylene - DL	240		20000	21900		ug/L		109	60 - 140	5	30
m-Xylene & p-Xylene - DL	340		40000	44600		ug/L		112	60 - 140	0	30
Xylenes, Total - DL	520		60000	66500		ug/L		111	60 - 140	1	30
cis-1,2-Dichloroethene - DL	1800		20000	20200		ug/L		92	60 - 140	2	30
Bromodichloromethane - DL	320		20000	19400		ug/L		97	60 - 140	1	30
1,2-Dichloroethene, Total - DL	2900		40000	41500		ug/L		97	60 - 140	0	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr) - DL	*85*		*70 - 130*
Dibromofluoromethane - DL	*78*		*62 - 130*
4-Bromofluorobenzene - DL	*81*		*67 - 139*
1,2-Dichloroethane-d4 (Surr) - DL	*77*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Lab Sample ID: 600-59032-5 MS
Matrix: Water
Analysis Batch: 85625

Client Sample ID: MW-40-NPM-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone - DL	99		2000	1890		ug/L		94	60 - 140
Benzene - DL	110		1000	1030		ug/L		92	65 - 125
Chlorobromomethane - DL	18		1000	940		ug/L		94	60 - 140
Bromoform - DL	19		1000	888		ug/L		89	60 - 140
Bromomethane - DL	25		1000	1220		ug/L		122	60 - 140
2-Butanone (MEK) - DL	76		2000	1410		ug/L		71	60 - 140
Carbon disulfide - DL	24		1000	1830	F	ug/L		183	60 - 140
Carbon tetrachloride - DL	15		1000	1100		ug/L		110	60 - 140
Dibromochloromethane - DL	15		1000	952		ug/L		95	60 - 140
Chlorobenzene - DL	320		1000	1090		ug/L		77	72 - 122
Chloroethane - DL	8.0		1000	1140		ug/L		114	60 - 140
Chloroform - DL	13		1000	965		ug/L		97	60 - 140
Chloromethane - DL	18		1000	1280		ug/L		128	60 - 140
1,1-Dichloroethane - DL	520		1000	1070	F	ug/L		55	60 - 140
1,2-Dichloroethane - DL	14		1000	974		ug/L		97	60 - 140
1,1-Dichloroethene - DL	19		1000	1120		ug/L		112	22 - 143
trans-1,2-Dichloroethene - DL	9.0		1000	1010		ug/L		101	60 - 140
1,2-Dichloropropane - DL	16		1000	1030		ug/L		103	60 - 140
cis-1,3-Dichloropropene - DL	18		1000	946		ug/L		95	60 - 140
trans-1,3-Dichloropropene - DL	21		1000	1010		ug/L		101	60 - 140
Ethylbenzene - DL	86		1000	1040		ug/L		95	60 - 140
2-Hexanone - DL	35		2000	1820		ug/L		91	60 - 140
Methylene Chloride - DL	15		1000	941		ug/L		94	60 - 140
4-Methyl-2-pentanone (MIBK) - DL	45		2000	1800		ug/L		90	60 - 140
Styrene - DL	7.0		1000	1020		ug/L		102	60 - 140
1,1,2,2-Tetrachloroethane - DL	22		1000	902		ug/L		90	60 - 140
Tetrachloroethene - DL	13		1000	1040		ug/L		104	60 - 140
Toluene - DL	22		1000	1020		ug/L		100	76 - 125
1,1,1-Trichloroethane - DL	15		1000	1140		ug/L		114	60 - 140
1,1,2-Trichloroethane - DL	28		1000	971		ug/L		97	60 - 140
Trichloroethene - DL	18		1000	1060		ug/L		106	56 - 118
Vinyl acetate - DL	21		1000	813		ug/L		81	60 - 140
Vinyl chloride - DL	2300		1000	1230	F	ug/L		-102	60 - 140
o-Xylene - DL	12		1000	1100		ug/L		110	60 - 140
m-Xylene & p-Xylene - DL	17		2000	2160		ug/L		108	60 - 140
Xylenes, Total - DL	26		3000	3260		ug/L		109	60 - 140
cis-1,2-Dichloroethene - DL	6.0		1000	955		ug/L		95	60 - 140
Bromodichloromethane - DL	16		1000	1000		ug/L		100	60 - 140
1,2-Dichloroethene, Total - DL	30		2000	1970		ug/L		98	60 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr) - DL	*86*		*70 - 130*
Dibromofluoromethane - DL	*82*		*62 - 130*
4-Bromofluorobenzene - DL	*82*		*67 - 139*
1,2-Dichloroethane-d4 (Surr) - DL	*83*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Lab Sample ID: 600-59032-5 MSD
Matrix: Water
Analysis Batch: 85625

Client Sample ID: MW-40-NPM-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone - DL	99		2000	1490		ug/L		75	60 - 140	24	30
Benzene - DL	110		1000	1020		ug/L		91	65 - 125	0	30
Chlorobromomethane - DL	18		1000	986		ug/L		99	60 - 140	5	30
Bromoform - DL	19		1000	931		ug/L		93	60 - 140	5	30
Bromomethane - DL	25		1000	1220		ug/L		122	60 - 140	0	30
2-Butanone (MEK) - DL	76		2000	1630		ug/L		81	60 - 140	14	30
Carbon disulfide - DL	24		1000	1120	F	ug/L		112	60 - 140	48	30
Carbon tetrachloride - DL	15		1000	1070		ug/L		107	60 - 140	3	30
Dibromochloromethane - DL	15		1000	935		ug/L		93	60 - 140	2	30
Chlorobenzene - DL	320		1000	1040		ug/L		72	72 - 122	5	30
Chloroethane - DL	8.0		1000	1150		ug/L		115	60 - 140	1	30
Chloroform - DL	13		1000	952		ug/L		95	60 - 140	1	30
Chloromethane - DL	18		1000	1300		ug/L		130	60 - 140	2	30
1,1-Dichloroethane - DL	520		1000	1040	F	ug/L		53	60 - 140	3	30
1,2-Dichloroethane - DL	14		1000	1020		ug/L		102	60 - 140	4	30
1,1-Dichloroethene - DL	19		1000	1080		ug/L		108	22 - 143	3	30
trans-1,2-Dichloroethene - DL	9.0		1000	1020		ug/L		102	60 - 140	1	30
1,2-Dichloropropane - DL	16		1000	968		ug/L		97	60 - 140	6	30
cis-1,3-Dichloropropene - DL	18		1000	894		ug/L		89	60 - 140	6	30
trans-1,3-Dichloropropene - DL	21		1000	954		ug/L		95	60 - 140	6	30
Ethylbenzene - DL	86		1000	1000		ug/L		92	60 - 140	3	30
2-Hexanone - DL	35		2000	1810		ug/L		91	60 - 140	0	30
Methylene Chloride - DL	15		1000	977		ug/L		98	60 - 140	4	30
4-Methyl-2-pentanone (MIBK) - DL	45		2000	1880		ug/L		94	60 - 140	4	30
Styrene - DL	7.0		1000	991		ug/L		99	60 - 140	3	30
1,1,2,2-Tetrachloroethane - DL	22		1000	896		ug/L		90	60 - 140	1	30
Tetrachloroethene - DL	13		1000	1030		ug/L		103	60 - 140	1	30
Toluene - DL	22		1000	964		ug/L		94	76 - 125	6	30
1,1,1-Trichloroethane - DL	15		1000	1100		ug/L		110	60 - 140	4	30
1,1,2-Trichloroethane - DL	28		1000	968		ug/L		97	60 - 140	0	30
Trichloroethene - DL	18		1000	1030		ug/L		103	56 - 118	2	30
Vinyl acetate - DL	21		1000	834		ug/L		83	60 - 140	3	30
Vinyl chloride - DL	2300		1000	1180	F	ug/L		-107	60 - 140	4	30
o-Xylene - DL	12		1000	1070		ug/L		107	60 - 140	3	30
m-Xylene & p-Xylene - DL	17		2000	2110		ug/L		105	60 - 140	3	30
Xylenes, Total - DL	26		3000	3180		ug/L		106	60 - 140	2	30
cis-1,2-Dichloroethene - DL	6.0		1000	950		ug/L		95	60 - 140	0	30
Bromodichloromethane - DL	16		1000	982		ug/L		98	60 - 140	2	30
1,2-Dichloroethene, Total - DL	30		2000	1970		ug/L		99	60 - 140	0	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr) - DL	*87*		*70 - 130*
Dibromofluoromethane - DL	*83*		*62 - 130*
4-Bromofluorobenzene - DL	*81*		*67 - 139*
1,2-Dichloroethane-d4 (Surr) - DL	*81*		*50 - 134*

QC Association Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-59032-1

GC/MS VOA

Analysis Batch: 85336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-59032-1 - DL	MW-71-NPM-3	Total/NA	Water	8260B	
600-59032-1	MW-71-NPM-3	Total/NA	Water	8260B	
600-59032-2	MW-65-NPM-3	Total/NA	Water	8260B	
600-59032-2 - DL2	MW-65-NPM-3	Total/NA	Water	8260B	
600-59032-2 - DL	MW-65-NPM-3	Total/NA	Water	8260B	
600-59032-4	MW-11-NPM-3	Total/NA	Water	8260B	
600-59032-6	MW-68-NPM-3	Total/NA	Water	8260B	
600-59032-6 - DL	MW-68-NPM-3	Total/NA	Water	8260B	
600-59032-7	MW-66-NPM-3	Total/NA	Water	8260B	
600-59032-8	MW-4-NPM-3	Total/NA	Water	8260B	
600-59032-10	TRIP BLANK	Total/NA	Water	8260B	
LCS 600-85336/3	Lab Control Sample	Total/NA	Water	8260B	
MB 600-85336/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 85624

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-59032-4 - DL	MW-11-NPM-3	Total/NA	Water	8260B	
600-59032-4 MS - DL	MW-11-NPM-3	Total/NA	Water	8260B	
600-59032-4 MSD - DL	MW-11-NPM-3	Total/NA	Water	8260B	
600-59032-6 - DL	MW-68-NPM-3	Total/NA	Water	8260B	
LCS 600-85624/3	Lab Control Sample	Total/NA	Water	8260B	
MB 600-85624/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 85625

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-59032-3	MW-8-NPM-3	Total/NA	Water	8260B	
600-59032-3 - DL	MW-8-NPM-3	Total/NA	Water	8260B	
600-59032-5	MW-40-NPM-3	Total/NA	Water	8260B	
600-59032-5 - DL	MW-40-NPM-3	Total/NA	Water	8260B	
600-59032-5 MS - DL	MW-40-NPM-3	Total/NA	Water	8260B	
600-59032-5 MSD - DL	MW-40-NPM-3	Total/NA	Water	8260B	
600-59032-7 - DL	MW-66-NPM-3	Total/NA	Water	8260B	
600-59032-7 - DL2	MW-66-NPM-3	Total/NA	Water	8260B	
600-59032-8 - DL	MW-4-NPM-3	Total/NA	Water	8260B	
600-59032-8 - DL2	MW-4-NPM-3	Total/NA	Water	8260B	
600-59032-9	DUP-NPM-3	Total/NA	Water	8260B	
600-59032-9 - DL	DUP-NPM-3	Total/NA	Water	8260B	
LCS 600-85625/3	Lab Control Sample	Total/NA	Water	8260B	
MB 600-85625/4	Method Blank	Total/NA	Water	8260B	

Lab Chronicle

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-59032-1

Client Sample ID: MW-71-NPM-3 — Lab Sample ID: 600-59032-1

Date Collected: 08/01/12 08:05 — **Matrix: Water**
Date Received: 08/01/12 10:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	500	85336	08/02/12 19:08	DT	TAL HOU
Total/NA	Analysis	8260B		20	85336	08/02/12 20:34	DT	TAL HOU

Client Sample ID: MW-65-NPM-3 — Lab Sample ID: 600-59032-2

Date Collected: 08/01/12 08:15 — **Matrix: Water**
Date Received: 08/01/12 10:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		50	85336	08/02/12 15:19	DT	TAL HOU
Total/NA	Analysis	8260B	DL2	10000	85336	08/02/12 19:37	DT	TAL HOU
Total/NA	Analysis	8260B	DL	500	85336	08/02/12 21:03	DT	TAL HOU

Client Sample ID: MW-8-NPM-3 — Lab Sample ID: 600-59032-3

Date Collected: 08/01/12 08:30 — **Matrix: Water**
Date Received: 08/01/12 10:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	85625	08/06/12 14:55	DT	TAL HOU
Total/NA	Analysis	8260B	DL	100	85625	08/06/12 15:24	DT	TAL HOU

Client Sample ID: MW-11-NPM-3 — Lab Sample ID: 600-59032-4

Date Collected: 08/01/12 08:40 — **Matrix: Water**
Date Received: 08/01/12 10:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		50	85336	08/02/12 16:16	DT	TAL HOU
Total/NA	Analysis	8260B	DL	2000	85624	08/03/12 13:02	DT	TAL HOU

Client Sample ID: MW-40-NPM-3 — Lab Sample ID: 600-59032-5

Date Collected: 08/01/12 08:55 — **Matrix: Water**
Date Received: 08/01/12 10:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	85625	08/06/12 12:32	DT	TAL HOU
Total/NA	Analysis	8260B	DL	100	85625	08/06/12 13:58	DT	TAL HOU

Client Sample ID: MW-68-NPM-3 — Lab Sample ID: 600-59032-6

Date Collected: 08/01/12 09:05 — **Matrix: Water**
Date Received: 08/01/12 10:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	85336	08/02/12 14:22	DT	TAL HOU

Lab Chronicle

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-59032-1

Client Sample ID: MW-68-NPM-3 — Lab Sample ID: 600-59032-6

Date Collected: 08/01/12 09:05 — **Matrix: Water**
Date Received: 08/01/12 10:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	20	85336	08/02/12 20:06	DT	TAL HOU
Total/NA	Analysis	8260B	DL	500	85624	08/03/12 13:30	DT	TAL HOU

Client Sample ID: MW-66-NPM-3 — Lab Sample ID: 600-59032-7

Date Collected: 08/01/12 09:15 — **Matrix: Water**
Date Received: 08/01/12 10:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		50	85336	08/02/12 17:42	DT	TAL HOU
Total/NA	Analysis	8260B	DL	1000	85625	08/06/12 16:50	DT	TAL HOU
Total/NA	Analysis	8260B	DL2	10000	85625	08/06/12 17:18	DT	TAL HOU

Client Sample ID: MW-4-NPM-3 — Lab Sample ID: 600-59032-8

Date Collected: 08/01/12 09:25 — **Matrix: Water**
Date Received: 08/01/12 10:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		50	85336	08/02/12 18:11	DT	TAL HOU
Total/NA	Analysis	8260B	DL	500	85625	08/06/12 17:47	DT	TAL HOU
Total/NA	Analysis	8260B	DL2	10000	85625	08/06/12 18:15	DT	TAL HOU

Client Sample ID: DUP-NPM-3 — Lab Sample ID: 600-59032-9

Date Collected: 08/01/12 00:00 — **Matrix: Water**
Date Received: 08/01/12 10:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	85625	08/06/12 15:53	DT	TAL HOU
Total/NA	Analysis	8260B	DL	100	85625	08/06/12 16:21	DT	TAL HOU

Client Sample ID: TRIP BLANK — Lab Sample ID: 600-59032-10

Date Collected: 08/01/12 00:00 — **Matrix: Water**
Date Received: 08/01/12 10:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	85336	08/02/12 13:53	DT	TAL HOU

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Certification Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-59032-1

Laboratory: TestAmerica Houston

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0759	08-04-12
Louisiana	NELAC Secondary AB	6	01967	06-30-13
Oklahoma	State Program	6	9503	08-31-12
Texas	NELAC	6	T104704223-10-6-TX	10-31-12
USDA	Federal		P330-08-00217	04-01-14
Utah	NELAC	8	GULF	10-31-12

Method Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-59032-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL HOU

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Sample Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-59032-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
600-59032-1	MW-71-NPM-3	Water	08/01/12 08:05	08/01/12 10:43
600-59032-2	MW-65-NPM-3	Water	08/01/12 08:15	08/01/12 10:43
600-59032-3	MW-8-NPM-3	Water	08/01/12 08:30	08/01/12 10:43
600-59032-4	MW-11-NPM-3	Water	08/01/12 08:40	08/01/12 10:43
600-59032-5	MW-40-NPM-3	Water	08/01/12 08:55	08/01/12 10:43
600-59032-6	MW-68-NPM-3	Water	08/01/12 09:05	08/01/12 10:43
600-59032-7	MW-66-NPM-3	Water	08/01/12 09:15	08/01/12 10:43
600-59032-8	MW-4-NPM-3	Water	08/01/12 09:25	08/01/12 10:43
600-59032-9	DUP-NPM-3	Water	08/01/12 00:00	08/01/12 10:43
600-59032-10	TRIP BLANK	Water	08/01/12 00:00	08/01/12 10:43

Houston
6310 Rou[illegible] Street
Houston, [illegible]7040
Phone (71[illegible] 690-4444 Fax (713) 690-5646

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: KLH	Lab PM: Kudchadkar, Sachin G	Carrier Tracking No(s):	COC No: 600-11558-5028.1
Client Contact: Ms. Kate Hamel	Phone: 713-522-6300	E-Mail: sachin.kudchadkar@testamericainc.com		Page: Page 1 of 1
Company: Groundwater Services, Inc.				Job #: G-3380
Address: 2211 Norfolk, Suite 1000	Due Date Requested:			
City: Houston	TAT Requested (days): STANDARD			
State, Zip: TX, 77098-4044				
Phone: 713-522-6300(Tel)	PO #: Purchase Order not requir			
Email: kchamel@gsi-net.com, tem@gsi-net.com	WO #:			
Project Name: G-3460	Project #: 60002425 G-3460/3380			
Site: N-80	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B_LL - Target Compound List	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
MW-71-NPM-3	8/1/12	805	G	Water			✓		
MW-65-NPM-3		815		Water			✓		
MW-8-NPM-3		830		Water			✓		
MW-11-NPM-3		840		Water			✓		
MW-40-NPM-3		855		Water			✓		
MW-68-NPM-3		905		Water			✓		
MW-66-NPM-3		915		Water			✓		
MW-4-NPM-3		925		Water			✓		
DUP-NPM-3		—		Water			✓		
TRIP BLANK		—		Water			✓		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) STANDARD.

Special Instructions/QC Requirements: STANDARD

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: KATE HAMEL	Date/Time: 8/1/12 1045	Company: GSI	Received by:	Date/Time: 8/1/12 1045	Company: TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Login Sample Receipt Checklist

Client: Groundwater Services, Inc.

Job Number: 600-59032-1

Login Number: 59032

List Source: TestAmerica Houston

List Number: 1

Creator: Trenery, Michael J

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Tel: (713)690-4444

TestAmerica Job ID: 600-57972-1
Client Project/Site: G-3460 N-80

For:
Groundwater Services, Inc.
2211 Norfolk, Suite 1000
Houston, Texas 77098-4044

Attn: Ms. Kate Hamel

Authorized for release by:
7/24/2012 5:29:14 PM

Sachin Kudchadkar
Project Manager II
sachin.kudchadkar@testamericainc.com

LINKS

Review your project results through TotalAccess

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-57972-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
F	MS or MSD exceeds the control limits
E	Result exceeded calibration range.
F	RPD of the MS and MSD exceeds the control limits
*	LCS or LCSD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Detection Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-57972-1

Client Sample ID: MW-71-SS-3 — Lab Sample ID: 600-57972-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	990		250	50	ug/L	50		8260B	Total/NA
Carbon disulfide	37	J	100	12	ug/L	50		8260B	Total/NA
Chlorobenzene	150		50	6.0	ug/L	50		8260B	Total/NA
Chloroethane	150		100	4.0	ug/L	50		8260B	Total/NA
Chloroform	45	J B	50	6.5	ug/L	50		8260B	Total/NA
1,1-Dichloroethane	1000		50	5.5	ug/L	50		8260B	Total/NA
1,2-Dichloroethane	83		50	7.0	ug/L	50		8260B	Total/NA
trans-1,2-Dichloroethene	32	J	50	4.5	ug/L	50		8260B	Total/NA
Ethylbenzene	520		50	5.5	ug/L	50		8260B	Total/NA
Methylene Chloride	54	J	250	7.5	ug/L	50		8260B	Total/NA
Toluene	100		50	7.5	ug/L	50		8260B	Total/NA
Trichloroethene	9.3	J	50	9.0	ug/L	50		8260B	Total/NA
cis-1,2-Dichloroethene	17	J	50	3.0	ug/L	50		8260B	Total/NA
1,2-Dichloroethene, Total	49	J	50	15	ug/L	50		8260B	Total/NA
Benzene - DL	3200		200	16	ug/L	200		8260B	Total/NA
Vinyl chloride - DL	4900		400	22	ug/L	200		8260B	Total/NA

Client Sample ID: MW-65-SS-3 — Lab Sample ID: 600-57972-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	730		100	12	ug/L	50		8260B	Total/NA
Chlorobenzene	990		50	6.0	ug/L	50		8260B	Total/NA
Chloroform	72	B	50	6.5	ug/L	50		8260B	Total/NA
Chloromethane	140		100	9.0	ug/L	50		8260B	Total/NA
1,1-Dichloroethane	2500		50	5.5	ug/L	50		8260B	Total/NA
1,2-Dichloroethane	130		50	7.0	ug/L	50		8260B	Total/NA
1,1-Dichloroethene	660		50	9.5	ug/L	50		8260B	Total/NA
Ethylbenzene	850		50	5.5	ug/L	50		8260B	Total/NA
Methylene Chloride	62	J	250	7.5	ug/L	50		8260B	Total/NA
Styrene	25	J	50	3.5	ug/L	50		8260B	Total/NA
Tetrachloroethene	89		50	6.5	ug/L	50		8260B	Total/NA
Toluene	230		50	7.5	ug/L	50		8260B	Total/NA
Trichloroethene	270		50	9.0	ug/L	50		8260B	Total/NA
o-Xylene	27	J	50	6.0	ug/L	50		8260B	Total/NA
m-Xylene & p-Xylene	62		50	8.5	ug/L	50		8260B	Total/NA
Xylenes, Total	89		50	13	ug/L	50		8260B	Total/NA
Benzene - DL	2800		200	16	ug/L	200		8260B	Total/NA
trans-1,2-Dichloroethene - DL	3600		200	18	ug/L	200		8260B	Total/NA
Vinyl chloride - DL	190000		20000	1100	ug/L	10000		8260B	Total/NA
cis-1,2-Dichloroethene - DL	250		200	12	ug/L	200		8260B	Total/NA
1,2-Dichloroethene, Total - DL	3900		200	60	ug/L	200		8260B	Total/NA

Client Sample ID: MW-8-SS-3 — Lab Sample ID: 600-57972-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	96	J	250	50	ug/L	50		8260B	Total/NA
Benzene	780		50	4.0	ug/L	50		8260B	Total/NA
Carbon disulfide	32	J	100	12	ug/L	50		8260B	Total/NA
Chlorobenzene	160		50	6.0	ug/L	50		8260B	Total/NA
Chloroform	49	J B	50	6.5	ug/L	50		8260B	Total/NA
1,1-Dichloroethane	330		50	5.5	ug/L	50		8260B	Total/NA
1,2-Dichloroethane	51		50	7.0	ug/L	50		8260B	Total/NA
1,1-Dichloroethene	24	J	50	9.5	ug/L	50		8260B	Total/NA

Client Sample ID: MW-8-SS-3 (Continued) — Lab Sample ID: 600-57972-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
trans-1,2-Dichloroethene	170		50	4.5	ug/L	50		8260B	Total/NA
Ethylbenzene	400		50	5.5	ug/L	50		8260B	Total/NA
Methylene Chloride	64	J	250	7.5	ug/L	50		8260B	Total/NA
Toluene	79		50	7.5	ug/L	50		8260B	Total/NA
o-Xylene	9.6	J	50	6.0	ug/L	50		8260B	Total/NA
m-Xylene & p-Xylene	23	J	50	8.5	ug/L	50		8260B	Total/NA
Xylenes, Total	33	J	50	13	ug/L	50		8260B	Total/NA
cis-1,2-Dichloroethene	24	J	50	3.0	ug/L	50		8260B	Total/NA
1,2-Dichloroethene, Total	190		50	15	ug/L	50		8260B	Total/NA
Vinyl chloride - DL	3700		400	22	ug/L	200		8260B	Total/NA

Client Sample ID: MW-11-SS-3 — Lab Sample ID: 600-57972-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	180		50	4.0	ug/L	50		8260B	Total/NA
Carbon disulfide	140		100	12	ug/L	50		8260B	Total/NA
Chlorobenzene	520		50	6.0	ug/L	50		8260B	Total/NA
Chloroform	44	J B	50	6.5	ug/L	50		8260B	Total/NA
1,1-Dichloroethane	1500		50	5.5	ug/L	50		8260B	Total/NA
1,1-Dichloroethene	1300		50	9.5	ug/L	50		8260B	Total/NA
Ethylbenzene	42	J	50	5.5	ug/L	50		8260B	Total/NA
Methylene Chloride	63	J	250	7.5	ug/L	50		8260B	Total/NA
Tetrachloroethene	8.1	J	50	6.5	ug/L	50		8260B	Total/NA
Toluene	19	J	50	7.5	ug/L	50		8260B	Total/NA
1,1,2-Trichloroethane	47	J	50	14	ug/L	50		8260B	Total/NA
Trichloroethene	1700		50	9.0	ug/L	50		8260B	Total/NA
1,2-Dichloroethane - DL	12000		1000	140	ug/L	1000		8260B	Total/NA
trans-1,2-Dichloroethene - DL	4000		1000	90	ug/L	1000		8260B	Total/NA
Vinyl chloride - DL	36000		10000	550	ug/L	5000		8260B	Total/NA
cis-1,2-Dichloroethene - DL	7200		1000	60	ug/L	1000		8260B	Total/NA
1,2-Dichloroethene, Total - DL	11000		1000	300	ug/L	1000		8260B	Total/NA

Client Sample ID: MW-40-SS-3 — Lab Sample ID: 600-57972-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	40	J	100	20	ug/L	20		8260B	Total/NA
Benzene	180		20	1.6	ug/L	20		8260B	Total/NA
Carbon disulfide	11	J	40	4.8	ug/L	20		8260B	Total/NA
Chlorobenzene	480		20	2.4	ug/L	20		8260B	Total/NA
Chloroform	9.7	J B	20	2.6	ug/L	20		8260B	Total/NA
1,1-Dichloroethane	570		20	2.2	ug/L	20		8260B	Total/NA
1,2-Dichloroethane	25		20	2.8	ug/L	20		8260B	Total/NA
1,1-Dichloroethene	16	J	20	3.8	ug/L	20		8260B	Total/NA
trans-1,2-Dichloroethene	57		20	1.8	ug/L	20		8260B	Total/NA
Ethylbenzene	160		20	2.2	ug/L	20		8260B	Total/NA
Tetrachloroethene	4.7	J	20	2.6	ug/L	20		8260B	Total/NA
Toluene	34		20	3.0	ug/L	20		8260B	Total/NA
Trichloroethene	16	J	20	3.6	ug/L	20		8260B	Total/NA
m-Xylene & p-Xylene	4.9	J	20	3.4	ug/L	20		8260B	Total/NA
cis-1,2-Dichloroethene	17	J	20	1.2	ug/L	20		8260B	Total/NA
1,2-Dichloroethene, Total	74		20	6.0	ug/L	20		8260B	Total/NA
Vinyl chloride - DL	4600		400	22	ug/L	200		8260B	Total/NA

Detection Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-57972-1

Client Sample ID: MW-68-SS-3 — Lab Sample ID: 600-57972-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	220		50	4.0	ug/L	50		8260B	Total/NA
Carbon disulfide	21	J	100	12	ug/L	50		8260B	Total/NA
Chlorobenzene	64		50	6.0	ug/L	50		8260B	Total/NA
Chloroform	47	J B	50	6.5	ug/L	50		8260B	Total/NA
1,1-Dichloroethane	190		50	5.5	ug/L	50		8260B	Total/NA
1,2-Dichloroethane	12	J	50	7.0	ug/L	50		8260B	Total/NA
trans-1,2-Dichloroethene	750		50	4.5	ug/L	50		8260B	Total/NA
Ethylbenzene	480		50	5.5	ug/L	50		8260B	Total/NA
Methylene Chloride	48	J	250	7.5	ug/L	50		8260B	Total/NA
Toluene	68		50	7.5	ug/L	50		8260B	Total/NA
m-Xylene & p-Xylene	430		50	8.5	ug/L	50		8260B	Total/NA
Xylenes, Total	430		50	13	ug/L	50		8260B	Total/NA
cis-1,2-Dichloroethene	22	J	50	3.0	ug/L	50		8260B	Total/NA
1,2-Dichloroethene, Total	770		50	15	ug/L	50		8260B	Total/NA
Vinyl chloride - DL	18000		2000	110	ug/L	1000		8260B	Total/NA

Client Sample ID: MW-66-SS-3 — Lab Sample ID: 600-57972-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1200		250	50	ug/L	50		8260B	Total/NA
2-Butanone (MEK)	250		100	38	ug/L	50		8260B	Total/NA
Carbon disulfide	22	J	100	12	ug/L	50		8260B	Total/NA
Chlorobenzene	2600	E	50	6.0	ug/L	50		8260B	Total/NA
Chloroform	85	B	50	6.5	ug/L	50		8260B	Total/NA
Chloromethane	120		100	9.0	ug/L	50		8260B	Total/NA
1,1-Dichloroethane	2300		50	5.5	ug/L	50		8260B	Total/NA
trans-1,2-Dichloroethene	2000		50	4.5	ug/L	50		8260B	Total/NA
Methylene Chloride	240	J	250	7.5	ug/L	50		8260B	Total/NA
1,1,2,2-Tetrachloroethane	290		50	11	ug/L	50		8260B	Total/NA
Tetrachloroethene	310		50	6.5	ug/L	50		8260B	Total/NA
Trichloroethene	1500		50	9.0	ug/L	50		8260B	Total/NA
o-Xylene	42	J	50	6.0	ug/L	50		8260B	Total/NA
m-Xylene & p-Xylene	99		50	8.5	ug/L	50		8260B	Total/NA
Xylenes, Total	140		50	13	ug/L	50		8260B	Total/NA
cis-1,2-Dichloroethene	1200		50	3.0	ug/L	50		8260B	Total/NA
1,2-Dichloroethene, Total	3200		50	15	ug/L	50		8260B	Total/NA
Benzene - DL	7900		500	40	ug/L	500		8260B	Total/NA
1,1-Dichloroethene - DL	2500		500	95	ug/L	500		8260B	Total/NA
Ethylbenzene - DL	6500		500	55	ug/L	500		8260B	Total/NA
Styrene - DL	2100		500	35	ug/L	500		8260B	Total/NA
Toluene - DL	3400		500	75	ug/L	500		8260B	Total/NA
1,2-Dichloroethane - DL2	220000		5000	700	ug/L	5000		8260B	Total/NA
1,1,2-Trichloroethane - DL2	140000		5000	1400	ug/L	5000		8260B	Total/NA
Vinyl chloride - DL2	120000		10000	550	ug/L	5000		8260B	Total/NA

Client Sample ID: MW-4-SS-3 — Lab Sample ID: 600-57972-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	21	J	100	12	ug/L	50		8260B	Total/NA
Chlorobenzene	1300		50	6.0	ug/L	50		8260B	Total/NA
Chloroform	45	J B	50	6.5	ug/L	50		8260B	Total/NA
Chloromethane	130		100	9.0	ug/L	50		8260B	Total/NA
Ethylbenzene	1000		50	5.5	ug/L	50		8260B	Total/NA

Detection Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-57972-1

Client Sample ID: MW-4-SS-3 (Continued)

Lab Sample ID: 600-57972-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	65	J	250	7.5	ug/L	50		8260B	Total/NA
Styrene	31	J	50	3.5	ug/L	50		8260B	Total/NA
Tetrachloroethene	530		50	6.5	ug/L	50		8260B	Total/NA
Toluene	300		50	7.5	ug/L	50		8260B	Total/NA
1,1,2-Trichloroethane	810		50	14	ug/L	50		8260B	Total/NA
Trichloroethene	2100		50	9.0	ug/L	50		8260B	Total/NA
o-Xylene	29	J	50	6.0	ug/L	50		8260B	Total/NA
m-Xylene & p-Xylene	79		50	8.5	ug/L	50		8260B	Total/NA
Xylenes, Total	110		50	13	ug/L	50		8260B	Total/NA
Benzene - DL	4900		500	40	ug/L	500		8260B	Total/NA
1,1-Dichloroethane - DL	5400		500	55	ug/L	500		8260B	Total/NA
1,1-Dichloroethene - DL	8100		500	95	ug/L	500		8260B	Total/NA
trans-1,2-Dichloroethene - DL	9500		500	45	ug/L	500		8260B	Total/NA
Vinyl chloride - DL	220000		40000	2200	ug/L	20000		8260B	Total/NA
cis-1,2-Dichloroethene - DL	4800		500	30	ug/L	500		8260B	Total/NA
1,2-Dichloroethene, Total - DL	14000		500	150	ug/L	500		8260B	Total/NA
1,2-Dichloroethane - DL2	63000		5000	700	ug/L	5000		8260B	Total/NA

Client Sample Results

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-57972-1

Client Sample ID: MW-71-SS-3

Date Collected: 07/12/12 08:20
Date Received: 07/12/12 14:14

Lab Sample ID: 600-57972-1

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**990**		250	50	ug/L			07/20/12 20:55	50
Chlorobromomethane	9.0	U	50	9.0	ug/L			07/20/12 20:55	50
Bromoform	9.5	U	50	9.5	ug/L			07/20/12 20:55	50
Bromomethane	13	U	100	13	ug/L			07/20/12 20:55	50
2-Butanone (MEK)	38	U	100	38	ug/L			07/20/12 20:55	50
Carbon disulfide	**37**	**J**	100	12	ug/L			07/20/12 20:55	50
Carbon tetrachloride	7.5	U	50	7.5	ug/L			07/20/12 20:55	50
Dibromochloromethane	7.5	U	50	7.5	ug/L			07/20/12 20:55	50
Chlorobenzene	**150**		50	6.0	ug/L			07/20/12 20:55	50
Chloroethane	**150**		100	4.0	ug/L			07/20/12 20:55	50
Chloroform	**45**	**J B**	50	6.5	ug/L			07/20/12 20:55	50
Chloromethane	9.0	U	100	9.0	ug/L			07/20/12 20:55	50
1,1-Dichloroethane	**1000**		50	5.5	ug/L			07/20/12 20:55	50
1,2-Dichloroethane	**83**		50	7.0	ug/L			07/20/12 20:55	50
1,1-Dichloroethene	9.5	U	50	9.5	ug/L			07/20/12 20:55	50
trans-1,2-Dichloroethene	**32**	**J**	50	4.5	ug/L			07/20/12 20:55	50
1,2-Dichloropropane	8.0	U	50	8.0	ug/L			07/20/12 20:55	50
cis-1,3-Dichloropropene	9.0	U	50	9.0	ug/L			07/20/12 20:55	50
trans-1,3-Dichloropropene	11	U	50	11	ug/L			07/20/12 20:55	50
Ethylbenzene	**520**		50	5.5	ug/L			07/20/12 20:55	50
2-Hexanone	18	U	100	18	ug/L			07/20/12 20:55	50
Methylene Chloride	**54**	**J**	250	7.5	ug/L			07/20/12 20:55	50
4-Methyl-2-pentanone (MIBK)	23	U	100	23	ug/L			07/20/12 20:55	50
Styrene	3.5	U	50	3.5	ug/L			07/20/12 20:55	50
1,1,2,2-Tetrachloroethane	11	U	50	11	ug/L			07/20/12 20:55	50
Tetrachloroethene	6.5	U	50	6.5	ug/L			07/20/12 20:55	50
Toluene	**100**		50	7.5	ug/L			07/20/12 20:55	50
1,1,1-Trichloroethane	7.5	U	50	7.5	ug/L			07/20/12 20:55	50
1,1,2-Trichloroethane	14	U	50	14	ug/L			07/20/12 20:55	50
Trichloroethene	**9.3**	**J**	50	9.0	ug/L			07/20/12 20:55	50
Vinyl acetate	11	U	100	11	ug/L			07/20/12 20:55	50
o-Xylene	6.0	U	50	6.0	ug/L			07/20/12 20:55	50
m-Xylene & p-Xylene	8.5	U	50	8.5	ug/L			07/20/12 20:55	50
Xylenes, Total	13	U	50	13	ug/L			07/20/12 20:55	50
cis-1,2-Dichloroethene	**17**	**J**	50	3.0	ug/L			07/20/12 20:55	50
Bromodichloromethane	8.0	U	50	8.0	ug/L			07/20/12 20:55	50
1,2-Dichloroethene, Total	**49**	**J**	50	15	ug/L			07/20/12 20:55	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*112*		*70 - 130*		*07/20/12 20:55*	*50*
Dibromofluoromethane	*113*		*62 - 130*		*07/20/12 20:55*	*50*
4-Bromofluorobenzene	*107*		*67 - 139*		*07/20/12 20:55*	*50*
1,2-Dichloroethane-d4 (Surr)	*104*		*50 - 134*		*07/20/12 20:55*	*50*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**3200**		200	16	ug/L			07/21/12 17:29	200
Vinyl chloride	**4900**		400	22	ug/L			07/21/12 17:29	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*111*		*70 - 130*		*07/21/12 17:29*	*200*

Client Sample ID: MW-71-SS-3

Lab Sample ID: 600-57972-1

Date Collected: 07/12/12 08:20

Matrix: Water

Date Received: 07/12/12 14:14

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	*116*		*62 - 130*		*07/21/12 17:29*	*200*
4-Bromofluorobenzene	*112*		*67 - 139*		*07/21/12 17:29*	*200*
1,2-Dichloroethane-d4 (Surr)	*109*		*50 - 134*		*07/21/12 17:29*	*200*

Client Sample ID: MW-65-SS-3

Lab Sample ID: 600-57972-2

Date Collected: 07/12/12 08:35

Matrix: Water

Date Received: 07/12/12 14:14

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	50	U	250	50	ug/L			07/20/12 21:23	50
Chlorobromomethane	9.0	U	50	9.0	ug/L			07/20/12 21:23	50
Bromoform	9.5	U	50	9.5	ug/L			07/20/12 21:23	50
Bromomethane	13	U	100	13	ug/L			07/20/12 21:23	50
2-Butanone (MEK)	38	U	100	38	ug/L			07/20/12 21:23	50
Carbon disulfide	**730**		100	12	ug/L			07/20/12 21:23	50
Carbon tetrachloride	7.5	U	50	7.5	ug/L			07/20/12 21:23	50
Dibromochloromethane	7.5	U	50	7.5	ug/L			07/20/12 21:23	50
Chlorobenzene	**990**		50	6.0	ug/L			07/20/12 21:23	50
Chloroethane	4.0	U	100	4.0	ug/L			07/20/12 21:23	50
Chloroform	**72**	**B**	50	6.5	ug/L			07/20/12 21:23	50
Chloromethane	**140**		100	9.0	ug/L			07/20/12 21:23	50
1,1-Dichloroethane	**2500**		50	5.5	ug/L			07/20/12 21:23	50
1,2-Dichloroethane	**130**		50	7.0	ug/L			07/20/12 21:23	50
1,1-Dichloroethene	**660**		50	9.5	ug/L			07/20/12 21:23	50
1,2-Dichloropropane	8.0	U	50	8.0	ug/L			07/20/12 21:23	50
cis-1,3-Dichloropropene	9.0	U	50	9.0	ug/L			07/20/12 21:23	50
trans-1,3-Dichloropropene	11	U	50	11	ug/L			07/20/12 21:23	50
Ethylbenzene	**850**		50	5.5	ug/L			07/20/12 21:23	50
2-Hexanone	18	U	100	18	ug/L			07/20/12 21:23	50
Methylene Chloride	**62**	**J**	250	7.5	ug/L			07/20/12 21:23	50
4-Methyl-2-pentanone (MIBK)	23	U	100	23	ug/L			07/20/12 21:23	50
Styrene	**25**	**J**	50	3.5	ug/L			07/20/12 21:23	50
1,1,2,2-Tetrachloroethane	11	U	50	11	ug/L			07/20/12 21:23	50
Tetrachloroethene	**89**		50	6.5	ug/L			07/20/12 21:23	50
Toluene	**230**		50	7.5	ug/L			07/20/12 21:23	50
1,1,1-Trichloroethane	7.5	U	50	7.5	ug/L			07/20/12 21:23	50
1,1,2-Trichloroethane	14	U	50	14	ug/L			07/20/12 21:23	50
Trichloroethene	**270**		50	9.0	ug/L			07/20/12 21:23	50
Vinyl acetate	11	U	100	11	ug/L			07/20/12 21:23	50
o-Xylene	**27**	**J**	50	6.0	ug/L			07/20/12 21:23	50
m-Xylene & p-Xylene	**62**		50	8.5	ug/L			07/20/12 21:23	50
Xylenes, Total	**89**		50	13	ug/L			07/20/12 21:23	50
Bromodichloromethane	8.0	U	50	8.0	ug/L			07/20/12 21:23	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*114*		*70 - 130*		*07/20/12 21:23*	*50*
Dibromofluoromethane	*115*		*62 - 130*		*07/20/12 21:23*	*50*
4-Bromofluorobenzene	*107*		*67 - 139*		*07/20/12 21:23*	*50*
1,2-Dichloroethane-d4 (Surr)	*108*		*50 - 134*		*07/20/12 21:23*	*50*

Client Sample Results

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-57972-1

Client Sample ID: MW-65-SS-3

Lab Sample ID: 600-57972-2

Date Collected: 07/12/12 08:35
Matrix: Water
Date Received: 07/12/12 14:14

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**2800**		200	16	ug/L			07/21/12 13:50	200
trans-1,2-Dichloroethene	**3600**		200	18	ug/L			07/21/12 13:50	200
Vinyl chloride	**190000**		20000	1100	ug/L			07/23/12 13:02	10000
cis-1,2-Dichloroethene	**250**		200	12	ug/L			07/21/12 13:50	200
1,2-Dichloroethene, Total	**3900**		200	60	ug/L			07/21/12 13:50	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*111*		*70 - 130*		*07/21/12 13:50*	*200*
Toluene-d8 (Surr)	*118*		*70 - 130*		*07/23/12 13:02*	*10000*
Dibromofluoromethane	*113*		*62 - 130*		*07/21/12 13:50*	*200*
Dibromofluoromethane	*119*		*62 - 130*		*07/23/12 13:02*	*10000*
4-Bromofluorobenzene	*110*		*67 - 139*		*07/21/12 13:50*	*200*
4-Bromofluorobenzene	*111*		*67 - 139*		*07/23/12 13:02*	*10000*
1,2-Dichloroethane-d4 (Surr)	*104*		*50 - 134*		*07/21/12 13:50*	*200*
1,2-Dichloroethane-d4 (Surr)	*114*		*50 - 134*		*07/23/12 13:02*	*10000*

Client Sample ID: MW-8-SS-3

Lab Sample ID: 600-57972-3

Date Collected: 07/12/12 08:55
Matrix: Water
Date Received: 07/12/12 14:14

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**96**	**J**	250	50	ug/L			07/20/12 21:50	50
Benzene	**780**		50	4.0	ug/L			07/20/12 21:50	50
Chlorobromomethane	9.0	U	50	9.0	ug/L			07/20/12 21:50	50
Bromoform	9.5	U	50	9.5	ug/L			07/20/12 21:50	50
Bromomethane	13	U	100	13	ug/L			07/20/12 21:50	50
2-Butanone (MEK)	38	U	100	38	ug/L			07/20/12 21:50	50
Carbon disulfide	**32**	**J**	100	12	ug/L			07/20/12 21:50	50
Carbon tetrachloride	7.5	U	50	7.5	ug/L			07/20/12 21:50	50
Dibromochloromethane	7.5	U	50	7.5	ug/L			07/20/12 21:50	50
Chlorobenzene	**160**		50	6.0	ug/L			07/20/12 21:50	50
Chloroethane	4.0	U	100	4.0	ug/L			07/20/12 21:50	50
Chloroform	**49**	**J B**	50	6.5	ug/L			07/20/12 21:50	50
Chloromethane	9.0	U	100	9.0	ug/L			07/20/12 21:50	50
1,1-Dichloroethane	**330**		50	5.5	ug/L			07/20/12 21:50	50
1,2-Dichloroethane	**51**		50	7.0	ug/L			07/20/12 21:50	50
1,1-Dichloroethene	**24**	**J**	50	9.5	ug/L			07/20/12 21:50	50
trans-1,2-Dichloroethene	**170**		50	4.5	ug/L			07/20/12 21:50	50
1,2-Dichloropropane	8.0	U	50	8.0	ug/L			07/20/12 21:50	50
cis-1,3-Dichloropropene	9.0	U	50	9.0	ug/L			07/20/12 21:50	50
trans-1,3-Dichloropropene	11	U	50	11	ug/L			07/20/12 21:50	50
Ethylbenzene	**400**		50	5.5	ug/L			07/20/12 21:50	50
2-Hexanone	18	U	100	18	ug/L			07/20/12 21:50	50
Methylene Chloride	**64**	**J**	250	7.5	ug/L			07/20/12 21:50	50
4-Methyl-2-pentanone (MIBK)	23	U	100	23	ug/L			07/20/12 21:50	50
Styrene	3.5	U	50	3.5	ug/L			07/20/12 21:50	50
1,1,2,2-Tetrachloroethane	11	U	50	11	ug/L			07/20/12 21:50	50
Tetrachloroethene	6.5	U	50	6.5	ug/L			07/20/12 21:50	50
Toluene	**79**		50	7.5	ug/L			07/20/12 21:50	50
1,1,1-Trichloroethane	7.5	U	50	7.5	ug/L			07/20/12 21:50	50

Client Sample ID: MW-8-SS-3

Lab Sample ID: 600-57972-3

Date Collected: 07/12/12 08:55

Matrix: Water

Date Received: 07/12/12 14:14

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	14	U	50	14	ug/L			07/20/12 21:50	50
Trichloroethene	9.0	U	50	9.0	ug/L			07/20/12 21:50	50
Vinyl acetate	11	U	100	11	ug/L			07/20/12 21:50	50
o-Xylene	**9.6**	**J**	50	6.0	ug/L			07/20/12 21:50	50
m-Xylene & p-Xylene	**23**	**J**	50	8.5	ug/L			07/20/12 21:50	50
Xylenes, Total	**33**	**J**	50	13	ug/L			07/20/12 21:50	50
cis-1,2-Dichloroethene	**24**	**J**	50	3.0	ug/L			07/20/12 21:50	50
Bromodichloromethane	8.0	U	50	8.0	ug/L			07/20/12 21:50	50
1,2-Dichloroethene, Total	**190**		50	15	ug/L			07/20/12 21:50	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*118*		*70 - 130*		*07/20/12 21:50*	*50*
Dibromofluoromethane	*116*		*62 - 130*		*07/20/12 21:50*	*50*
4-Bromofluorobenzene	*113*		*67 - 139*		*07/20/12 21:50*	*50*
1,2-Dichloroethane-d4 (Surr)	*111*		*50 - 134*		*07/20/12 21:50*	*50*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**3700**		400	22	ug/L			07/21/12 17:56	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*120*		*70 - 130*		*07/21/12 17:56*	*200*
Dibromofluoromethane	*121*		*62 - 130*		*07/21/12 17:56*	*200*
4-Bromofluorobenzene	*110*		*67 - 139*		*07/21/12 17:56*	*200*
1,2-Dichloroethane-d4 (Surr)	*112*		*50 - 134*		*07/21/12 17:56*	*200*

Client Sample ID: MW-11-SS-3

Lab Sample ID: 600-57972-4

Date Collected: 07/12/12 09:05

Matrix: Water

Date Received: 07/12/12 14:14

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	50	U	250	50	ug/L			07/20/12 22:17	50
Benzene	**180**		50	4.0	ug/L			07/20/12 22:17	50
Chlorobromomethane	9.0	U	50	9.0	ug/L			07/20/12 22:17	50
Bromoform	9.5	U	50	9.5	ug/L			07/20/12 22:17	50
Bromomethane	13	U	100	13	ug/L			07/20/12 22:17	50
2-Butanone (MEK)	38	U	100	38	ug/L			07/20/12 22:17	50
Carbon disulfide	**140**		100	12	ug/L			07/20/12 22:17	50
Carbon tetrachloride	7.5	U	50	7.5	ug/L			07/20/12 22:17	50
Dibromochloromethane	7.5	U	50	7.5	ug/L			07/20/12 22:17	50
Chlorobenzene	**520**		50	6.0	ug/L			07/20/12 22:17	50
Chloroethane	4.0	U	100	4.0	ug/L			07/20/12 22:17	50
Chloroform	**44**	**J B**	50	6.5	ug/L			07/20/12 22:17	50
Chloromethane	9.0	U	100	9.0	ug/L			07/20/12 22:17	50
1,1-Dichloroethane	**1500**		50	5.5	ug/L			07/20/12 22:17	50
1,1-Dichloroethene	**1300**		50	9.5	ug/L			07/20/12 22:17	50
1,2-Dichloropropane	8.0	U	50	8.0	ug/L			07/20/12 22:17	50
cis-1,3-Dichloropropene	9.0	U	50	9.0	ug/L			07/20/12 22:17	50
trans-1,3-Dichloropropene	11	U	50	11	ug/L			07/20/12 22:17	50
Ethylbenzene	**42**	**J**	50	5.5	ug/L			07/20/12 22:17	50
2-Hexanone	18	U	100	18	ug/L			07/20/12 22:17	50

Client Sample ID: MW-11-SS-3

Lab Sample ID: 600-57972-4

Date Collected: 07/12/12 09:05

Matrix: Water

Date Received: 07/12/12 14:14

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	**63**	**J**	250	7.5	ug/L			07/20/12 22:17	50
4-Methyl-2-pentanone (MIBK)	23	U	100	23	ug/L			07/20/12 22:17	50
Styrene	3.5	U	50	3.5	ug/L			07/20/12 22:17	50
1,1,2,2-Tetrachloroethane	11	U	50	11	ug/L			07/20/12 22:17	50
Tetrachloroethene	**8.1**	**J**	50	6.5	ug/L			07/20/12 22:17	50
Toluene	**19**	**J**	50	7.5	ug/L			07/20/12 22:17	50
1,1,1-Trichloroethane	7.5	U	50	7.5	ug/L			07/20/12 22:17	50
1,1,2-Trichloroethane	**47**	**J**	50	14	ug/L			07/20/12 22:17	50
Trichloroethene	**1700**		50	9.0	ug/L			07/20/12 22:17	50
Vinyl acetate	11	U	100	11	ug/L			07/20/12 22:17	50
o-Xylene	6.0	U	50	6.0	ug/L			07/20/12 22:17	50
m-Xylene & p-Xylene	8.5	U	50	8.5	ug/L			07/20/12 22:17	50
Xylenes, Total	13	U	50	13	ug/L			07/20/12 22:17	50
Bromodichloromethane	8.0	U	50	8.0	ug/L			07/20/12 22:17	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*115*		*70 - 130*		*07/20/12 22:17*	*50*
Dibromofluoromethane	*115*		*62 - 130*		*07/20/12 22:17*	*50*
4-Bromofluorobenzene	*118*		*67 - 139*		*07/20/12 22:17*	*50*
1,2-Dichloroethane-d4 (Surr)	*99*		*50 - 134*		*07/20/12 22:17*	*50*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	**12000**		1000	140	ug/L			07/21/12 18:23	1000
trans-1,2-Dichloroethene	**4000**		1000	90	ug/L			07/21/12 18:23	1000
Vinyl chloride	**36000**		10000	550	ug/L			07/23/12 13:30	5000
cis-1,2-Dichloroethene	**7200**		1000	60	ug/L			07/21/12 18:23	1000
1,2-Dichloroethene, Total	**11000**		1000	300	ug/L			07/21/12 18:23	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*121*		*70 - 130*		*07/21/12 18:23*	*1000*
Toluene-d8 (Surr)	*110*		*70 - 130*		*07/23/12 13:30*	*5000*
Dibromofluoromethane	*117*		*62 - 130*		*07/21/12 18:23*	*1000*
Dibromofluoromethane	*112*		*62 - 130*		*07/23/12 13:30*	*5000*
4-Bromofluorobenzene	*111*		*67 - 139*		*07/21/12 18:23*	*1000*
4-Bromofluorobenzene	*105*		*67 - 139*		*07/23/12 13:30*	*5000*
1,2-Dichloroethane-d4 (Surr)	*112*		*50 - 134*		*07/21/12 18:23*	*1000*
1,2-Dichloroethane-d4 (Surr)	*103*		*50 - 134*		*07/23/12 13:30*	*5000*

Client Sample ID: MW-40-SS-3

Lab Sample ID: 600-57972-5

Date Collected: 07/12/12 09:15

Matrix: Water

Date Received: 07/12/12 14:14

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**40**	**J**	100	20	ug/L			07/21/12 14:44	20
Benzene	**180**		20	1.6	ug/L			07/21/12 14:44	20
Chlorobromomethane	3.6	U	20	3.6	ug/L			07/21/12 14:44	20
Bromoform	3.8	U	20	3.8	ug/L			07/21/12 14:44	20
Bromomethane	5.0	U	40	5.0	ug/L			07/21/12 14:44	20
2-Butanone (MEK)	15	U	40	15	ug/L			07/21/12 14:44	20
Carbon disulfide	**11**	**J**	40	4.8	ug/L			07/21/12 14:44	20

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-57972-1

Client Sample ID: MW-40-SS-3

Date Collected: 07/12/12 09:15
Date Received: 07/12/12 14:14

Lab Sample ID: 600-57972-5

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	3.0	U	20	3.0	ug/L			07/21/12 14:44	20
Dibromochloromethane	3.0	U	20	3.0	ug/L			07/21/12 14:44	20
Chlorobenzene	**480**		20	2.4	ug/L			07/21/12 14:44	20
Chloroethane	1.6	U	40	1.6	ug/L			07/21/12 14:44	20
Chloroform	**9.7**	**J B**	20	2.6	ug/L			07/21/12 14:44	20
Chloromethane	3.6	U	40	3.6	ug/L			07/21/12 14:44	20
1,1-Dichloroethane	**570**		20	2.2	ug/L			07/21/12 14:44	20
1,2-Dichloroethane	**25**		20	2.8	ug/L			07/21/12 14:44	20
1,1-Dichloroethene	**16**	**J**	20	3.8	ug/L			07/21/12 14:44	20
trans-1,2-Dichloroethene	**57**		20	1.8	ug/L			07/21/12 14:44	20
1,2-Dichloropropane	3.2	U	20	3.2	ug/L			07/21/12 14:44	20
cis-1,3-Dichloropropene	3.6	U	20	3.6	ug/L			07/21/12 14:44	20
trans-1,3-Dichloropropene	4.2	U	20	4.2	ug/L			07/21/12 14:44	20
Ethylbenzene	**160**		20	2.2	ug/L			07/21/12 14:44	20
2-Hexanone	7.0	U	40	7.0	ug/L			07/21/12 14:44	20
Methylene Chloride	3.0	U	100	3.0	ug/L			07/21/12 14:44	20
4-Methyl-2-pentanone (MIBK)	9.0	U	40	9.0	ug/L			07/21/12 14:44	20
Styrene	1.4	U	20	1.4	ug/L			07/21/12 14:44	20
1,1,2,2-Tetrachloroethane	4.4	U	20	4.4	ug/L			07/21/12 14:44	20
Tetrachloroethene	**4.7**	**J**	20	2.6	ug/L			07/21/12 14:44	20
Toluene	**34**		20	3.0	ug/L			07/21/12 14:44	20
1,1,1-Trichloroethane	3.0	U	20	3.0	ug/L			07/21/12 14:44	20
1,1,2-Trichloroethane	5.6	U	20	5.6	ug/L			07/21/12 14:44	20
Trichloroethene	**16**	**J**	20	3.6	ug/L			07/21/12 14:44	20
Vinyl acetate	4.2	U	40	4.2	ug/L			07/21/12 14:44	20
o-Xylene	2.4	U	20	2.4	ug/L			07/21/12 14:44	20
m-Xylene & p-Xylene	**4.9**	**J**	20	3.4	ug/L			07/21/12 14:44	20
Xylenes, Total	5.2	U	20	5.2	ug/L			07/21/12 14:44	20
cis-1,2-Dichloroethene	**17**	**J**	20	1.2	ug/L			07/21/12 14:44	20
Bromodichloromethane	3.2	U	20	3.2	ug/L			07/21/12 14:44	20
1,2-Dichloroethene, Total	**74**		20	6.0	ug/L			07/21/12 14:44	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*114*		*70 - 130*		*07/21/12 14:44*	*20*
Dibromofluoromethane	*110*		*62 - 130*		*07/21/12 14:44*	*20*
4-Bromofluorobenzene	*113*		*67 - 139*		*07/21/12 14:44*	*20*
1,2-Dichloroethane-d4 (Surr)	*105*		*50 - 134*		*07/21/12 14:44*	*20*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**4600**		400	22	ug/L			07/21/12 15:12	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*115*		*70 - 130*		*07/21/12 15:12*	*200*
Dibromofluoromethane	*118*		*62 - 130*		*07/21/12 15:12*	*200*
4-Bromofluorobenzene	*113*		*67 - 139*		*07/21/12 15:12*	*200*
1,2-Dichloroethane-d4 (Surr)	*106*		*50 - 134*		*07/21/12 15:12*	*200*

Client Sample Results

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-57972-1

Client Sample ID: MW-68-SS-3

Date Collected: 07/12/12 09:25
Date Received: 07/12/12 14:14

Lab Sample ID: 600-57972-6

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	50	U	250	50	ug/L			07/20/12 23:12	50
Benzene	**220**		50	4.0	ug/L			07/20/12 23:12	50
Chlorobromomethane	9.0	U	50	9.0	ug/L			07/20/12 23:12	50
Bromoform	9.5	U	50	9.5	ug/L			07/20/12 23:12	50
Bromomethane	13	U	100	13	ug/L			07/20/12 23:12	50
2-Butanone (MEK)	38	U	100	38	ug/L			07/20/12 23:12	50
Carbon disulfide	**21**	**J**	100	12	ug/L			07/20/12 23:12	50
Carbon tetrachloride	7.5	U	50	7.5	ug/L			07/20/12 23:12	50
Dibromochloromethane	7.5	U	50	7.5	ug/L			07/20/12 23:12	50
Chlorobenzene	**64**		50	6.0	ug/L			07/20/12 23:12	50
Chloroethane	4.0	U	100	4.0	ug/L			07/20/12 23:12	50
Chloroform	**47**	**J B**	50	6.5	ug/L			07/20/12 23:12	50
Chloromethane	9.0	U	100	9.0	ug/L			07/20/12 23:12	50
1,1-Dichloroethane	**190**		50	5.5	ug/L			07/20/12 23:12	50
1,2-Dichloroethane	**12**	**J**	50	7.0	ug/L			07/20/12 23:12	50
1,1-Dichloroethene	9.5	U	50	9.5	ug/L			07/20/12 23:12	50
trans-1,2-Dichloroethene	**750**		50	4.5	ug/L			07/20/12 23:12	50
1,2-Dichloropropane	8.0	U	50	8.0	ug/L			07/20/12 23:12	50
cis-1,3-Dichloropropene	9.0	U	50	9.0	ug/L			07/20/12 23:12	50
trans-1,3-Dichloropropene	11	U	50	11	ug/L			07/20/12 23:12	50
Ethylbenzene	**480**		50	5.5	ug/L			07/20/12 23:12	50
2-Hexanone	18	U	100	18	ug/L			07/20/12 23:12	50
Methylene Chloride	**48**	**J**	250	7.5	ug/L			07/20/12 23:12	50
4-Methyl-2-pentanone (MIBK)	23	U	100	23	ug/L			07/20/12 23:12	50
Styrene	3.5	U	50	3.5	ug/L			07/20/12 23:12	50
1,1,2,2-Tetrachloroethane	11	U	50	11	ug/L			07/20/12 23:12	50
Tetrachloroethene	6.5	U	50	6.5	ug/L			07/20/12 23:12	50
Toluene	**68**		50	7.5	ug/L			07/20/12 23:12	50
1,1,1-Trichloroethane	7.5	U	50	7.5	ug/L			07/20/12 23:12	50
1,1,2-Trichloroethane	14	U	50	14	ug/L			07/20/12 23:12	50
Trichloroethene	9.0	U	50	9.0	ug/L			07/20/12 23:12	50
Vinyl acetate	11	U	100	11	ug/L			07/20/12 23:12	50
o-Xylene	6.0	U	50	6.0	ug/L			07/20/12 23:12	50
m-Xylene & p-Xylene	**430**		50	8.5	ug/L			07/20/12 23:12	50
Xylenes, Total	**430**		50	13	ug/L			07/20/12 23:12	50
cis-1,2-Dichloroethene	**22**	**J**	50	3.0	ug/L			07/20/12 23:12	50
Bromodichloromethane	8.0	U	50	8.0	ug/L			07/20/12 23:12	50
1,2-Dichloroethene, Total	**770**		50	15	ug/L			07/20/12 23:12	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*114*		*70 - 130*		*07/20/12 23:12*	*50*
Dibromofluoromethane	*111*		*62 - 130*		*07/20/12 23:12*	*50*
4-Bromofluorobenzene	*105*		*67 - 139*		*07/20/12 23:12*	*50*
1,2-Dichloroethane-d4 (Surr)	*106*		*50 - 134*		*07/20/12 23:12*	*50*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**18000**		2000	110	ug/L			07/21/12 18:51	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*115*		*70 - 130*		*07/21/12 18:51*	*1000*
Dibromofluoromethane	*118*		*62 - 130*		*07/21/12 18:51*	*1000*

Client Sample ID: MW-68-SS-3

Lab Sample ID: 600-57972-6

Date Collected: 07/12/12 09:25
Matrix: Water
Date Received: 07/12/12 14:14

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	110		67 - 139		07/21/12 18:51	1000
1,2-Dichloroethane-d4 (Surr)	114		50 - 134		07/21/12 18:51	1000

Client Sample ID: MW-66-SS-3

Lab Sample ID: 600-57972-7

Date Collected: 07/12/12 09:35
Matrix: Water
Date Received: 07/12/12 14:14

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**1200**		250	50	ug/L			07/20/12 23:39	50
Chlorobromomethane	9.0	U	50	9.0	ug/L			07/20/12 23:39	50
Bromoform	9.5	U	50	9.5	ug/L			07/20/12 23:39	50
Bromomethane	13	U	100	13	ug/L			07/20/12 23:39	50
2-Butanone (MEK)	**250**		100	38	ug/L			07/20/12 23:39	50
Carbon disulfide	**22**	**J**	100	12	ug/L			07/20/12 23:39	50
Carbon tetrachloride	7.5	U	50	7.5	ug/L			07/20/12 23:39	50
Dibromochloromethane	7.5	U	50	7.5	ug/L			07/20/12 23:39	50
Chlorobenzene	**2600**	**E**	50	6.0	ug/L			07/20/12 23:39	50
Chloroethane	4.0	U	100	4.0	ug/L			07/20/12 23:39	50
Chloroform	**85**	**B**	50	6.5	ug/L			07/20/12 23:39	50
Chloromethane	**120**		100	9.0	ug/L			07/20/12 23:39	50
1,1-Dichloroethane	**2300**		50	5.5	ug/L			07/20/12 23:39	50
trans-1,2-Dichloroethene	**2000**		50	4.5	ug/L			07/20/12 23:39	50
1,2-Dichloropropane	8.0	U	50	8.0	ug/L			07/20/12 23:39	50
cis-1,3-Dichloropropene	9.0	U	50	9.0	ug/L			07/20/12 23:39	50
trans-1,3-Dichloropropene	11	U	50	11	ug/L			07/20/12 23:39	50
2-Hexanone	18	U	100	18	ug/L			07/20/12 23:39	50
Methylene Chloride	**240**	**J**	250	7.5	ug/L			07/20/12 23:39	50
4-Methyl-2-pentanone (MIBK)	23	U	100	23	ug/L			07/20/12 23:39	50
1,1,2,2-Tetrachloroethane	**290**		50	11	ug/L			07/20/12 23:39	50
Tetrachloroethene	**310**		50	6.5	ug/L			07/20/12 23:39	50
1,1,1-Trichloroethane	7.5	U	50	7.5	ug/L			07/20/12 23:39	50
Trichloroethene	**1500**		50	9.0	ug/L			07/20/12 23:39	50
Vinyl acetate	11	U	100	11	ug/L			07/20/12 23:39	50
o-Xylene	**42**	**J**	50	6.0	ug/L			07/20/12 23:39	50
m-Xylene & p-Xylene	**99**		50	8.5	ug/L			07/20/12 23:39	50
Xylenes, Total	**140**		50	13	ug/L			07/20/12 23:39	50
cis-1,2-Dichloroethene	**1200**		50	3.0	ug/L			07/20/12 23:39	50
Bromodichloromethane	8.0	U	50	8.0	ug/L			07/20/12 23:39	50
1,2-Dichloroethene, Total	**3200**		50	15	ug/L			07/20/12 23:39	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	109		70 - 130		07/20/12 23:39	50
Dibromofluoromethane	104		62 - 130		07/20/12 23:39	50
4-Bromofluorobenzene	105		67 - 139		07/20/12 23:39	50
1,2-Dichloroethane-d4 (Surr)	95		50 - 134		07/20/12 23:39	50

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**7900**		500	40	ug/L			07/21/12 15:39	500
1,1-Dichloroethene	**2500**		500	95	ug/L			07/21/12 15:39	500

Client Sample ID: MW-66-SS-3

Lab Sample ID: 600-57972-7

Date Collected: 07/12/12 09:35

Matrix: Water

Date Received: 07/12/12 14:14

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	**6500**		500	55	ug/L			07/21/12 15:39	500
Styrene	**2100**		500	35	ug/L			07/21/12 15:39	500
Toluene	**3400**		500	75	ug/L			07/21/12 15:39	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*70 - 130*		*07/21/12 15:39*	*500*
Dibromofluoromethane	*122*		*62 - 130*		*07/21/12 15:39*	*500*
4-Bromofluorobenzene	*109*		*67 - 139*		*07/21/12 15:39*	*500*
1,2-Dichloroethane-d4 (Surr)	*103*		*50 - 134*		*07/21/12 15:39*	*500*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	**220000**		5000	700	ug/L			07/21/12 16:07	5000
1,1,2-Trichloroethane	**140000**		5000	1400	ug/L			07/21/12 16:07	5000
Vinyl chloride	**120000**		10000	550	ug/L			07/21/12 16:07	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*113*		*70 - 130*		*07/21/12 16:07*	*5000*
Dibromofluoromethane	*119*		*62 - 130*		*07/21/12 16:07*	*5000*
4-Bromofluorobenzene	*111*		*67 - 139*		*07/21/12 16:07*	*5000*
1,2-Dichloroethane-d4 (Surr)	*104*		*50 - 134*		*07/21/12 16:07*	*5000*

Client Sample ID: MW-4-SS-3

Lab Sample ID: 600-57972-8

Date Collected: 07/12/12 09:45

Matrix: Water

Date Received: 07/12/12 14:14

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	50	U	250	50	ug/L			07/21/12 00:07	50
Chlorobromomethane	9.0	U	50	9.0	ug/L			07/21/12 00:07	50
Bromoform	9.5	U	50	9.5	ug/L			07/21/12 00:07	50
Bromomethane	13	U	100	13	ug/L			07/21/12 00:07	50
2-Butanone (MEK)	38	U	100	38	ug/L			07/21/12 00:07	50
Carbon disulfide	**21**	**J**	100	12	ug/L			07/21/12 00:07	50
Carbon tetrachloride	7.5	U	50	7.5	ug/L			07/21/12 00:07	50
Dibromochloromethane	7.5	U	50	7.5	ug/L			07/21/12 00:07	50
Chlorobenzene	**1300**		50	6.0	ug/L			07/21/12 00:07	50
Chloroethane	4.0	U	100	4.0	ug/L			07/21/12 00:07	50
Chloroform	**45**	**J B**	50	6.5	ug/L			07/21/12 00:07	50
Chloromethane	**130**		100	9.0	ug/L			07/21/12 00:07	50
1,2-Dichloropropane	8.0	U	50	8.0	ug/L			07/21/12 00:07	50
cis-1,3-Dichloropropene	9.0	U	50	9.0	ug/L			07/21/12 00:07	50
trans-1,3-Dichloropropene	11	U	50	11	ug/L			07/21/12 00:07	50
Ethylbenzene	**1000**		50	5.5	ug/L			07/21/12 00:07	50
2-Hexanone	18	U	100	18	ug/L			07/21/12 00:07	50
Methylene Chloride	**65**	**J**	250	7.5	ug/L			07/21/12 00:07	50
4-Methyl-2-pentanone (MIBK)	23	U	100	23	ug/L			07/21/12 00:07	50
Styrene	**31**	**J**	50	3.5	ug/L			07/21/12 00:07	50
1,1,2,2-Tetrachloroethane	11	U	50	11	ug/L			07/21/12 00:07	50
Tetrachloroethene	**530**		50	6.5	ug/L			07/21/12 00:07	50
Toluene	**300**		50	7.5	ug/L			07/21/12 00:07	50
1,1,1-Trichloroethane	7.5	U	50	7.5	ug/L			07/21/12 00:07	50

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-57972-1

Client Sample ID: MW-4-SS-3

Date Collected: 07/12/12 09:45
Date Received: 07/12/12 14:14

Lab Sample ID: 600-57972-8

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	810		50	14	ug/L			07/21/12 00:07	50
Trichloroethene	2100		50	9.0	ug/L			07/21/12 00:07	50
Vinyl acetate	11	U	100	11	ug/L			07/21/12 00:07	50
o-Xylene	29	J	50	6.0	ug/L			07/21/12 00:07	50
m-Xylene & p-Xylene	79		50	8.5	ug/L			07/21/12 00:07	50
Xylenes, Total	110		50	13	ug/L			07/21/12 00:07	50
Bromodichloromethane	8.0	U	50	8.0	ug/L			07/21/12 00:07	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*120*		*70 - 130*		*07/21/12 00:07*	*50*
Dibromofluoromethane	*106*		*62 - 130*		*07/21/12 00:07*	*50*
4-Bromofluorobenzene	*112*		*67 - 139*		*07/21/12 00:07*	*50*
1,2-Dichloroethane-d4 (Surr)	*97*		*50 - 134*		*07/21/12 00:07*	*50*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	4900		500	40	ug/L			07/21/12 16:34	500
1,1-Dichloroethane	5400		500	55	ug/L			07/21/12 16:34	500
1,1-Dichloroethene	8100		500	95	ug/L			07/21/12 16:34	500
trans-1,2-Dichloroethene	9500		500	45	ug/L			07/21/12 16:34	500
Vinyl chloride	220000		40000	2200	ug/L			07/23/12 13:57	20000
cis-1,2-Dichloroethene	4800		500	30	ug/L			07/21/12 16:34	500
1,2-Dichloroethene, Total	14000		500	150	ug/L			07/21/12 16:34	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*114*		*70 - 130*		*07/21/12 16:34*	*500*
Toluene-d8 (Surr)	*115*		*70 - 130*		*07/23/12 13:57*	*20000*
Dibromofluoromethane	*115*		*62 - 130*		*07/21/12 16:34*	*500*
Dibromofluoromethane	*123*		*62 - 130*		*07/23/12 13:57*	*20000*
4-Bromofluorobenzene	*116*		*67 - 139*		*07/21/12 16:34*	*500*
4-Bromofluorobenzene	*107*		*67 - 139*		*07/23/12 13:57*	*20000*
1,2-Dichloroethane-d4 (Surr)	*97*		*50 - 134*		*07/21/12 16:34*	*500*
1,2-Dichloroethane-d4 (Surr)	*113*		*50 - 134*		*07/23/12 13:57*	*20000*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	63000		5000	700	ug/L			07/21/12 17:01	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*113*		*70 - 130*		*07/21/12 17:01*	*5000*
Dibromofluoromethane	*116*		*62 - 130*		*07/21/12 17:01*	*5000*
4-Bromofluorobenzene	*112*		*67 - 139*		*07/21/12 17:01*	*5000*
1,2-Dichloroethane-d4 (Surr)	*119*		*50 - 134*		*07/21/12 17:01*	*5000*

Surrogate Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-57972-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DBFM	BFB	12DCE
Lab Sample ID	Client Sample ID	(70-130)	(62-130)	(67-139)	(50-134)
600-57972-1	MW-71-SS-3	112	113	107	104
600-57972-1 - DL	MW-71-SS-3	111	116	112	109
600-57972-2	MW-65-SS-3	114	115	107	108
600-57972-2 - DL	MW-65-SS-3	111	113	110	104
600-57972-2 - DL	MW-65-SS-3	118	119	111	114
600-57972-2 MS	MW-65-SS-3	108	108	107	106
600-57972-2 MSD - DL	MW-65-SS-3	114	114	103	112
600-57972-3	MW-8-SS-3	118	116	113	111
600-57972-3 - DL	MW-8-SS-3	120	121	110	112
600-57972-4	MW-11-SS-3	115	115	118	99
600-57972-4 - DL	MW-11-SS-3	121	117	111	112
600-57972-4 - DL	MW-11-SS-3	110	112	105	103
600-57972-5	MW-40-SS-3	114	110	113	105
600-57972-5 - DL	MW-40-SS-3	115	118	113	106
600-57972-6	MW-68-SS-3	114	111	105	106
600-57972-6 - DL	MW-68-SS-3	115	118	110	114
600-57972-7	MW-66-SS-3	109	104	105	95
600-57972-7 - DL	MW-66-SS-3	100	122	109	103
600-57972-7 - DL2	MW-66-SS-3	113	119	111	104
600-57972-8	MW-4-SS-3	120	106	112	97
600-57972-8 - DL	MW-4-SS-3	114	115	116	97
600-57972-8 - DL2	MW-4-SS-3	113	116	112	119
600-57972-8 - DL	MW-4-SS-3	115	123	107	113
LCS 600-84344/3	Lab Control Sample	125	121	109	117
LCS 600-84418/3	Lab Control Sample	116	120	110	119
LCS 600-84539/3	Lab Control Sample	113	110	101	110
MB 600-84344/4	Method Blank	115	111	112	104
MB 600-84418/4	Method Blank	117	118	104	106
MB 600-84539/4	Method Blank	117	129	110	115

Surrogate Legend

TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane
BFB = 4-Bromofluorobenzene
12DCE = 1,2-Dichloroethane-d4 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 600-84344/4
Matrix: Water
Analysis Batch: 84344

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			07/20/12 14:57	1
Benzene	0.080	U	1.0	0.080	ug/L			07/20/12 14:57	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			07/20/12 14:57	1
Bromoform	0.19	U	1.0	0.19	ug/L			07/20/12 14:57	1
Bromomethane	0.25	U	2.0	0.25	ug/L			07/20/12 14:57	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			07/20/12 14:57	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			07/20/12 14:57	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			07/20/12 14:57	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			07/20/12 14:57	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			07/20/12 14:57	1
Chloroethane	0.080	U	2.0	0.080	ug/L			07/20/12 14:57	1
Chloroform	0.201	J	1.0	0.13	ug/L			07/20/12 14:57	1
Chloromethane	0.18	U	2.0	0.18	ug/L			07/20/12 14:57	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			07/20/12 14:57	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			07/20/12 14:57	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			07/20/12 14:57	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			07/20/12 14:57	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			07/20/12 14:57	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			07/20/12 14:57	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			07/20/12 14:57	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			07/20/12 14:57	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			07/20/12 14:57	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			07/20/12 14:57	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			07/20/12 14:57	1
Styrene	0.070	U	1.0	0.070	ug/L			07/20/12 14:57	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			07/20/12 14:57	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			07/20/12 14:57	1
Toluene	0.15	U	1.0	0.15	ug/L			07/20/12 14:57	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			07/20/12 14:57	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			07/20/12 14:57	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			07/20/12 14:57	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			07/20/12 14:57	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			07/20/12 14:57	1
o-Xylene	0.12	U	1.0	0.12	ug/L			07/20/12 14:57	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			07/20/12 14:57	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			07/20/12 14:57	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			07/20/12 14:57	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			07/20/12 14:57	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			07/20/12 14:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*115*		*70 - 130*		*07/20/12 14:57*	*1*
Dibromofluoromethane	*111*		*62 - 130*		*07/20/12 14:57*	*1*
4-Bromofluorobenzene	*112*		*67 - 139*		*07/20/12 14:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*50 - 134*		*07/20/12 14:57*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-84344/3
Matrix: Water
Analysis Batch: 84344

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	15.9		ug/L		80	28 - 152
Benzene	10.0	9.85		ug/L		99	69 - 131
Chlorobromomethane	10.0	8.11		ug/L		81	60 - 141
Bromoform	10.0	8.53		ug/L		85	39 - 149
Bromomethane	10.0	6.47		ug/L		65	52 - 146
2-Butanone (MEK)	20.0	16.0		ug/L		80	59 - 133
Carbon disulfide	10.0	10.4		ug/L		104	32 - 177
Carbon tetrachloride	10.0	11.0		ug/L		110	59 - 147
Dibromochloromethane	10.0	8.75		ug/L		87	58 - 132
Chlorobenzene	10.0	9.85		ug/L		98	60 - 136
Chloroethane	10.0	9.86		ug/L		99	56 - 144
Chloroform	10.0	10.9		ug/L		109	69 - 128
Chloromethane	10.0	9.72		ug/L		97	32 - 151
1,1-Dichloroethane	10.0	10.6		ug/L		106	66 - 126
1,2-Dichloroethane	10.0	10.5		ug/L		105	66 - 140
1,1-Dichloroethene	10.0	9.45		ug/L		95	59 - 145
trans-1,2-Dichloroethene	10.0	8.93		ug/L		89	70 - 132
1,2-Dichloropropane	10.0	9.35		ug/L		93	72 - 125
cis-1,3-Dichloropropene	10.0	7.88		ug/L		79	60 - 135
trans-1,3-Dichloropropene	10.0	9.08		ug/L		91	63 - 133
Ethylbenzene	10.0	9.69		ug/L		97	68 - 128
2-Hexanone	20.0	14.7		ug/L		74	51 - 130
Methylene Chloride	10.0	9.61		ug/L		96	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	15.5		ug/L		78	56 - 142
Styrene	10.0	9.40		ug/L		94	68 - 133
1,1,2,2-Tetrachloroethane	10.0	8.66		ug/L		87	68 - 134
Tetrachloroethene	10.0	10.4		ug/L		104	61 - 142
Toluene	10.0	10.2		ug/L		102	67 - 130
1,1,1-Trichloroethane	10.0	10.8		ug/L		108	65 - 142
1,1,2-Trichloroethane	10.0	9.03		ug/L		90	68 - 130
Trichloroethene	10.0	10.8		ug/L		108	68 - 130
Vinyl acetate	10.0	6.66		ug/L		67	58 - 175
Vinyl chloride	10.0	6.86		ug/L		69	47 - 146
o-Xylene	10.0	10.4		ug/L		104	68 - 134
m-Xylene & p-Xylene	20.0	21.0		ug/L		105	67 - 132
Xylenes, Total	30.0	31.4		ug/L		105	68 - 132
cis-1,2-Dichloroethene	10.0	8.61		ug/L		86	69 - 129
Bromodichloromethane	10.0	8.82		ug/L		88	73 - 130
1,2-Dichloroethene, Total	20.0	17.5		ug/L		88	65 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*125*		*70 - 130*
Dibromofluoromethane	*121*		*62 - 130*
4-Bromofluorobenzene	*109*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*117*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 600-84418/4
Matrix: Water
Analysis Batch: 84418

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			07/21/12 12:00	1
Benzene	0.080	U	1.0	0.080	ug/L			07/21/12 12:00	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			07/21/12 12:00	1
Bromoform	0.19	U	1.0	0.19	ug/L			07/21/12 12:00	1
Bromomethane	0.25	U	2.0	0.25	ug/L			07/21/12 12:00	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			07/21/12 12:00	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			07/21/12 12:00	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			07/21/12 12:00	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			07/21/12 12:00	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			07/21/12 12:00	1
Chloroethane	0.080	U	2.0	0.080	ug/L			07/21/12 12:00	1
Chloroform	0.368	J	1.0	0.13	ug/L			07/21/12 12:00	1
Chloromethane	0.18	U	2.0	0.18	ug/L			07/21/12 12:00	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			07/21/12 12:00	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			07/21/12 12:00	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			07/21/12 12:00	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			07/21/12 12:00	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			07/21/12 12:00	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			07/21/12 12:00	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			07/21/12 12:00	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			07/21/12 12:00	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			07/21/12 12:00	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			07/21/12 12:00	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			07/21/12 12:00	1
Styrene	0.070	U	1.0	0.070	ug/L			07/21/12 12:00	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			07/21/12 12:00	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			07/21/12 12:00	1
Toluene	0.15	U	1.0	0.15	ug/L			07/21/12 12:00	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			07/21/12 12:00	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			07/21/12 12:00	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			07/21/12 12:00	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			07/21/12 12:00	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			07/21/12 12:00	1
o-Xylene	0.12	U	1.0	0.12	ug/L			07/21/12 12:00	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			07/21/12 12:00	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			07/21/12 12:00	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			07/21/12 12:00	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			07/21/12 12:00	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			07/21/12 12:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*117*		*70 - 130*		*07/21/12 12:00*	*1*
Dibromofluoromethane	*118*		*62 - 130*		*07/21/12 12:00*	*1*
4-Bromofluorobenzene	*104*		*67 - 139*		*07/21/12 12:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*50 - 134*		*07/21/12 12:00*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-84418/3
Matrix: Water
Analysis Batch: 84418

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	20.1		ug/L		100	28 - 152
Benzene	10.0	10.7		ug/L		107	69 - 131
Chlorobromomethane	10.0	8.37		ug/L		84	60 - 141
Bromoform	10.0	8.88		ug/L		89	39 - 149
Bromomethane	10.0	5.27		ug/L		53	52 - 146
2-Butanone (MEK)	20.0	12.3		ug/L		61	59 - 133
Carbon disulfide	10.0	11.6		ug/L		116	32 - 177
Carbon tetrachloride	10.0	12.3		ug/L		123	59 - 147
Dibromochloromethane	10.0	8.51		ug/L		85	58 - 132
Chlorobenzene	10.0	10.0		ug/L		100	60 - 136
Chloroethane	10.0	10.3		ug/L		103	56 - 144
Chloroform	10.0	11.3		ug/L		113	69 - 128
Chloromethane	10.0	12.3		ug/L		123	32 - 151
1,1-Dichloroethane	10.0	10.9		ug/L		109	66 - 126
1,2-Dichloroethane	10.0	11.4		ug/L		114	66 - 140
1,1-Dichloroethene	10.0	10.6		ug/L		106	59 - 145
trans-1,2-Dichloroethene	10.0	10.1		ug/L		101	70 - 132
1,2-Dichloropropane	10.0	10.4		ug/L		104	72 - 125
cis-1,3-Dichloropropene	10.0	8.84		ug/L		88	60 - 135
trans-1,3-Dichloropropene	10.0	8.44		ug/L		84	63 - 133
Ethylbenzene	10.0	9.90		ug/L		99	68 - 128
2-Hexanone	20.0	14.4		ug/L		72	51 - 130
Methylene Chloride	10.0	11.5		ug/L		115	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	15.2		ug/L		76	56 - 142
Styrene	10.0	10.1		ug/L		101	68 - 133
1,1,2,2-Tetrachloroethane	10.0	8.54		ug/L		85	68 - 134
Tetrachloroethene	10.0	11.2		ug/L		112	61 - 142
Toluene	10.0	10.4		ug/L		104	67 - 130
1,1,1-Trichloroethane	10.0	12.1		ug/L		121	65 - 142
1,1,2-Trichloroethane	10.0	8.95		ug/L		89	68 - 130
Trichloroethene	10.0	11.5		ug/L		115	68 - 130
Vinyl acetate	10.0	6.16		ug/L		62	58 - 175
Vinyl chloride	10.0	7.76		ug/L		78	47 - 146
o-Xylene	10.0	10.5		ug/L		105	68 - 134
m-Xylene & p-Xylene	20.0	21.9		ug/L		109	67 - 132
Xylenes, Total	30.0	32.4		ug/L		108	68 - 132
cis-1,2-Dichloroethene	10.0	10.1		ug/L		101	69 - 129
Bromodichloromethane	10.0	9.16		ug/L		92	73 - 130
1,2-Dichloroethene, Total	20.0	20.2		ug/L		101	65 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*116*		*70 - 130*
Dibromofluoromethane	*120*		*62 - 130*
4-Bromofluorobenzene	*110*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*119*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 600-84539/4
Matrix: Water
Analysis Batch: 84539

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			07/23/12 10:40	1
Benzene	0.080	U	1.0	0.080	ug/L			07/23/12 10:40	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			07/23/12 10:40	1
Bromoform	0.19	U	1.0	0.19	ug/L			07/23/12 10:40	1
Bromomethane	0.25	U	2.0	0.25	ug/L			07/23/12 10:40	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			07/23/12 10:40	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			07/23/12 10:40	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			07/23/12 10:40	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			07/23/12 10:40	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			07/23/12 10:40	1
Chloroethane	0.080	U	2.0	0.080	ug/L			07/23/12 10:40	1
Chloroform	0.13	U	1.0	0.13	ug/L			07/23/12 10:40	1
Chloromethane	0.18	U	2.0	0.18	ug/L			07/23/12 10:40	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			07/23/12 10:40	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			07/23/12 10:40	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			07/23/12 10:40	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			07/23/12 10:40	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			07/23/12 10:40	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			07/23/12 10:40	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			07/23/12 10:40	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			07/23/12 10:40	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			07/23/12 10:40	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			07/23/12 10:40	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			07/23/12 10:40	1
Styrene	0.070	U	1.0	0.070	ug/L			07/23/12 10:40	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			07/23/12 10:40	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			07/23/12 10:40	1
Toluene	0.15	U	1.0	0.15	ug/L			07/23/12 10:40	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			07/23/12 10:40	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			07/23/12 10:40	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			07/23/12 10:40	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			07/23/12 10:40	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			07/23/12 10:40	1
o-Xylene	0.12	U	1.0	0.12	ug/L			07/23/12 10:40	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			07/23/12 10:40	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			07/23/12 10:40	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			07/23/12 10:40	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			07/23/12 10:40	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			07/23/12 10:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*117*		*70 - 130*		*07/23/12 10:40*	*1*
Dibromofluoromethane	*129*		*62 - 130*		*07/23/12 10:40*	*1*
4-Bromofluorobenzene	*110*		*67 - 139*		*07/23/12 10:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*115*		*50 - 134*		*07/23/12 10:40*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-84539/3
Matrix: Water
Analysis Batch: 84539

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	13.3		ug/L		67	28 - 152
Benzene	10.0	10.2		ug/L		102	69 - 131
Chlorobromomethane	10.0	7.55		ug/L		75	60 - 141
Bromoform	10.0	8.35		ug/L		83	39 - 149
Bromomethane	10.0	4.72	*	ug/L		47	52 - 146
2-Butanone (MEK)	20.0	15.4		ug/L		77	59 - 133
Carbon disulfide	10.0	10.7		ug/L		107	32 - 177
Carbon tetrachloride	10.0	12.1		ug/L		121	59 - 147
Dibromochloromethane	10.0	8.48		ug/L		85	58 - 132
Chlorobenzene	10.0	10.2		ug/L		102	60 - 136
Chloroethane	10.0	9.29		ug/L		93	56 - 144
Chloroform	10.0	10.5		ug/L		105	69 - 128
Chloromethane	10.0	7.03		ug/L		70	32 - 151
1,1-Dichloroethane	10.0	10.2		ug/L		102	66 - 126
1,2-Dichloroethane	10.0	11.0		ug/L		110	66 - 140
1,1-Dichloroethene	10.0	9.73		ug/L		97	59 - 145
trans-1,2-Dichloroethene	10.0	9.17		ug/L		92	70 - 132
1,2-Dichloropropane	10.0	9.92		ug/L		99	72 - 125
cis-1,3-Dichloropropene	10.0	8.15		ug/L		81	60 - 135
trans-1,3-Dichloropropene	10.0	8.20		ug/L		82	63 - 133
Ethylbenzene	10.0	9.90		ug/L		99	68 - 128
2-Hexanone	20.0	10.7		ug/L		53	51 - 130
Methylene Chloride	10.0	8.72		ug/L		87	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	13.2		ug/L		66	56 - 142
Styrene	10.0	9.65		ug/L		96	68 - 133
1,1,2,2-Tetrachloroethane	10.0	8.36		ug/L		84	68 - 134
Tetrachloroethene	10.0	11.0		ug/L		110	61 - 142
Toluene	10.0	9.61		ug/L		96	67 - 130
1,1,1-Trichloroethane	10.0	11.6		ug/L		116	65 - 142
1,1,2-Trichloroethane	10.0	8.62		ug/L		86	68 - 130
Trichloroethene	10.0	11.2		ug/L		112	68 - 130
Vinyl acetate	10.0	6.39		ug/L		64	58 - 175
Vinyl chloride	10.0	6.18		ug/L		62	47 - 146
o-Xylene	10.0	10.2		ug/L		102	68 - 134
m-Xylene & p-Xylene	20.0	21.3		ug/L		107	67 - 132
Xylenes, Total	30.0	31.5		ug/L		105	68 - 132
cis-1,2-Dichloroethene	10.0	8.65		ug/L		87	69 - 129
Bromodichloromethane	10.0	9.07		ug/L		91	73 - 130
1,2-Dichloroethene, Total	20.0	17.8		ug/L		89	65 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*113*		*70 - 130*
Dibromofluoromethane	*110*		*62 - 130*
4-Bromofluorobenzene	*101*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*110*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 600-57972-2 MS
Matrix: Water
Analysis Batch: 84539

Client Sample ID: MW-65-SS-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	9900		200000	842000	F	ug/L		421	60 - 140
Benzene	2900		100000	106000		ug/L		103	65 - 125
Chlorobromomethane	1800		100000	83300		ug/L		83	60 - 140
Bromoform	1900		100000	62800		ug/L		63	60 - 140
Bromomethane	2500		100000	32100	F	ug/L		32	60 - 140
2-Butanone (MEK)	7600		200000	710000	F	ug/L		355	60 - 140
Carbon disulfide	6600		100000	139000		ug/L		133	60 - 140
Carbon tetrachloride	1500		100000	91700		ug/L		92	60 - 140
Dibromochloromethane	1500		100000	74000		ug/L		74	60 - 140
Chlorobenzene	1200		100000	103000		ug/L		103	72 - 122
Chloroethane	800		100000	2300000	E F	ug/L		2298	60 - 140
Chloroform	1700		100000	101000		ug/L		99	60 - 140
Chloromethane	1800		100000	114000		ug/L		114	60 - 140
1,1-Dichloroethane	2600		100000	115000		ug/L		113	60 - 140
1,2-Dichloroethane	1400		100000	111000		ug/L		111	60 - 140
1,1-Dichloroethene	1900		100000	98600		ug/L		99	22 - 143
trans-1,2-Dichloroethene	3900		100000	96800		ug/L		93	60 - 140
1,2-Dichloropropane	1600		100000	97900		ug/L		98	60 - 140
cis-1,3-Dichloropropene	1800		100000	76200		ug/L		76	60 - 140
trans-1,3-Dichloropropene	2100		100000	64800		ug/L		65	60 - 140
Ethylbenzene	1600		100000	97300		ug/L		96	60 - 140
2-Hexanone	3500		200000	147000		ug/L		73	60 - 140
Methylene Chloride	12000		100000	95400		ug/L		83	60 - 140
4-Methyl-2-pentanone (MIBK)	4500		200000	164000		ug/L		82	60 - 140
Styrene	700		100000	99700		ug/L		100	60 - 140
1,1,2,2-Tetrachloroethane	2200		100000	80800		ug/L		81	60 - 140
Tetrachloroethene	1300		100000	106000		ug/L		106	60 - 140
Toluene	1500		100000	97100		ug/L		97	76 - 125
1,1,1-Trichloroethane	1500		100000	114000		ug/L		114	60 - 140
1,1,2-Trichloroethane	2800		100000	86000		ug/L		86	60 - 140
Trichloroethene	1800		100000	120000	F	ug/L		120	56 - 118
Vinyl acetate	2100		100000	99700		ug/L		100	60 - 140
Vinyl chloride	190000		100000	257000		ug/L		69	60 - 140
o-Xylene	1200		100000	103000		ug/L		103	60 - 140
m-Xylene & p-Xylene	1700		200000	213000		ug/L		106	60 - 140
Xylenes, Total	2600		300000	316000		ug/L		105	60 - 140
cis-1,2-Dichloroethene	600		100000	87600		ug/L		88	60 - 140
Bromodichloromethane	1600		100000	84800		ug/L		85	60 - 140
1,2-Dichloroethene, Total	3900		200000	184000		ug/L		90	60 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*108*		*70 - 130*
Dibromofluoromethane	*108*		*62 - 130*
4-Bromofluorobenzene	*107*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*106*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Lab Sample ID: 600-57972-2 MSD
Matrix: Water
Analysis Batch: 84539

Client Sample ID: MW-65-SS-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone - DL	9900		200000	228000	F	ug/L		114	60 - 140	115	30
Benzene - DL	2900		100000	105000		ug/L		102	65 - 125	1	30
Chlorobromomethane - DL	1800		100000	80500		ug/L		81	60 - 140	3	30
Bromoform - DL	1900		100000	72100		ug/L		72	60 - 140	14	30
Bromomethane - DL	2500		100000	36100	F	ug/L		36	60 - 140	12	30
2-Butanone (MEK) - DL	7600		200000	174000	F	ug/L		87	60 - 140	121	30
Carbon disulfide - DL	6600		100000	136000		ug/L		129	60 - 140	2	30
Carbon tetrachloride - DL	1500		100000	95300		ug/L		95	60 - 140	4	30
Dibromochloromethane - DL	1500		100000	78700		ug/L		79	60 - 140	6	30
Chlorobenzene - DL	1200		100000	103000		ug/L		103	72 - 122	0	30
Chloroethane - DL	800		100000	1770000	E F	ug/L		1768	60 - 140	26	30
Chloroform - DL	1700		100000	100000		ug/L		99	60 - 140	1	30
Chloromethane - DL	1800		100000	98400		ug/L		98	60 - 140	14	30
1,1-Dichloroethane - DL	2600		100000	115000		ug/L		112	60 - 140	0	30
1,2-Dichloroethane - DL	1400		100000	116000		ug/L		116	60 - 140	5	30
1,1-Dichloroethene - DL	1900		100000	102000		ug/L		102	22 - 143	3	30
trans-1,2-Dichloroethene - DL	3900		100000	97800		ug/L		94	60 - 140	1	30
1,2-Dichloropropane - DL	1600		100000	100000		ug/L		100	60 - 140	2	30
cis-1,3-Dichloropropene - DL	1800		100000	77000		ug/L		77	60 - 140	1	30
trans-1,3-Dichloropropene - DL	2100		100000	71400		ug/L		71	60 - 140	10	30
Ethylbenzene - DL	1600		100000	99400		ug/L		98	60 - 140	2	30
2-Hexanone - DL	3500		200000	141000		ug/L		70	60 - 140	4	30
Methylene Chloride - DL	12000		100000	101000		ug/L		89	60 - 140	6	30
4-Methyl-2-pentanone (MIBK) - DL	4500		200000	152000		ug/L		76	60 - 140	7	30
Styrene - DL	700		100000	98000		ug/L		98	60 - 140	2	30
1,1,2,2-Tetrachloroethane - DL	2200		100000	83700		ug/L		84	60 - 140	4	30
Tetrachloroethene - DL	1300		100000	107000		ug/L		107	60 - 140	1	30
Toluene - DL	1500		100000	96700		ug/L		97	76 - 125	0	30
1,1,1-Trichloroethane - DL	1500		100000	115000		ug/L		115	60 - 140	0	30
1,1,2-Trichloroethane - DL	2800		100000	87100		ug/L		87	60 - 140	1	30
Trichloroethene - DL	1800		100000	126000	F	ug/L		126	56 - 118	5	30
Vinyl acetate - DL	2100		100000	100000		ug/L		100	60 - 140	1	30
Vinyl chloride - DL	190000		100000	263000		ug/L		75	60 - 140	2	30
o-Xylene - DL	1200		100000	105000		ug/L		105	60 - 140	2	30
m-Xylene & p-Xylene - DL	1700		200000	214000		ug/L		107	60 - 140	1	30
Xylenes, Total - DL	2600		300000	319000		ug/L		106	60 - 140	1	30
cis-1,2-Dichloroethene - DL	600		100000	91800		ug/L		92	60 - 140	5	30
Bromodichloromethane - DL	1600		100000	89000		ug/L		89	60 - 140	5	30
1,2-Dichloroethene, Total - DL	3900		200000	190000		ug/L		93	60 - 140	3	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr) - DL	*114*		*70 - 130*
Dibromofluoromethane - DL	*114*		*62 - 130*
4-Bromofluorobenzene - DL	*103*		*67 - 139*
1,2-Dichloroethane-d4 (Surr) - DL	*112*		*50 - 134*

QC Association Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-57972-1

GC/MS VOA

Analysis Batch: 84344

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-57972-1	MW-71-SS-3	Total/NA	Water	8260B	
600-57972-2	MW-65-SS-3	Total/NA	Water	8260B	
600-57972-3	MW-8-SS-3	Total/NA	Water	8260B	
600-57972-4	MW-11-SS-3	Total/NA	Water	8260B	
600-57972-6	MW-68-SS-3	Total/NA	Water	8260B	
600-57972-7	MW-66-SS-3	Total/NA	Water	8260B	
600-57972-8	MW-4-SS-3	Total/NA	Water	8260B	
LCS 600-84344/3	Lab Control Sample	Total/NA	Water	8260B	
MB 600-84344/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 84418

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-57972-1 - DL	MW-71-SS-3	Total/NA	Water	8260B	
600-57972-2 - DL	MW-65-SS-3	Total/NA	Water	8260B	
600-57972-3 - DL	MW-8-SS-3	Total/NA	Water	8260B	
600-57972-4 - DL	MW-11-SS-3	Total/NA	Water	8260B	
600-57972-5	MW-40-SS-3	Total/NA	Water	8260B	
600-57972-5 - DL	MW-40-SS-3	Total/NA	Water	8260B	
600-57972-6 - DL	MW-68-SS-3	Total/NA	Water	8260B	
600-57972-7 - DL	MW-66-SS-3	Total/NA	Water	8260B	
600-57972-7 - DL2	MW-66-SS-3	Total/NA	Water	8260B	
600-57972-8 - DL	MW-4-SS-3	Total/NA	Water	8260B	
600-57972-8 - DL2	MW-4-SS-3	Total/NA	Water	8260B	
LCS 600-84418/3	Lab Control Sample	Total/NA	Water	8260B	
MB 600-84418/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 84539

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-57972-2 - DL	MW-65-SS-3	Total/NA	Water	8260B	
600-57972-2 MS	MW-65-SS-3	Total/NA	Water	8260B	
600-57972-2 MSD - DL	MW-65-SS-3	Total/NA	Water	8260B	
600-57972-4 - DL	MW-11-SS-3	Total/NA	Water	8260B	
600-57972-8 - DL	MW-4-SS-3	Total/NA	Water	8260B	
LCS 600-84539/3	Lab Control Sample	Total/NA	Water	8260B	
MB 600-84539/4	Method Blank	Total/NA	Water	8260B	

Lab Chronicle

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-57972-1

Client Sample ID: MW-71-SS-3 — Lab Sample ID: 600-57972-1

Date Collected: 07/12/12 08:20 — **Matrix: Water**
Date Received: 07/12/12 14:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		50	84344	07/20/12 20:55	DT	TAL HOU
Total/NA	Analysis	8260B	DL	200	84418	07/21/12 17:29	DT	TAL HOU

Client Sample ID: MW-65-SS-3 — Lab Sample ID: 600-57972-2

Date Collected: 07/12/12 08:35 — **Matrix: Water**
Date Received: 07/12/12 14:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		50	84344	07/20/12 21:23	DT	TAL HOU
Total/NA	Analysis	8260B	DL	200	84418	07/21/12 13:50	DT	TAL HOU
Total/NA	Analysis	8260B	DL	10000	84539	07/23/12 13:02	DT	TAL HOU

Client Sample ID: MW-8-SS-3 — Lab Sample ID: 600-57972-3

Date Collected: 07/12/12 08:55 — **Matrix: Water**
Date Received: 07/12/12 14:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		50	84344	07/20/12 21:50	DT	TAL HOU
Total/NA	Analysis	8260B	DL	200	84418	07/21/12 17:56	DT	TAL HOU

Client Sample ID: MW-11-SS-3 — Lab Sample ID: 600-57972-4

Date Collected: 07/12/12 09:05 — **Matrix: Water**
Date Received: 07/12/12 14:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		50	84344	07/20/12 22:17	DT	TAL HOU
Total/NA	Analysis	8260B	DL	1000	84418	07/21/12 18:23	DT	TAL HOU
Total/NA	Analysis	8260B	DL	5000	84539	07/23/12 13:30	DT	TAL HOU

Client Sample ID: MW-40-SS-3 — Lab Sample ID: 600-57972-5

Date Collected: 07/12/12 09:15 — **Matrix: Water**
Date Received: 07/12/12 14:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	84418	07/21/12 14:44	DT	TAL HOU
Total/NA	Analysis	8260B	DL	200	84418	07/21/12 15:12	DT	TAL HOU

Lab Chronicle

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-57972-1

Client Sample ID: MW-68-SS-3

Lab Sample ID: 600-57972-6

Date Collected: 07/12/12 09:25
Date Received: 07/12/12 14:14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		50	84344	07/20/12 23:12	DT	TAL HOU
Total/NA	Analysis	8260B	DL	1000	84418	07/21/12 18:51	DT	TAL HOU

Client Sample ID: MW-66-SS-3

Lab Sample ID: 600-57972-7

Date Collected: 07/12/12 09:35
Date Received: 07/12/12 14:14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		50	84344	07/20/12 23:39	DT	TAL HOU
Total/NA	Analysis	8260B	DL	500	84418	07/21/12 15:39	DT	TAL HOU
Total/NA	Analysis	8260B	DL2	5000	84418	07/21/12 16:07	DT	TAL HOU

Client Sample ID: MW-4-SS-3

Lab Sample ID: 600-57972-8

Date Collected: 07/12/12 09:45
Date Received: 07/12/12 14:14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		50	84344	07/21/12 00:07	DT	TAL HOU
Total/NA	Analysis	8260B	DL	500	84418	07/21/12 16:34	DT	TAL HOU
Total/NA	Analysis	8260B	DL2	5000	84418	07/21/12 17:01	DT	TAL HOU
Total/NA	Analysis	8260B	DL	20000	84539	07/23/12 13:57	DT	TAL HOU

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Certification Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-57972-1

Laboratory: TestAmerica Houston

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0759	08-04-12
Louisiana	NELAC Secondary AB	6	01967	06-30-13
Oklahoma	State Program	6	9503	08-31-12
Texas	NELAC	6	T104704223-10-6-TX	10-31-12
USDA	Federal		P330-08-00217	04-01-14
Utah	NELAC	8	GULF	10-31-12

Method Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-57972-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL HOU

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Sample Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-57972-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
600-57972-1	MW-71-SS-3	Water	07/12/12 08:20	07/12/12 14:14
600-57972-2	MW-65-SS-3	Water	07/12/12 08:35	07/12/12 14:14
600-57972-3	MW-8-SS-3	Water	07/12/12 08:55	07/12/12 14:14
600-57972-4	MW-11-SS-3	Water	07/12/12 09:05	07/12/12 14:14
600-57972-5	MW-40-SS-3	Water	07/12/12 09:15	07/12/12 14:14
600-57972-6	MW-68-SS-3	Water	07/12/12 09:25	07/12/12 14:14
600-57972-7	MW-66-SS-3	Water	07/12/12 09:35	07/12/12 14:14
600-57972-8	MW-4-SS-3	Water	07/12/12 09:45	07/12/12 14:14

TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Phone (713) 690-4444 Fax (713) 690-5646

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: KEH	Lab PM: Kudchadkar, Sachin G	Carrier Tracking No(s):	COC No: 600-11558-5028.1
Client Contact: Ms. Kate Hamel	Phone: 713-522-6300	E-Mail: sachin.kudchadkar@testamericainc.com		Page: Page 1 of 1
Company: Groundwater Services, Inc.				Job #: 3460
Address: 2211 Norfolk, Suite 1000	Due Date Requested:			
City: Houston	TAT Requested (days): STANDARD			
State, Zip: TX, 77098-4044				
Phone: 713-522-6300(Tel)	PO #: Purchase Order not requir			
Email: kchamel@gsi-net.com, tem@gsi-net.com	WO #:			
Project Name: G-3460	Project #: 60002425			
Site: N-80	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B_LL - Target Compound List	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
MW-71-SS-3	12JUL12	820	G	Water			✓		
MW-65-SS-3		835		Water			✓		
MW-8-SS-3		855		Water			✓		LOW VOL. SAMPLE
MW-11-SS-3		905		Water			✓		
MW-46-SS-3		915		Water			✓		
MW-68-SS-3		925		Water			✓		
MW-66-SS-3		935		Water			✓		
MW-4-SS-3		945		Water			✓		
TRIP BLANK		—		Water			✓		
				Water					

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify) STANDARD

Special Instructions/QC Requirements: STANDARD QA/QC

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: KATE HAMEL	Date/Time: 12JUL12 1200	Company: GSI	Received by: [signature]	Date/Time: 12JUL12	Company: GSI
Relinquished by: [signature]	Date/Time: 12 JUL 12 1414	Company	Received by: [signature]	Date/Time: 12JUL 1414	Company: TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No

Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Login Sample Receipt Checklist

Client: Groundwater Services, Inc.

Job Number: 600-57972-1

Login Number: 57972

List Source: TestAmerica Houston

List Number: 1

Creator: Trenery, Michael J

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Tel: (713)690-4444

TestAmerica Job ID: 600-56881-1
Client Project/Site: G-3460 N-80

For:
Groundwater Services, Inc.
2211 Norfolk, Suite 1000
Houston, Texas 77098-4044

Attn: Ms. Kate Hamel

Lori Parsons

Authorized for release by:
6/27/2012 6:35:36 PM
Lori Parsons
Project Manager I
lori.parsons@testamericainc.com

Designee for

Sachin Kudchadkar
Project Manager II
sachin.kudchadkar@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-56881-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 600-56881-1

Laboratory: TestAmerica Houston

Narrative

Job Narrative
600-56881-1

Comments
No additional comments.

Receipt
The samples were received on 6/21/2012 3:31 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.1º C.

GC/MS VOA

Method(s) 8260B: The following sample(s) was diluted due to the abundance of target analytes: MW-40-NP-3 (600-56881-4). Elevated reporting limits (RLs) are provided.
Method(s) 8260B: The following sample(s) was diluted due to the nature of the sample matrix: MW-11-NP-3 (600-56881-5), MW-65-NP-3 (600-56881-3), MW-71-NP-3 (600-56881-1). Elevated reporting limits (RLs) are provided.
Method(s) 8260B: The following sample(s) was diluted due to the abundance of target analytes: MW-4-NP-3 (600-56881-8), MW-66-NP-3 (600-56881-7), MW-68-NP-3 (600-56881-6), MW-8-NP-3 (600-56881-2), MW-DUP-NP-3 (600-56881-9). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) performed on smaple MW-11-NP-3 (56881-5) exhibited percent recoveries outside the control limits for bromoform and chloromethane. The MS?MSD performed on smaple MW-71-NP-1 (56881-1) exhibited a percent recovery in the MS below the control limits for vinyl chloride. The MS/MSD performed on sample MW-65-NP-3 (56881-3) exhibited percent recoveries below the control limits for bromomethane, carbon disulfide, chloromethane, and vinyl chloride and an RPD value above the control limits for bromomethane. The acceptable LCS analyses data indicated the analytical system was within control.

Method(s) 8260B: The continuing calibration verification (CCV) for bromomethane associated with batch 82389 recovered above the upper control limit and chloromethane on the lower control limit but it was within 50% acceptance limits. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method(s) 8260B: The continuing calibration verification (CCV) for bromomethane associated with batch 82245 recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No other analytical or quality issues were noted.

Detection Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-56881-1

Client Sample ID: MW-71-NP-3 — Lab Sample ID: 600-56881-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	2400		1000	200	ug/L	200		8260B	Total/NA
Benzene	3300		200	16	ug/L	200		8260B	Total/NA
Chlorobenzene	120	J	200	24	ug/L	200		8260B	Total/NA
1,1-Dichloroethane	1100		200	22	ug/L	200		8260B	Total/NA
1,1-Dichloroethene	52	J	200	38	ug/L	200		8260B	Total/NA
Ethylbenzene	390		200	22	ug/L	200		8260B	Total/NA
Toluene	96	J	200	30	ug/L	200		8260B	Total/NA
1,1,2-Trichloroethane	380		200	56	ug/L	200		8260B	Total/NA
Trichloroethene	49	J	200	36	ug/L	200		8260B	Total/NA
cis-1,2-Dichloroethene	74	J	200	12	ug/L	200		8260B	Total/NA
1,2-Dichloroethene, Total	74	J	200	60	ug/L	200		8260B	Total/NA
Vinyl chloride - DL	22000		2000	110	ug/L	1000		8260B	Total/NA

Client Sample ID: MW-8-NP-3 — Lab Sample ID: 600-56881-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	720		20	1.6	ug/L	20		8260B	Total/NA
Chlorobenzene	120		20	2.4	ug/L	20		8260B	Total/NA
1,1-Dichloroethane	350		20	2.2	ug/L	20		8260B	Total/NA
1,2-Dichloroethane	93		20	2.8	ug/L	20		8260B	Total/NA
1,1-Dichloroethene	130		20	3.8	ug/L	20		8260B	Total/NA
trans-1,2-Dichloroethene	230		20	1.8	ug/L	20		8260B	Total/NA
Ethylbenzene	310		20	2.2	ug/L	20		8260B	Total/NA
Methylene Chloride	10	J	100	3.0	ug/L	20		8260B	Total/NA
Styrene	1.8	J	20	1.4	ug/L	20		8260B	Total/NA
Toluene	75		20	3.0	ug/L	20		8260B	Total/NA
Trichloroethene	24		20	3.6	ug/L	20		8260B	Total/NA
o-Xylene	7.7	J	20	2.4	ug/L	20		8260B	Total/NA
m-Xylene & p-Xylene	9.0	J	20	3.4	ug/L	20		8260B	Total/NA
Xylenes, Total	17	J	20	5.2	ug/L	20		8260B	Total/NA
cis-1,2-Dichloroethene	55		20	1.2	ug/L	20		8260B	Total/NA
1,2-Dichloroethene, Total	290		20	6.0	ug/L	20		8260B	Total/NA
Vinyl chloride - DL	4500		400	22	ug/L	200		8260B	Total/NA

Client Sample ID: MW-65-NP-3 — Lab Sample ID: 600-56881-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1600		200	16	ug/L	200		8260B	Total/NA
Chlorobenzene	290		200	24	ug/L	200		8260B	Total/NA
1,1-Dichloroethane	2000		200	22	ug/L	200		8260B	Total/NA
1,1-Dichloroethene	120	J	200	38	ug/L	200		8260B	Total/NA
trans-1,2-Dichloroethene	1300		200	18	ug/L	200		8260B	Total/NA
Ethylbenzene	140	J	200	22	ug/L	200		8260B	Total/NA
Toluene	73	J	200	30	ug/L	200		8260B	Total/NA
cis-1,2-Dichloroethene	49	J	200	12	ug/L	200		8260B	Total/NA
1,2-Dichloroethene, Total	1300		200	60	ug/L	200		8260B	Total/NA
Vinyl chloride - DL	110000		20000	1100	ug/L	10000		8260B	Total/NA

Client Sample ID: MW-40-NP-3 — Lab Sample ID: 600-56881-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	89		5.0	0.40	ug/L	5		8260B	Total/NA
1,2-Dichloroethane	6.5		5.0	0.70	ug/L	5		8260B	Total/NA

Client Sample ID: MW-40-NP-3 (Continued) — Lab Sample ID: 600-56881-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	1.4	J	5.0	0.95	ug/L	5		8260B	Total/NA
trans-1,2-Dichloroethene	9.8		5.0	0.45	ug/L	5		8260B	Total/NA
Ethylbenzene	86		5.0	0.55	ug/L	5		8260B	Total/NA
Toluene	19		5.0	0.75	ug/L	5		8260B	Total/NA
Trichloroethene	2.0	J	5.0	0.90	ug/L	5		8260B	Total/NA
o-Xylene	0.76	J	5.0	0.60	ug/L	5		8260B	Total/NA
m-Xylene & p-Xylene	2.5	J	5.0	0.85	ug/L	5		8260B	Total/NA
Xylenes, Total	3.3	J	5.0	1.3	ug/L	5		8260B	Total/NA
cis-1,2-Dichloroethene	4.4	J	5.0	0.30	ug/L	5		8260B	Total/NA
1,2-Dichloroethene, Total	14		5.0	1.5	ug/L	5		8260B	Total/NA
Chlorobenzene - DL	280		50	6.0	ug/L	50		8260B	Total/NA
1,1-Dichloroethane - DL	410		50	5.5	ug/L	50		8260B	Total/NA
Vinyl chloride - DL	1500		400	22	ug/L	200		8260B	Total/NA

Client Sample ID: MW-11-NP-3 — Lab Sample ID: 600-56881-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	130	J	200	16	ug/L	200		8260B	Total/NA
Chlorobenzene	290		200	24	ug/L	200		8260B	Total/NA
1,1-Dichloroethane	1200		200	22	ug/L	200		8260B	Total/NA
1,2-Dichloroethane	2600		200	28	ug/L	200		8260B	Total/NA
1,1-Dichloroethene	380		200	38	ug/L	200		8260B	Total/NA
trans-1,2-Dichloroethene	1800		200	18	ug/L	200		8260B	Total/NA
Trichloroethene	620		200	36	ug/L	200		8260B	Total/NA
cis-1,2-Dichloroethene	3200		200	12	ug/L	200		8260B	Total/NA
1,2-Dichloroethene, Total	5000		200	60	ug/L	200		8260B	Total/NA
Vinyl chloride - DL	17000		2000	110	ug/L	1000		8260B	Total/NA

Client Sample ID: MW-68-NP-3 — Lab Sample ID: 600-56881-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	110		20	1.6	ug/L	20		8260B	Total/NA
Chlorobenzene	35		20	2.4	ug/L	20		8260B	Total/NA
1,1-Dichloroethane	130		20	2.2	ug/L	20		8260B	Total/NA
1,1-Dichloroethene	4.1	J	20	3.8	ug/L	20		8260B	Total/NA
trans-1,2-Dichloroethene	260		20	1.8	ug/L	20		8260B	Total/NA
Ethylbenzene	180		20	2.2	ug/L	20		8260B	Total/NA
Methylene Chloride	7.9	J	100	3.0	ug/L	20		8260B	Total/NA
Toluene	36		20	3.0	ug/L	20		8260B	Total/NA
cis-1,2-Dichloroethene	17	J	20	1.2	ug/L	20		8260B	Total/NA
1,2-Dichloroethene, Total	280		20	6.0	ug/L	20		8260B	Total/NA
Vinyl chloride - DL	8100		1000	55	ug/L	500		8260B	Total/NA

Client Sample ID: MW-66-NP-3 — Lab Sample ID: 600-56881-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1300		1000	200	ug/L	200		8260B	Total/NA
Benzene	5600		200	16	ug/L	200		8260B	Total/NA
Chlorobenzene	1500		200	24	ug/L	200		8260B	Total/NA
Chloroform	43	J	200	26	ug/L	200		8260B	Total/NA
1,1-Dichloroethane	2200		200	22	ug/L	200		8260B	Total/NA
1,1-Dichloroethene	1300		200	38	ug/L	200		8260B	Total/NA
trans-1,2-Dichloroethene	1300		200	18	ug/L	200		8260B	Total/NA

Detection Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-56881-1

Client Sample ID: MW-66-NP-3 (Continued) — Lab Sample ID: 600-56881-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	2800		200	22	ug/L	200		8260B	Total/NA
Methylene Chloride	210	J	1000	30	ug/L	200		8260B	Total/NA
Styrene	1300		200	14	ug/L	200		8260B	Total/NA
Tetrachloroethene	92	J	200	26	ug/L	200		8260B	Total/NA
Toluene	2200		200	30	ug/L	200		8260B	Total/NA
Trichloroethene	820		200	36	ug/L	200		8260B	Total/NA
cis-1,2-Dichloroethene	670		200	12	ug/L	200		8260B	Total/NA
1,2-Dichloroethene, Total	2000		200	60	ug/L	200		8260B	Total/NA
1,2-Dichloroethane - DL	140000		10000	1400	ug/L	10000		8260B	Total/NA
1,1,2-Trichloroethane - DL	100000		10000	2800	ug/L	10000		8260B	Total/NA
Vinyl chloride - DL	55000		20000	1100	ug/L	10000		8260B	Total/NA

Client Sample ID: MW-4-NP-3 — Lab Sample ID: 600-56881-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	3600		200	16	ug/L	200		8260B	Total/NA
Chlorobenzene	650		200	24	ug/L	200		8260B	Total/NA
1,1-Dichloroethane	5000		200	22	ug/L	200		8260B	Total/NA
1,1-Dichloroethene	6100		200	38	ug/L	200		8260B	Total/NA
trans-1,2-Dichloroethene	7200		200	18	ug/L	200		8260B	Total/NA
Ethylbenzene	360		200	22	ug/L	200		8260B	Total/NA
Methylene Chloride	85	J	1000	30	ug/L	200		8260B	Total/NA
Tetrachloroethene	150	J	200	26	ug/L	200		8260B	Total/NA
Toluene	150	J	200	30	ug/L	200		8260B	Total/NA
Trichloroethene	1000		200	36	ug/L	200		8260B	Total/NA
cis-1,2-Dichloroethene	4300		200	12	ug/L	200		8260B	Total/NA
1,2-Dichloroethene, Total	12000		200	60	ug/L	200		8260B	Total/NA
1,2-Dichloroethane - DL	52000		20000	2800	ug/L	20000		8260B	Total/NA
Vinyl chloride - DL	270000		40000	2200	ug/L	20000		8260B	Total/NA

Client Sample ID: MW-DUP-NP-3 — Lab Sample ID: 600-56881-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	88	J	100	8.0	ug/L	100		8260B	Total/NA
Chlorobenzene	190		100	12	ug/L	100		8260B	Total/NA
1,1-Dichloroethane	810		100	11	ug/L	100		8260B	Total/NA
1,2-Dichloroethane	3100		100	14	ug/L	100		8260B	Total/NA
1,1-Dichloroethene	390		100	19	ug/L	100		8260B	Total/NA
trans-1,2-Dichloroethene	1400		100	9.0	ug/L	100		8260B	Total/NA
Methylene Chloride	52	J	500	15	ug/L	100		8260B	Total/NA
Trichloroethene	500		100	18	ug/L	100		8260B	Total/NA
cis-1,2-Dichloroethene	2800		100	6.0	ug/L	100		8260B	Total/NA
1,2-Dichloroethene, Total	4200		100	30	ug/L	100		8260B	Total/NA
Vinyl chloride - DL	17000		2000	110	ug/L	1000		8260B	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 600-56881-10

No Detections

Client Sample Results

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-56881-1

Client Sample ID: MW-71-NP-3

Lab Sample ID: 600-56881-1

Date Collected: 06/20/12 08:30

Matrix: Water

Date Received: 06/21/12 15:31

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**2400**		1000	200	ug/L			06/24/12 21:18	200
Benzene	**3300**		200	16	ug/L			06/24/12 21:18	200
Chlorobromomethane	36	U	200	36	ug/L			06/24/12 21:18	200
Bromoform	38	U	200	38	ug/L			06/24/12 21:18	200
Bromomethane	50	U	400	50	ug/L			06/24/12 21:18	200
2-Butanone (MEK)	150	U	400	150	ug/L			06/24/12 21:18	200
Carbon disulfide	48	U	400	48	ug/L			06/24/12 21:18	200
Carbon tetrachloride	30	U	200	30	ug/L			06/24/12 21:18	200
Dibromochloromethane	30	U	200	30	ug/L			06/24/12 21:18	200
Chlorobenzene	**120**	**J**	200	24	ug/L			06/24/12 21:18	200
Chloroethane	16	U	400	16	ug/L			06/24/12 21:18	200
Chloroform	26	U	200	26	ug/L			06/24/12 21:18	200
Chloromethane	36	U	400	36	ug/L			06/24/12 21:18	200
1,1-Dichloroethane	**1100**		200	22	ug/L			06/24/12 21:18	200
1,2-Dichloroethane	28	U	200	28	ug/L			06/24/12 21:18	200
1,1-Dichloroethene	**52**	**J**	200	38	ug/L			06/24/12 21:18	200
trans-1,2-Dichloroethene	18	U	200	18	ug/L			06/24/12 21:18	200
1,2-Dichloropropane	32	U	200	32	ug/L			06/24/12 21:18	200
cis-1,3-Dichloropropene	36	U	200	36	ug/L			06/24/12 21:18	200
trans-1,3-Dichloropropene	42	U	200	42	ug/L			06/24/12 21:18	200
Ethylbenzene	**390**		200	22	ug/L			06/24/12 21:18	200
2-Hexanone	70	U	400	70	ug/L			06/24/12 21:18	200
Methylene Chloride	30	U	1000	30	ug/L			06/24/12 21:18	200
4-Methyl-2-pentanone (MIBK)	90	U	400	90	ug/L			06/24/12 21:18	200
Styrene	14	U	200	14	ug/L			06/24/12 21:18	200
1,1,2,2-Tetrachloroethane	44	U	200	44	ug/L			06/24/12 21:18	200
Tetrachloroethene	26	U	200	26	ug/L			06/24/12 21:18	200
Toluene	**96**	**J**	200	30	ug/L			06/24/12 21:18	200
1,1,1-Trichloroethane	30	U	200	30	ug/L			06/24/12 21:18	200
1,1,2-Trichloroethane	**380**		200	56	ug/L			06/24/12 21:18	200
Trichloroethene	**49**	**J**	200	36	ug/L			06/24/12 21:18	200
Vinyl acetate	42	U	400	42	ug/L			06/24/12 21:18	200
o-Xylene	24	U	200	24	ug/L			06/24/12 21:18	200
m-Xylene & p-Xylene	34	U	200	34	ug/L			06/24/12 21:18	200
Xylenes, Total	52	U	200	52	ug/L			06/24/12 21:18	200
cis-1,2-Dichloroethene	**74**	**J**	200	12	ug/L			06/24/12 21:18	200
Bromodichloromethane	32	U	200	32	ug/L			06/24/12 21:18	200
1,2-Dichloroethene, Total	**74**	**J**	200	60	ug/L			06/24/12 21:18	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*91*		*70 - 130*		*06/24/12 21:18*	*200*
Dibromofluoromethane	*95*		*62 - 130*		*06/24/12 21:18*	*200*
4-Bromofluorobenzene	*95*		*67 - 139*		*06/24/12 21:18*	*200*
1,2-Dichloroethane-d4 (Surr)	*103*		*50 - 134*		*06/24/12 21:18*	*200*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**22000**		2000	110	ug/L			06/26/12 15:34	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*84*		*70 - 130*		*06/26/12 15:34*	*1000*

Client Sample ID: MW-71-NP-3

Lab Sample ID: 600-56881-1

Date Collected: 06/20/12 08:30

Matrix: Water

Date Received: 06/21/12 15:31

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*80*		*62 - 130*		*06/26/12 15:34*	*1000*
4-Bromofluorobenzene	*83*		*67 - 139*		*06/26/12 15:34*	*1000*
1,2-Dichloroethane-d4 (Surr)	*79*		*50 - 134*		*06/26/12 15:34*	*1000*

Client Sample ID: MW-8-NP-3

Lab Sample ID: 600-56881-2

Date Collected: 06/20/12 09:38

Matrix: Water

Date Received: 06/21/12 15:31

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	20	U	100	20	ug/L			06/27/12 04:45	20
Benzene	**720**		20	1.6	ug/L			06/27/12 04:45	20
Chlorobromomethane	3.6	U	20	3.6	ug/L			06/27/12 04:45	20
Bromoform	3.8	U	20	3.8	ug/L			06/27/12 04:45	20
Bromomethane	5.0	U	40	5.0	ug/L			06/27/12 04:45	20
2-Butanone (MEK)	15	U	40	15	ug/L			06/27/12 04:45	20
Carbon disulfide	4.8	U	40	4.8	ug/L			06/27/12 04:45	20
Carbon tetrachloride	3.0	U	20	3.0	ug/L			06/27/12 04:45	20
Dibromochloromethane	3.0	U	20	3.0	ug/L			06/27/12 04:45	20
Chlorobenzene	**120**		20	2.4	ug/L			06/27/12 04:45	20
Chloroethane	1.6	U	40	1.6	ug/L			06/27/12 04:45	20
Chloroform	2.6	U	20	2.6	ug/L			06/27/12 04:45	20
Chloromethane	3.6	U	40	3.6	ug/L			06/27/12 04:45	20
1,1-Dichloroethane	**350**		20	2.2	ug/L			06/27/12 04:45	20
1,2-Dichloroethane	**93**		20	2.8	ug/L			06/27/12 04:45	20
1,1-Dichloroethene	**130**		20	3.8	ug/L			06/27/12 04:45	20
trans-1,2-Dichloroethene	**230**		20	1.8	ug/L			06/27/12 04:45	20
1,2-Dichloropropane	3.2	U	20	3.2	ug/L			06/27/12 04:45	20
cis-1,3-Dichloropropene	3.6	U	20	3.6	ug/L			06/27/12 04:45	20
trans-1,3-Dichloropropene	4.2	U	20	4.2	ug/L			06/27/12 04:45	20
Ethylbenzene	**310**		20	2.2	ug/L			06/27/12 04:45	20
2-Hexanone	7.0	U	40	7.0	ug/L			06/27/12 04:45	20
Methylene Chloride	**10**	**J**	100	3.0	ug/L			06/27/12 04:45	20
4-Methyl-2-pentanone (MIBK)	9.0	U	40	9.0	ug/L			06/27/12 04:45	20
Styrene	**1.8**	**J**	20	1.4	ug/L			06/27/12 04:45	20
1,1,2,2-Tetrachloroethane	4.4	U	20	4.4	ug/L			06/27/12 04:45	20
Tetrachloroethene	2.6	U	20	2.6	ug/L			06/27/12 04:45	20
Toluene	**75**		20	3.0	ug/L			06/27/12 04:45	20
1,1,1-Trichloroethane	3.0	U	20	3.0	ug/L			06/27/12 04:45	20
1,1,2-Trichloroethane	5.6	U	20	5.6	ug/L			06/27/12 04:45	20
Trichloroethene	**24**		20	3.6	ug/L			06/27/12 04:45	20
Vinyl acetate	4.2	U	40	4.2	ug/L			06/27/12 04:45	20
o-Xylene	**7.7**	**J**	20	2.4	ug/L			06/27/12 04:45	20
m-Xylene & p-Xylene	**9.0**	**J**	20	3.4	ug/L			06/27/12 04:45	20
Xylenes, Total	**17**	**J**	20	5.2	ug/L			06/27/12 04:45	20
cis-1,2-Dichloroethene	**55**		20	1.2	ug/L			06/27/12 04:45	20
Bromodichloromethane	3.2	U	20	3.2	ug/L			06/27/12 04:45	20
1,2-Dichloroethene, Total	**290**		20	6.0	ug/L			06/27/12 04:45	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*86*		*70 - 130*		*06/27/12 04:45*	*20*

Client Sample ID: MW-8-NP-3

Lab Sample ID: 600-56881-2

Date Collected: 06/20/12 09:38

Matrix: Water

Date Received: 06/21/12 15:31

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*82*		*62 - 130*		*06/27/12 04:45*	*20*
4-Bromofluorobenzene	*88*		*67 - 139*		*06/27/12 04:45*	*20*
1,2-Dichloroethane-d4 (Surr)	*87*		*50 - 134*		*06/27/12 04:45*	*20*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**4500**		400	22	ug/L			06/24/12 21:47	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*90*		*70 - 130*		*06/24/12 21:47*	*200*
Dibromofluoromethane	*94*		*62 - 130*		*06/24/12 21:47*	*200*
4-Bromofluorobenzene	*94*		*67 - 139*		*06/24/12 21:47*	*200*
1,2-Dichloroethane-d4 (Surr)	*103*		*50 - 134*		*06/24/12 21:47*	*200*

Client Sample ID: MW-65-NP-3

Lab Sample ID: 600-56881-3

Date Collected: 06/20/12 10:36

Matrix: Water

Date Received: 06/21/12 15:31

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	200	U	1000	200	ug/L			06/24/12 22:15	200
Benzene	**1600**		200	16	ug/L			06/24/12 22:15	200
Chlorobromomethane	36	U	200	36	ug/L			06/24/12 22:15	200
Bromoform	38	U	200	38	ug/L			06/24/12 22:15	200
Bromomethane	50	U	400	50	ug/L			06/24/12 22:15	200
2-Butanone (MEK)	150	U	400	150	ug/L			06/24/12 22:15	200
Carbon disulfide	48	U	400	48	ug/L			06/24/12 22:15	200
Carbon tetrachloride	30	U	200	30	ug/L			06/24/12 22:15	200
Dibromochloromethane	30	U	200	30	ug/L			06/24/12 22:15	200
Chlorobenzene	**290**		200	24	ug/L			06/24/12 22:15	200
Chloroethane	16	U	400	16	ug/L			06/24/12 22:15	200
Chloroform	26	U	200	26	ug/L			06/24/12 22:15	200
Chloromethane	36	U	400	36	ug/L			06/24/12 22:15	200
1,1-Dichloroethane	**2000**		200	22	ug/L			06/24/12 22:15	200
1,2-Dichloroethane	28	U	200	28	ug/L			06/24/12 22:15	200
1,1-Dichloroethene	**120**	**J**	200	38	ug/L			06/24/12 22:15	200
trans-1,2-Dichloroethene	**1300**		200	18	ug/L			06/24/12 22:15	200
1,2-Dichloropropane	32	U	200	32	ug/L			06/24/12 22:15	200
cis-1,3-Dichloropropene	36	U	200	36	ug/L			06/24/12 22:15	200
trans-1,3-Dichloropropene	42	U	200	42	ug/L			06/24/12 22:15	200
Ethylbenzene	**140**	**J**	200	22	ug/L			06/24/12 22:15	200
2-Hexanone	70	U	400	70	ug/L			06/24/12 22:15	200
Methylene Chloride	30	U	1000	30	ug/L			06/24/12 22:15	200
4-Methyl-2-pentanone (MIBK)	90	U	400	90	ug/L			06/24/12 22:15	200
Styrene	14	U	200	14	ug/L			06/24/12 22:15	200
1,1,2,2-Tetrachloroethane	44	U	200	44	ug/L			06/24/12 22:15	200
Tetrachloroethene	26	U	200	26	ug/L			06/24/12 22:15	200
Toluene	**73**	**J**	200	30	ug/L			06/24/12 22:15	200
1,1,1-Trichloroethane	30	U	200	30	ug/L			06/24/12 22:15	200
1,1,2-Trichloroethane	56	U	200	56	ug/L			06/24/12 22:15	200
Trichloroethene	36	U	200	36	ug/L			06/24/12 22:15	200

Client Sample ID: MW-65-NP-3

Lab Sample ID: 600-56881-3

Date Collected: 06/20/12 10:36

Matrix: Water

Date Received: 06/21/12 15:31

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	42	U	400	42	ug/L			06/24/12 22:15	200
o-Xylene	24	U	200	24	ug/L			06/24/12 22:15	200
m-Xylene & p-Xylene	34	U	200	34	ug/L			06/24/12 22:15	200
Xylenes, Total	52	U	200	52	ug/L			06/24/12 22:15	200
cis-1,2-Dichloroethene	**49**	**J**	200	12	ug/L			06/24/12 22:15	200
Bromodichloromethane	32	U	200	32	ug/L			06/24/12 22:15	200
1,2-Dichloroethene, Total	**1300**		200	60	ug/L			06/24/12 22:15	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*86*		*70 - 130*		*06/24/12 22:15*	*200*
Dibromofluoromethane	*94*		*62 - 130*		*06/24/12 22:15*	*200*
4-Bromofluorobenzene	*95*		*67 - 139*		*06/24/12 22:15*	*200*
1,2-Dichloroethane-d4 (Surr)	*102*		*50 - 134*		*06/24/12 22:15*	*200*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**110000**		20000	1100	ug/L			06/26/12 16:36	10000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*107*		*70 - 130*		*06/26/12 16:36*	*10000*
Dibromofluoromethane	*114*		*62 - 130*		*06/26/12 16:36*	*10000*
4-Bromofluorobenzene	*86*		*67 - 139*		*06/26/12 16:36*	*10000*
1,2-Dichloroethane-d4 (Surr)	*107*		*50 - 134*		*06/26/12 16:36*	*10000*

Client Sample ID: MW-40-NP-3

Lab Sample ID: 600-56881-4

Date Collected: 06/20/12 12:55

Matrix: Water

Date Received: 06/21/12 15:31

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.0	U	25	5.0	ug/L			06/25/12 12:47	5
Benzene	**89**		5.0	0.40	ug/L			06/25/12 12:47	5
Chlorobromomethane	0.90	U	5.0	0.90	ug/L			06/25/12 12:47	5
Bromoform	0.95	U	5.0	0.95	ug/L			06/25/12 12:47	5
Bromomethane	1.3	U	10	1.3	ug/L			06/25/12 12:47	5
2-Butanone (MEK)	3.8	U	10	3.8	ug/L			06/25/12 12:47	5
Carbon disulfide	1.2	U	10	1.2	ug/L			06/25/12 12:47	5
Carbon tetrachloride	0.75	U	5.0	0.75	ug/L			06/25/12 12:47	5
Dibromochloromethane	0.75	U	5.0	0.75	ug/L			06/25/12 12:47	5
Chloroethane	0.40	U	10	0.40	ug/L			06/25/12 12:47	5
Chloroform	0.65	U	5.0	0.65	ug/L			06/25/12 12:47	5
Chloromethane	0.90	U	10	0.90	ug/L			06/25/12 12:47	5
1,2-Dichloroethane	**6.5**		5.0	0.70	ug/L			06/25/12 12:47	5
1,1-Dichloroethene	**1.4**	**J**	5.0	0.95	ug/L			06/25/12 12:47	5
trans-1,2-Dichloroethene	**9.8**		5.0	0.45	ug/L			06/25/12 12:47	5
1,2-Dichloropropane	0.80	U	5.0	0.80	ug/L			06/25/12 12:47	5
cis-1,3-Dichloropropene	0.90	U	5.0	0.90	ug/L			06/25/12 12:47	5
trans-1,3-Dichloropropene	1.1	U	5.0	1.1	ug/L			06/25/12 12:47	5
Ethylbenzene	**86**		5.0	0.55	ug/L			06/25/12 12:47	5
2-Hexanone	1.8	U	10	1.8	ug/L			06/25/12 12:47	5
Methylene Chloride	0.75	U	25	0.75	ug/L			06/25/12 12:47	5
4-Methyl-2-pentanone (MIBK)	2.3	U	10	2.3	ug/L			06/25/12 12:47	5

Client Sample ID: MW-40-NP-3

Lab Sample ID: 600-56881-4

Date Collected: 06/20/12 12:55

Matrix: Water

Date Received: 06/21/12 15:31

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	0.35	U	5.0	0.35	ug/L			06/25/12 12:47	5
1,1,2,2-Tetrachloroethane	1.1	U	5.0	1.1	ug/L			06/25/12 12:47	5
Tetrachloroethene	0.65	U	5.0	0.65	ug/L			06/25/12 12:47	5
Toluene	**19**		5.0	0.75	ug/L			06/25/12 12:47	5
1,1,1-Trichloroethane	0.75	U	5.0	0.75	ug/L			06/25/12 12:47	5
1,1,2-Trichloroethane	1.4	U	5.0	1.4	ug/L			06/25/12 12:47	5
Trichloroethene	**2.0**	**J**	5.0	0.90	ug/L			06/25/12 12:47	5
Vinyl acetate	1.1	U	10	1.1	ug/L			06/25/12 12:47	5
o-Xylene	**0.76**	**J**	5.0	0.60	ug/L			06/25/12 12:47	5
m-Xylene & p-Xylene	**2.5**	**J**	5.0	0.85	ug/L			06/25/12 12:47	5
Xylenes, Total	**3.3**	**J**	5.0	1.3	ug/L			06/25/12 12:47	5
cis-1,2-Dichloroethene	**4.4**	**J**	5.0	0.30	ug/L			06/25/12 12:47	5
Bromodichloromethane	0.80	U	5.0	0.80	ug/L			06/25/12 12:47	5
1,2-Dichloroethene, Total	**14**		5.0	1.5	ug/L			06/25/12 12:47	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*110*		*70 - 130*		*06/25/12 12:47*	*5*
Dibromofluoromethane	*121*		*62 - 130*		*06/25/12 12:47*	*5*
4-Bromofluorobenzene	*96*		*67 - 139*		*06/25/12 12:47*	*5*
1,2-Dichloroethane-d4 (Surr)	*120*		*50 - 134*		*06/25/12 12:47*	*5*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	**280**		50	6.0	ug/L			06/27/12 01:54	50
1,1-Dichloroethane	**410**		50	5.5	ug/L			06/27/12 01:54	50
Vinyl chloride	**1500**		400	22	ug/L			06/24/12 22:43	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*88*		*70 - 130*		*06/24/12 22:43*	*200*
Toluene-d8 (Surr)	*102*		*70 - 130*		*06/27/12 01:54*	*50*
Dibromofluoromethane	*95*		*62 - 130*		*06/24/12 22:43*	*200*
Dibromofluoromethane	*110*		*62 - 130*		*06/27/12 01:54*	*50*
4-Bromofluorobenzene	*94*		*67 - 139*		*06/24/12 22:43*	*200*
4-Bromofluorobenzene	*103*		*67 - 139*		*06/27/12 01:54*	*50*
1,2-Dichloroethane-d4 (Surr)	*104*		*50 - 134*		*06/24/12 22:43*	*200*
1,2-Dichloroethane-d4 (Surr)	*110*		*50 - 134*		*06/27/12 01:54*	*50*

Client Sample ID: MW-11-NP-3

Lab Sample ID: 600-56881-5

Date Collected: 06/20/12 13:30

Matrix: Water

Date Received: 06/21/12 15:31

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	200	U	1000	200	ug/L			06/24/12 23:12	200
Benzene	**130**	**J**	200	16	ug/L			06/24/12 23:12	200
Chlorobromomethane	36	U	200	36	ug/L			06/24/12 23:12	200
Bromoform	38	U	200	38	ug/L			06/24/12 23:12	200
Bromomethane	50	U	400	50	ug/L			06/24/12 23:12	200
2-Butanone (MEK)	150	U	400	150	ug/L			06/24/12 23:12	200
Carbon disulfide	48	U	400	48	ug/L			06/24/12 23:12	200
Carbon tetrachloride	30	U	200	30	ug/L			06/24/12 23:12	200
Dibromochloromethane	30	U	200	30	ug/L			06/24/12 23:12	200

Client Sample ID: MW-11-NP-3

Lab Sample ID: 600-56881-5

Date Collected: 06/20/12 13:30

Matrix: Water

Date Received: 06/21/12 15:31

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	**290**		200	24	ug/L			06/24/12 23:12	200
Chloroethane	16	U	400	16	ug/L			06/24/12 23:12	200
Chloroform	26	U	200	26	ug/L			06/24/12 23:12	200
Chloromethane	36	U	400	36	ug/L			06/24/12 23:12	200
1,1-Dichloroethane	**1200**		200	22	ug/L			06/24/12 23:12	200
1,2-Dichloroethane	**2600**		200	28	ug/L			06/24/12 23:12	200
1,1-Dichloroethene	**380**		200	38	ug/L			06/24/12 23:12	200
trans-1,2-Dichloroethene	**1800**		200	18	ug/L			06/24/12 23:12	200
1,2-Dichloropropane	32	U	200	32	ug/L			06/24/12 23:12	200
cis-1,3-Dichloropropene	36	U	200	36	ug/L			06/24/12 23:12	200
trans-1,3-Dichloropropene	42	U	200	42	ug/L			06/24/12 23:12	200
Ethylbenzene	22	U	200	22	ug/L			06/24/12 23:12	200
2-Hexanone	70	U	400	70	ug/L			06/24/12 23:12	200
Methylene Chloride	30	U	1000	30	ug/L			06/24/12 23:12	200
4-Methyl-2-pentanone (MIBK)	90	U	400	90	ug/L			06/24/12 23:12	200
Styrene	14	U	200	14	ug/L			06/24/12 23:12	200
1,1,2,2-Tetrachloroethane	44	U	200	44	ug/L			06/24/12 23:12	200
Tetrachloroethene	26	U	200	26	ug/L			06/24/12 23:12	200
Toluene	30	U	200	30	ug/L			06/24/12 23:12	200
1,1,1-Trichloroethane	30	U	200	30	ug/L			06/24/12 23:12	200
1,1,2-Trichloroethane	56	U	200	56	ug/L			06/24/12 23:12	200
Trichloroethene	**620**		200	36	ug/L			06/24/12 23:12	200
Vinyl acetate	42	U	400	42	ug/L			06/24/12 23:12	200
o-Xylene	24	U	200	24	ug/L			06/24/12 23:12	200
m-Xylene & p-Xylene	34	U	200	34	ug/L			06/24/12 23:12	200
Xylenes, Total	52	U	200	52	ug/L			06/24/12 23:12	200
cis-1,2-Dichloroethene	**3200**		200	12	ug/L			06/24/12 23:12	200
Bromodichloromethane	32	U	200	32	ug/L			06/24/12 23:12	200
1,2-Dichloroethene, Total	**5000**		200	60	ug/L			06/24/12 23:12	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*87*		*70 - 130*		*06/24/12 23:12*	*200*
Dibromofluoromethane	*92*		*62 - 130*		*06/24/12 23:12*	*200*
4-Bromofluorobenzene	*99*		*67 - 139*		*06/24/12 23:12*	*200*
1,2-Dichloroethane-d4 (Surr)	*102*		*50 - 134*		*06/24/12 23:12*	*200*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**17000**		2000	110	ug/L			06/25/12 16:05	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*113*		*70 - 130*		*06/25/12 16:05*	*1000*
Dibromofluoromethane	*119*		*62 - 130*		*06/25/12 16:05*	*1000*
4-Bromofluorobenzene	*96*		*67 - 139*		*06/25/12 16:05*	*1000*
1,2-Dichloroethane-d4 (Surr)	*116*		*50 - 134*		*06/25/12 16:05*	*1000*

Client Sample Results

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-56881-1

Client Sample ID: MW-68-NP-3

Date Collected: 06/20/12 14:19
Date Received: 06/21/12 15:31

Lab Sample ID: 600-56881-6

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	20	U	100	20	ug/L			06/27/12 05:14	20
Benzene	**110**		20	1.6	ug/L			06/27/12 05:14	20
Chlorobromomethane	3.6	U	20	3.6	ug/L			06/27/12 05:14	20
Bromoform	3.8	U	20	3.8	ug/L			06/27/12 05:14	20
Bromomethane	5.0	U	40	5.0	ug/L			06/27/12 05:14	20
2-Butanone (MEK)	15	U	40	15	ug/L			06/27/12 05:14	20
Carbon disulfide	4.8	U	40	4.8	ug/L			06/27/12 05:14	20
Carbon tetrachloride	3.0	U	20	3.0	ug/L			06/27/12 05:14	20
Dibromochloromethane	3.0	U	20	3.0	ug/L			06/27/12 05:14	20
Chlorobenzene	**35**		20	2.4	ug/L			06/27/12 05:14	20
Chloroethane	1.6	U	40	1.6	ug/L			06/27/12 05:14	20
Chloroform	2.6	U	20	2.6	ug/L			06/27/12 05:14	20
Chloromethane	3.6	U	40	3.6	ug/L			06/27/12 05:14	20
1,1-Dichloroethane	**130**		20	2.2	ug/L			06/27/12 05:14	20
1,2-Dichloroethane	2.8	U	20	2.8	ug/L			06/27/12 05:14	20
1,1-Dichloroethene	**4.1**	**J**	20	3.8	ug/L			06/27/12 05:14	20
trans-1,2-Dichloroethene	**260**		20	1.8	ug/L			06/27/12 05:14	20
1,2-Dichloropropane	3.2	U	20	3.2	ug/L			06/27/12 05:14	20
cis-1,3-Dichloropropene	3.6	U	20	3.6	ug/L			06/27/12 05:14	20
trans-1,3-Dichloropropene	4.2	U	20	4.2	ug/L			06/27/12 05:14	20
Ethylbenzene	**180**		20	2.2	ug/L			06/27/12 05:14	20
2-Hexanone	7.0	U	40	7.0	ug/L			06/27/12 05:14	20
Methylene Chloride	**7.9**	**J**	100	3.0	ug/L			06/27/12 05:14	20
4-Methyl-2-pentanone (MIBK)	9.0	U	40	9.0	ug/L			06/27/12 05:14	20
Styrene	1.4	U	20	1.4	ug/L			06/27/12 05:14	20
1,1,2,2-Tetrachloroethane	4.4	U	20	4.4	ug/L			06/27/12 05:14	20
Tetrachloroethene	2.6	U	20	2.6	ug/L			06/27/12 05:14	20
Toluene	**36**		20	3.0	ug/L			06/27/12 05:14	20
1,1,1-Trichloroethane	3.0	U	20	3.0	ug/L			06/27/12 05:14	20
1,1,2-Trichloroethane	5.6	U	20	5.6	ug/L			06/27/12 05:14	20
Trichloroethene	3.6	U	20	3.6	ug/L			06/27/12 05:14	20
Vinyl acetate	4.2	U	40	4.2	ug/L			06/27/12 05:14	20
o-Xylene	2.4	U	20	2.4	ug/L			06/27/12 05:14	20
m-Xylene & p-Xylene	3.4	U	20	3.4	ug/L			06/27/12 05:14	20
Xylenes, Total	5.2	U	20	5.2	ug/L			06/27/12 05:14	20
cis-1,2-Dichloroethene	**17**	**J**	20	1.2	ug/L			06/27/12 05:14	20
Bromodichloromethane	3.2	U	20	3.2	ug/L			06/27/12 05:14	20
1,2-Dichloroethene, Total	**280**		20	6.0	ug/L			06/27/12 05:14	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*83*		*70 - 130*		*06/27/12 05:14*	*20*
Dibromofluoromethane	*83*		*62 - 130*		*06/27/12 05:14*	*20*
4-Bromofluorobenzene	*89*		*67 - 139*		*06/27/12 05:14*	*20*
1,2-Dichloroethane-d4 (Surr)	*83*		*50 - 134*		*06/27/12 05:14*	*20*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**8100**		1000	55	ug/L			06/27/12 05:43	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*85*		*70 - 130*		*06/27/12 05:43*	*500*
Dibromofluoromethane	*82*		*62 - 130*		*06/27/12 05:43*	*500*

Client Sample ID: MW-68-NP-3

Lab Sample ID: 600-56881-6

Date Collected: 06/20/12 14:19

Matrix: Water

Date Received: 06/21/12 15:31

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	90		67 - 139		06/27/12 05:43	500
1,2-Dichloroethane-d4 (Surr)	82		50 - 134		06/27/12 05:43	500

Client Sample ID: MW-66-NP-3

Lab Sample ID: 600-56881-7

Date Collected: 06/20/12 15:05

Matrix: Water

Date Received: 06/21/12 15:31

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**1300**		1000	200	ug/L			06/27/12 07:08	200
Benzene	**5600**		200	16	ug/L			06/27/12 07:08	200
Chlorobromomethane	36	U	200	36	ug/L			06/27/12 07:08	200
Bromoform	38	U	200	38	ug/L			06/27/12 07:08	200
Bromomethane	50	U	400	50	ug/L			06/27/12 07:08	200
2-Butanone (MEK)	150	U	400	150	ug/L			06/27/12 07:08	200
Carbon disulfide	48	U	400	48	ug/L			06/27/12 07:08	200
Carbon tetrachloride	30	U	200	30	ug/L			06/27/12 07:08	200
Dibromochloromethane	30	U	200	30	ug/L			06/27/12 07:08	200
Chlorobenzene	**1500**		200	24	ug/L			06/27/12 07:08	200
Chloroethane	16	U	400	16	ug/L			06/27/12 07:08	200
Chloroform	**43**	**J**	200	26	ug/L			06/27/12 07:08	200
Chloromethane	36	U	400	36	ug/L			06/27/12 07:08	200
1,1-Dichloroethane	**2200**		200	22	ug/L			06/27/12 07:08	200
1,1-Dichloroethene	**1300**		200	38	ug/L			06/27/12 07:08	200
trans-1,2-Dichloroethene	**1300**		200	18	ug/L			06/27/12 07:08	200
1,2-Dichloropropane	32	U	200	32	ug/L			06/27/12 07:08	200
cis-1,3-Dichloropropene	36	U	200	36	ug/L			06/27/12 07:08	200
trans-1,3-Dichloropropene	42	U	200	42	ug/L			06/27/12 07:08	200
Ethylbenzene	**2800**		200	22	ug/L			06/27/12 07:08	200
2-Hexanone	70	U	400	70	ug/L			06/27/12 07:08	200
Methylene Chloride	**210**	**J**	1000	30	ug/L			06/27/12 07:08	200
4-Methyl-2-pentanone (MIBK)	90	U	400	90	ug/L			06/27/12 07:08	200
Styrene	**1300**		200	14	ug/L			06/27/12 07:08	200
1,1,2,2-Tetrachloroethane	44	U	200	44	ug/L			06/27/12 07:08	200
Tetrachloroethene	**92**	**J**	200	26	ug/L			06/27/12 07:08	200
Toluene	**2200**		200	30	ug/L			06/27/12 07:08	200
1,1,1-Trichloroethane	30	U	200	30	ug/L			06/27/12 07:08	200
Trichloroethene	**820**		200	36	ug/L			06/27/12 07:08	200
Vinyl acetate	42	U	400	42	ug/L			06/27/12 07:08	200
o-Xylene	24	U	200	24	ug/L			06/27/12 07:08	200
m-Xylene & p-Xylene	34	U	200	34	ug/L			06/27/12 07:08	200
Xylenes, Total	52	U	200	52	ug/L			06/27/12 07:08	200
cis-1,2-Dichloroethene	**670**		200	12	ug/L			06/27/12 07:08	200
Bromodichloromethane	32	U	200	32	ug/L			06/27/12 07:08	200
1,2-Dichloroethene, Total	**2000**		200	60	ug/L			06/27/12 07:08	200

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	85		70 - 130		06/27/12 07:08	200
Dibromofluoromethane	83		62 - 130		06/27/12 07:08	200
4-Bromofluorobenzene	86		67 - 139		06/27/12 07:08	200
1,2-Dichloroethane-d4 (Surr)	87		50 - 134		06/27/12 07:08	200

Client Sample ID: MW-66-NP-3

Lab Sample ID: 600-56881-7

Date Collected: 06/20/12 15:05

Matrix: Water

Date Received: 06/21/12 15:31

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	**140000**		10000	1400	ug/L			06/27/12 07:37	10000
1,1,2-Trichloroethane	**100000**		10000	2800	ug/L			06/27/12 07:37	10000
Vinyl chloride	**55000**		20000	1100	ug/L			06/27/12 07:37	10000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*87*		*70 - 130*		*06/27/12 07:37*	*10000*
Dibromofluoromethane	*85*		*62 - 130*		*06/27/12 07:37*	*10000*
4-Bromofluorobenzene	*86*		*67 - 139*		*06/27/12 07:37*	*10000*
1,2-Dichloroethane-d4 (Surr)	*82*		*50 - 134*		*06/27/12 07:37*	*10000*

Client Sample ID: MW-4-NP-3

Lab Sample ID: 600-56881-8

Date Collected: 06/20/12 15:45

Matrix: Water

Date Received: 06/21/12 15:31

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	200	U	1000	200	ug/L			06/27/12 08:05	200
Benzene	**3600**		200	16	ug/L			06/27/12 08:05	200
Chlorobromomethane	36	U	200	36	ug/L			06/27/12 08:05	200
Bromoform	38	U	200	38	ug/L			06/27/12 08:05	200
Bromomethane	50	U	400	50	ug/L			06/27/12 08:05	200
2-Butanone (MEK)	150	U	400	150	ug/L			06/27/12 08:05	200
Carbon disulfide	48	U	400	48	ug/L			06/27/12 08:05	200
Carbon tetrachloride	30	U	200	30	ug/L			06/27/12 08:05	200
Dibromochloromethane	30	U	200	30	ug/L			06/27/12 08:05	200
Chlorobenzene	**650**		200	24	ug/L			06/27/12 08:05	200
Chloroethane	16	U	400	16	ug/L			06/27/12 08:05	200
Chloroform	26	U	200	26	ug/L			06/27/12 08:05	200
Chloromethane	36	U	400	36	ug/L			06/27/12 08:05	200
1,1-Dichloroethane	**5000**		200	22	ug/L			06/27/12 08:05	200
1,1-Dichloroethene	**6100**		200	38	ug/L			06/27/12 08:05	200
trans-1,2-Dichloroethene	**7200**		200	18	ug/L			06/27/12 08:05	200
1,2-Dichloropropane	32	U	200	32	ug/L			06/27/12 08:05	200
cis-1,3-Dichloropropene	36	U	200	36	ug/L			06/27/12 08:05	200
trans-1,3-Dichloropropene	42	U	200	42	ug/L			06/27/12 08:05	200
Ethylbenzene	**360**		200	22	ug/L			06/27/12 08:05	200
2-Hexanone	70	U	400	70	ug/L			06/27/12 08:05	200
Methylene Chloride	**85**	**J**	1000	30	ug/L			06/27/12 08:05	200
4-Methyl-2-pentanone (MIBK)	90	U	400	90	ug/L			06/27/12 08:05	200
Styrene	14	U	200	14	ug/L			06/27/12 08:05	200
1,1,2,2-Tetrachloroethane	44	U	200	44	ug/L			06/27/12 08:05	200
Tetrachloroethene	**150**	**J**	200	26	ug/L			06/27/12 08:05	200
Toluene	**150**	**J**	200	30	ug/L			06/27/12 08:05	200
1,1,1-Trichloroethane	30	U	200	30	ug/L			06/27/12 08:05	200
1,1,2-Trichloroethane	56	U	200	56	ug/L			06/27/12 08:05	200
Trichloroethene	**1000**		200	36	ug/L			06/27/12 08:05	200
Vinyl acetate	42	U	400	42	ug/L			06/27/12 08:05	200
o-Xylene	24	U	200	24	ug/L			06/27/12 08:05	200
m-Xylene & p-Xylene	34	U	200	34	ug/L			06/27/12 08:05	200
Xylenes, Total	52	U	200	52	ug/L			06/27/12 08:05	200
cis-1,2-Dichloroethene	**4300**		200	12	ug/L			06/27/12 08:05	200

Client Sample ID: MW-4-NP-3

Lab Sample ID: 600-56881-8

Date Collected: 06/20/12 15:45

Matrix: Water

Date Received: 06/21/12 15:31

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	32	U	200	32	ug/L			06/27/12 08:05	200
1,2-Dichloroethene, Total	**12000**		200	60	ug/L			06/27/12 08:05	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*84*		*70 - 130*		*06/27/12 08:05*	*200*
Dibromofluoromethane	*80*		*62 - 130*		*06/27/12 08:05*	*200*
4-Bromofluorobenzene	*87*		*67 - 139*		*06/27/12 08:05*	*200*
1,2-Dichloroethane-d4 (Surr)	*84*		*50 - 134*		*06/27/12 08:05*	*200*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	**52000**		20000	2800	ug/L			06/27/12 08:34	20000
Vinyl chloride	**270000**		40000	2200	ug/L			06/27/12 08:34	20000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*84*		*70 - 130*		*06/27/12 08:34*	*20000*
Dibromofluoromethane	*82*		*62 - 130*		*06/27/12 08:34*	*20000*
4-Bromofluorobenzene	*88*		*67 - 139*		*06/27/12 08:34*	*20000*
1,2-Dichloroethane-d4 (Surr)	*82*		*50 - 134*		*06/27/12 08:34*	*20000*

Client Sample ID: MW-DUP-NP-3

Lab Sample ID: 600-56881-9

Date Collected: 06/20/12 00:00

Matrix: Water

Date Received: 06/21/12 15:31

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	99	U	500	99	ug/L			06/27/12 06:11	100
Benzene	**88**	**J**	100	8.0	ug/L			06/27/12 06:11	100
Chlorobromomethane	18	U	100	18	ug/L			06/27/12 06:11	100
Bromoform	19	U	100	19	ug/L			06/27/12 06:11	100
Bromomethane	25	U	200	25	ug/L			06/27/12 06:11	100
2-Butanone (MEK)	76	U	200	76	ug/L			06/27/12 06:11	100
Carbon disulfide	24	U	200	24	ug/L			06/27/12 06:11	100
Carbon tetrachloride	15	U	100	15	ug/L			06/27/12 06:11	100
Dibromochloromethane	15	U	100	15	ug/L			06/27/12 06:11	100
Chlorobenzene	**190**		100	12	ug/L			06/27/12 06:11	100
Chloroethane	8.0	U	200	8.0	ug/L			06/27/12 06:11	100
Chloroform	13	U	100	13	ug/L			06/27/12 06:11	100
Chloromethane	18	U	200	18	ug/L			06/27/12 06:11	100
1,1-Dichloroethane	**810**		100	11	ug/L			06/27/12 06:11	100
1,2-Dichloroethane	**3100**		100	14	ug/L			06/27/12 06:11	100
1,1-Dichloroethene	**390**		100	19	ug/L			06/27/12 06:11	100
trans-1,2-Dichloroethene	**1400**		100	9.0	ug/L			06/27/12 06:11	100
1,2-Dichloropropane	16	U	100	16	ug/L			06/27/12 06:11	100
cis-1,3-Dichloropropene	18	U	100	18	ug/L			06/27/12 06:11	100
trans-1,3-Dichloropropene	21	U	100	21	ug/L			06/27/12 06:11	100
Ethylbenzene	11	U	100	11	ug/L			06/27/12 06:11	100
2-Hexanone	35	U	200	35	ug/L			06/27/12 06:11	100
Methylene Chloride	**52**	**J**	500	15	ug/L			06/27/12 06:11	100
4-Methyl-2-pentanone (MIBK)	45	U	200	45	ug/L			06/27/12 06:11	100
Styrene	7.0	U	100	7.0	ug/L			06/27/12 06:11	100
1,1,2,2-Tetrachloroethane	22	U	100	22	ug/L			06/27/12 06:11	100

Client Sample ID: MW-DUP-NP-3

Lab Sample ID: 600-56881-9

Date Collected: 06/20/12 00:00

Matrix: Water

Date Received: 06/21/12 15:31

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	13	U	100	13	ug/L			06/27/12 06:11	100
Toluene	15	U	100	15	ug/L			06/27/12 06:11	100
1,1,1-Trichloroethane	15	U	100	15	ug/L			06/27/12 06:11	100
1,1,2-Trichloroethane	28	U	100	28	ug/L			06/27/12 06:11	100
Trichloroethene	**500**		100	18	ug/L			06/27/12 06:11	100
Vinyl acetate	21	U	200	21	ug/L			06/27/12 06:11	100
o-Xylene	12	U	100	12	ug/L			06/27/12 06:11	100
m-Xylene & p-Xylene	17	U	100	17	ug/L			06/27/12 06:11	100
Xylenes, Total	26	U	100	26	ug/L			06/27/12 06:11	100
cis-1,2-Dichloroethene	**2800**		100	6.0	ug/L			06/27/12 06:11	100
Bromodichloromethane	16	U	100	16	ug/L			06/27/12 06:11	100
1,2-Dichloroethene, Total	**4200**		100	30	ug/L			06/27/12 06:11	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*85*		*70 - 130*		*06/27/12 06:11*	*100*
Dibromofluoromethane	*83*		*62 - 130*		*06/27/12 06:11*	*100*
4-Bromofluorobenzene	*85*		*67 - 139*		*06/27/12 06:11*	*100*
1,2-Dichloroethane-d4 (Surr)	*82*		*50 - 134*		*06/27/12 06:11*	*100*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**17000**		2000	110	ug/L			06/27/12 06:40	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*86*		*70 - 130*		*06/27/12 06:40*	*1000*
Dibromofluoromethane	*79*		*62 - 130*		*06/27/12 06:40*	*1000*
4-Bromofluorobenzene	*84*		*67 - 139*		*06/27/12 06:40*	*1000*
1,2-Dichloroethane-d4 (Surr)	*80*		*50 - 134*		*06/27/12 06:40*	*1000*

Client Sample ID: Trip Blank

Lab Sample ID: 600-56881-10

Date Collected: 06/20/12 00:00

Matrix: Water

Date Received: 06/21/12 15:31

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			06/24/12 20:49	1
Benzene	0.080	U	1.0	0.080	ug/L			06/24/12 20:49	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			06/24/12 20:49	1
Bromoform	0.19	U	1.0	0.19	ug/L			06/24/12 20:49	1
Bromomethane	0.25	U	2.0	0.25	ug/L			06/24/12 20:49	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			06/24/12 20:49	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			06/24/12 20:49	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			06/24/12 20:49	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			06/24/12 20:49	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			06/24/12 20:49	1
Chloroethane	0.080	U	2.0	0.080	ug/L			06/24/12 20:49	1
Chloroform	0.13	U	1.0	0.13	ug/L			06/24/12 20:49	1
Chloromethane	0.18	U	2.0	0.18	ug/L			06/24/12 20:49	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			06/24/12 20:49	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			06/24/12 20:49	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/24/12 20:49	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			06/24/12 20:49	1

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-56881-1

Client Sample ID: Trip Blank

Lab Sample ID: 600-56881-10

Date Collected: 06/20/12 00:00

Matrix: Water

Date Received: 06/21/12 15:31

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			06/24/12 20:49	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			06/24/12 20:49	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			06/24/12 20:49	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			06/24/12 20:49	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			06/24/12 20:49	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			06/24/12 20:49	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			06/24/12 20:49	1
Styrene	0.070	U	1.0	0.070	ug/L			06/24/12 20:49	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			06/24/12 20:49	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			06/24/12 20:49	1
Toluene	0.15	U	1.0	0.15	ug/L			06/24/12 20:49	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			06/24/12 20:49	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			06/24/12 20:49	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			06/24/12 20:49	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			06/24/12 20:49	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			06/24/12 20:49	1
o-Xylene	0.12	U	1.0	0.12	ug/L			06/24/12 20:49	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			06/24/12 20:49	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			06/24/12 20:49	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			06/24/12 20:49	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			06/24/12 20:49	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			06/24/12 20:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*89*		*70 - 130*		*06/24/12 20:49*	*1*
Dibromofluoromethane	*93*		*62 - 130*		*06/24/12 20:49*	*1*
4-Bromofluorobenzene	*95*		*67 - 139*		*06/24/12 20:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*50 - 134*		*06/24/12 20:49*	*1*

Surrogate Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-56881-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DBFM	BFB	12DCE
Lab Sample ID	Client Sample ID	(70-130)	(62-130)	(67-139)	(50-134)
600-56881-1	MW-71-NP-3	91	95	95	103
600-56881-1 - DL	MW-71-NP-3	84	80	83	79
600-56881-1 MS - DL	MW-71-NP-3	85	84	88	80
600-56881-1 MSD - DL	MW-71-NP-3	85	83	88	79
600-56881-2 - DL	MW-8-NP-3	90	94	94	103
600-56881-2	MW-8-NP-3	86	82	88	87
600-56881-3	MW-65-NP-3	86	94	95	102
600-56881-3 - DL	MW-65-NP-3	107	114	86	107
600-56881-3 MS - DL	MW-65-NP-3	107	116	96	114
600-56881-3 MSD - DL	MW-65-NP-3	105	116	98	119
600-56881-4 - DL	MW-40-NP-3	88	95	94	104
600-56881-4	MW-40-NP-3	110	121	96	120
600-56881-4 - DL	MW-40-NP-3	102	110	103	110
600-56881-5	MW-11-NP-3	87	92	99	102
600-56881-5 - DL	MW-11-NP-3	113	119	96	116
600-56881-5 MS - DL	MW-11-NP-3	120	124	101	124
600-56881-5 MSD - DL	MW-11-NP-3	98	121	97	121
600-56881-6	MW-68-NP-3	83	83	89	83
600-56881-6 - DL	MW-68-NP-3	85	82	90	82
600-56881-7	MW-66-NP-3	85	83	86	87
600-56881-7 - DL	MW-66-NP-3	87	85	86	82
600-56881-8	MW-4-NP-3	84	80	87	84
600-56881-8 - DL	MW-4-NP-3	84	82	88	82
600-56881-9	MW-DUP-NP-3	85	83	85	82
600-56881-9 - DL	MW-DUP-NP-3	86	79	84	80
600-56881-10	Trip Blank	89	93	95	101
LCS 600-82242/3	Lab Control Sample	97	103	106	108
LCS 600-82245/3	Lab Control Sample	113	117	94	114
LCS 600-82388/4	Lab Control Sample	86	88	90	80
LCS 600-82389/3	Lab Control Sample	102	126	93	127
LCS 600-82462/22	Lab Control Sample	84	84	91	84
MB 600-82242/4	Method Blank	89	94	98	98
MB 600-82245/4	Method Blank	117	118	101	110
MB 600-82388/6	Method Blank	84	80	87	78
MB 600-82389/4	Method Blank	95	115	92	106
MB 600-82462/3	Method Blank	84	80	89	79

Surrogate Legend

TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane
BFB = 4-Bromofluorobenzene
12DCE = 1,2-Dichloroethane-d4 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 600-82242/4
Matrix: Water
Analysis Batch: 82242

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			06/24/12 14:09	1
Benzene	0.080	U	1.0	0.080	ug/L			06/24/12 14:09	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			06/24/12 14:09	1
Bromoform	0.19	U	1.0	0.19	ug/L			06/24/12 14:09	1
Bromomethane	0.25	U	2.0	0.25	ug/L			06/24/12 14:09	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			06/24/12 14:09	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			06/24/12 14:09	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			06/24/12 14:09	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			06/24/12 14:09	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			06/24/12 14:09	1
Chloroethane	0.080	U	2.0	0.080	ug/L			06/24/12 14:09	1
Chloroform	0.13	U	1.0	0.13	ug/L			06/24/12 14:09	1
Chloromethane	0.18	U	2.0	0.18	ug/L			06/24/12 14:09	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			06/24/12 14:09	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			06/24/12 14:09	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/24/12 14:09	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			06/24/12 14:09	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			06/24/12 14:09	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			06/24/12 14:09	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			06/24/12 14:09	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			06/24/12 14:09	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			06/24/12 14:09	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			06/24/12 14:09	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			06/24/12 14:09	1
Styrene	0.070	U	1.0	0.070	ug/L			06/24/12 14:09	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			06/24/12 14:09	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			06/24/12 14:09	1
Toluene	0.15	U	1.0	0.15	ug/L			06/24/12 14:09	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			06/24/12 14:09	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			06/24/12 14:09	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			06/24/12 14:09	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			06/24/12 14:09	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			06/24/12 14:09	1
o-Xylene	0.12	U	1.0	0.12	ug/L			06/24/12 14:09	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			06/24/12 14:09	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			06/24/12 14:09	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			06/24/12 14:09	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			06/24/12 14:09	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			06/24/12 14:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*89*		*70 - 130*		*06/24/12 14:09*	*1*
Dibromofluoromethane	*94*		*62 - 130*		*06/24/12 14:09*	*1*
4-Bromofluorobenzene	*98*		*67 - 139*		*06/24/12 14:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*50 - 134*		*06/24/12 14:09*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-82242/3
Matrix: Water
Analysis Batch: 82242

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	14.9		ug/L		75	28 - 152
Benzene	10.0	9.84		ug/L		98	69 - 131
Chlorobromomethane	10.0	9.96		ug/L		100	60 - 141
Bromoform	10.0	12.8		ug/L		128	39 - 149
Bromomethane	10.0	9.30		ug/L		93	52 - 146
2-Butanone (MEK)	20.0	17.3		ug/L		86	59 - 133
Carbon disulfide	10.0	11.0		ug/L		110	32 - 177
Carbon tetrachloride	10.0	14.1		ug/L		141	59 - 147
Dibromochloromethane	10.0	12.0		ug/L		120	58 - 132
Chlorobenzene	10.0	9.49		ug/L		95	60 - 136
Chloroethane	10.0	8.49		ug/L		85	56 - 144
Chloroform	10.0	10.8		ug/L		108	69 - 128
Chloromethane	10.0	9.73		ug/L		97	32 - 151
1,1-Dichloroethane	10.0	10.6		ug/L		106	66 - 126
1,2-Dichloroethane	10.0	11.6		ug/L		116	66 - 140
1,1-Dichloroethene	10.0	8.50		ug/L		85	59 - 145
trans-1,2-Dichloroethene	10.0	10.9		ug/L		109	70 - 132
1,2-Dichloropropane	10.0	9.92		ug/L		99	72 - 125
cis-1,3-Dichloropropene	10.0	11.8		ug/L		118	60 - 135
trans-1,3-Dichloropropene	10.0	13.0		ug/L		130	63 - 133
Ethylbenzene	10.0	9.22		ug/L		92	68 - 128
2-Hexanone	20.0	18.4		ug/L		92	51 - 130
Methylene Chloride	10.0	9.91		ug/L		99	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	18.8		ug/L		94	56 - 142
Styrene	10.0	9.44		ug/L		94	68 - 133
1,1,2,2-Tetrachloroethane	10.0	10.8		ug/L		108	68 - 134
Tetrachloroethene	10.0	10.2		ug/L		102	61 - 142
Toluene	10.0	9.65		ug/L		96	67 - 130
1,1,1-Trichloroethane	10.0	12.7		ug/L		127	65 - 142
1,1,2-Trichloroethane	10.0	10.3		ug/L		103	68 - 130
Trichloroethene	10.0	9.86		ug/L		99	68 - 130
Vinyl acetate	10.0	9.39		ug/L		94	58 - 175
Vinyl chloride	10.0	7.07		ug/L		71	47 - 146
o-Xylene	10.0	9.39		ug/L		94	68 - 134
m-Xylene & p-Xylene	20.0	18.6		ug/L		93	67 - 132
Xylenes, Total	30.0	28.0		ug/L		93	68 - 132
cis-1,2-Dichloroethene	10.0	9.81		ug/L		98	69 - 129
Bromodichloromethane	10.0	11.4		ug/L		114	73 - 130
1,2-Dichloroethene, Total	20.0	20.7		ug/L		104	65 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*97*		*70 - 130*
Dibromofluoromethane	*103*		*62 - 130*
4-Bromofluorobenzene	*106*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*108*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 600-82245/4
Matrix: Water
Analysis Batch: 82245

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			06/25/12 11:52	1
Benzene	0.080	U	1.0	0.080	ug/L			06/25/12 11:52	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			06/25/12 11:52	1
Bromoform	0.19	U	1.0	0.19	ug/L			06/25/12 11:52	1
Bromomethane	0.25	U	2.0	0.25	ug/L			06/25/12 11:52	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			06/25/12 11:52	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			06/25/12 11:52	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			06/25/12 11:52	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			06/25/12 11:52	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			06/25/12 11:52	1
Chloroethane	0.080	U	2.0	0.080	ug/L			06/25/12 11:52	1
Chloroform	0.13	U	1.0	0.13	ug/L			06/25/12 11:52	1
Chloromethane	0.18	U	2.0	0.18	ug/L			06/25/12 11:52	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			06/25/12 11:52	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			06/25/12 11:52	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/25/12 11:52	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			06/25/12 11:52	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			06/25/12 11:52	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			06/25/12 11:52	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			06/25/12 11:52	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			06/25/12 11:52	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			06/25/12 11:52	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			06/25/12 11:52	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			06/25/12 11:52	1
Styrene	0.070	U	1.0	0.070	ug/L			06/25/12 11:52	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			06/25/12 11:52	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			06/25/12 11:52	1
Toluene	0.15	U	1.0	0.15	ug/L			06/25/12 11:52	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			06/25/12 11:52	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			06/25/12 11:52	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			06/25/12 11:52	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			06/25/12 11:52	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			06/25/12 11:52	1
o-Xylene	0.12	U	1.0	0.12	ug/L			06/25/12 11:52	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			06/25/12 11:52	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			06/25/12 11:52	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			06/25/12 11:52	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			06/25/12 11:52	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			06/25/12 11:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*117*		*70 - 130*		*06/25/12 11:52*	*1*
Dibromofluoromethane	*118*		*62 - 130*		*06/25/12 11:52*	*1*
4-Bromofluorobenzene	*101*		*67 - 139*		*06/25/12 11:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*50 - 134*		*06/25/12 11:52*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-82245/3
Matrix: Water
Analysis Batch: 82245

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	14.0		ug/L		70	28 - 152
Benzene	10.0	9.65		ug/L		96	69 - 131
Chlorobromomethane	10.0	11.6		ug/L		116	60 - 141
Bromoform	10.0	14.0		ug/L		140	39 - 149
Bromomethane	10.0	8.35		ug/L		83	52 - 146
2-Butanone (MEK)	20.0	14.3		ug/L		71	59 - 133
Carbon disulfide	10.0	7.43		ug/L		74	32 - 177
Carbon tetrachloride	10.0	12.4		ug/L		124	59 - 147
Dibromochloromethane	10.0	11.9		ug/L		119	58 - 132
Chlorobenzene	10.0	10.8		ug/L		108	60 - 136
Chloroethane	10.0	7.23		ug/L		72	56 - 144
Chloroform	10.0	10.3		ug/L		103	69 - 128
Chloromethane	10.0	4.67		ug/L		47	32 - 151
1,1-Dichloroethane	10.0	9.82		ug/L		98	66 - 126
1,2-Dichloroethane	10.0	11.4		ug/L		114	66 - 140
1,1-Dichloroethene	10.0	8.73		ug/L		87	59 - 145
trans-1,2-Dichloroethene	10.0	9.65		ug/L		96	70 - 132
1,2-Dichloropropane	10.0	9.23		ug/L		92	72 - 125
cis-1,3-Dichloropropene	10.0	10.4		ug/L		104	60 - 135
trans-1,3-Dichloropropene	10.0	10.9		ug/L		109	63 - 133
Ethylbenzene	10.0	10.2		ug/L		102	68 - 128
2-Hexanone	20.0	13.7		ug/L		68	51 - 130
Methylene Chloride	10.0	8.06		ug/L		81	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	16.4		ug/L		82	56 - 142
Styrene	10.0	10.1		ug/L		101	68 - 133
1,1,2,2-Tetrachloroethane	10.0	11.5		ug/L		115	68 - 134
Tetrachloroethene	10.0	12.5		ug/L		125	61 - 142
Toluene	10.0	10.3		ug/L		103	67 - 130
1,1,1-Trichloroethane	10.0	11.6		ug/L		116	65 - 142
1,1,2-Trichloroethane	10.0	10.5		ug/L		105	68 - 130
Trichloroethene	10.0	11.2		ug/L		112	68 - 130
Vinyl acetate	10.0	6.30		ug/L		63	58 - 175
Vinyl chloride	10.0	7.15		ug/L		71	47 - 146
o-Xylene	10.0	10.5		ug/L		105	68 - 134
m-Xylene & p-Xylene	20.0	20.7		ug/L		104	67 - 132
Xylenes, Total	30.0	31.2		ug/L		104	68 - 132
cis-1,2-Dichloroethene	10.0	9.06		ug/L		91	69 - 129
Bromodichloromethane	10.0	10.6		ug/L		106	73 - 130
1,2-Dichloroethene, Total	20.0	18.7		ug/L		94	65 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*113*		*70 - 130*
Dibromofluoromethane	*117*		*62 - 130*
4-Bromofluorobenzene	*94*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*114*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 600-82388/6
Matrix: Water
Analysis Batch: 82388

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			06/26/12 12:41	1
Benzene	0.080	U	1.0	0.080	ug/L			06/26/12 12:41	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			06/26/12 12:41	1
Bromoform	0.19	U	1.0	0.19	ug/L			06/26/12 12:41	1
Bromomethane	0.25	U	2.0	0.25	ug/L			06/26/12 12:41	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			06/26/12 12:41	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			06/26/12 12:41	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			06/26/12 12:41	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			06/26/12 12:41	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			06/26/12 12:41	1
Chloroethane	0.080	U	2.0	0.080	ug/L			06/26/12 12:41	1
Chloroform	0.13	U	1.0	0.13	ug/L			06/26/12 12:41	1
Chloromethane	0.18	U	2.0	0.18	ug/L			06/26/12 12:41	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			06/26/12 12:41	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			06/26/12 12:41	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/12 12:41	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			06/26/12 12:41	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			06/26/12 12:41	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			06/26/12 12:41	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			06/26/12 12:41	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			06/26/12 12:41	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			06/26/12 12:41	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			06/26/12 12:41	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			06/26/12 12:41	1
Styrene	0.070	U	1.0	0.070	ug/L			06/26/12 12:41	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			06/26/12 12:41	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			06/26/12 12:41	1
Toluene	0.15	U	1.0	0.15	ug/L			06/26/12 12:41	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			06/26/12 12:41	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			06/26/12 12:41	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			06/26/12 12:41	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			06/26/12 12:41	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			06/26/12 12:41	1
o-Xylene	0.12	U	1.0	0.12	ug/L			06/26/12 12:41	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			06/26/12 12:41	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			06/26/12 12:41	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			06/26/12 12:41	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			06/26/12 12:41	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			06/26/12 12:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*84*		*70 - 130*		*06/26/12 12:41*	*1*
Dibromofluoromethane	*80*		*62 - 130*		*06/26/12 12:41*	*1*
4-Bromofluorobenzene	*87*		*67 - 139*		*06/26/12 12:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*78*		*50 - 134*		*06/26/12 12:41*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-82388/4
Matrix: Water
Analysis Batch: 82388

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	17.4		ug/L		87	28 - 152
Benzene	10.0	10.3		ug/L		103	69 - 131
Chlorobromomethane	10.0	10.0		ug/L		100	60 - 141
Bromoform	10.0	8.90		ug/L		89	39 - 149
Bromomethane	10.0	7.93		ug/L		79	52 - 146
2-Butanone (MEK)	20.0	17.8		ug/L		89	59 - 133
Carbon disulfide	10.0	10.9		ug/L		109	32 - 177
Carbon tetrachloride	10.0	11.2		ug/L		112	59 - 147
Dibromochloromethane	10.0	8.94		ug/L		89	58 - 132
Chlorobenzene	10.0	10.5		ug/L		105	60 - 136
Chloroethane	10.0	8.60		ug/L		86	56 - 144
Chloroform	10.0	9.95		ug/L		100	69 - 128
Chloromethane	10.0	7.83		ug/L		78	32 - 151
1,1-Dichloroethane	10.0	10.8		ug/L		108	66 - 126
1,2-Dichloroethane	10.0	10.5		ug/L		105	66 - 140
1,1-Dichloroethene	10.0	10.3		ug/L		103	59 - 145
trans-1,2-Dichloroethene	10.0	10.4		ug/L		104	70 - 132
1,2-Dichloropropane	10.0	10.4		ug/L		104	72 - 125
cis-1,3-Dichloropropene	10.0	9.24		ug/L		92	60 - 135
trans-1,3-Dichloropropene	10.0	9.53		ug/L		95	63 - 133
Ethylbenzene	10.0	10.0		ug/L		100	68 - 128
2-Hexanone	20.0	18.9		ug/L		94	51 - 130
Methylene Chloride	10.0	11.5		ug/L		115	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	18.7		ug/L		94	56 - 142
Styrene	10.0	10.1		ug/L		101	68 - 133
1,1,2,2-Tetrachloroethane	10.0	9.87		ug/L		99	68 - 134
Tetrachloroethene	10.0	10.4		ug/L		104	61 - 142
Toluene	10.0	10.0		ug/L		100	67 - 130
1,1,1-Trichloroethane	10.0	10.9		ug/L		109	65 - 142
1,1,2-Trichloroethane	10.0	10.1		ug/L		101	68 - 130
Trichloroethene	10.0	10.3		ug/L		103	68 - 130
Vinyl acetate	10.0	6.70		ug/L		67	58 - 175
Vinyl chloride	10.0	7.30		ug/L		73	47 - 146
o-Xylene	10.0	10.6		ug/L		106	68 - 134
m-Xylene & p-Xylene	20.0	20.9		ug/L		104	67 - 132
Xylenes, Total	30.0	31.5		ug/L		105	68 - 132
cis-1,2-Dichloroethene	10.0	9.79		ug/L		98	69 - 129
Bromodichloromethane	10.0	9.76		ug/L		98	73 - 130
1,2-Dichloroethene, Total	20.0	20.2		ug/L		101	65 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*86*		*70 - 130*
Dibromofluoromethane	*88*		*62 - 130*
4-Bromofluorobenzene	*90*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*80*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 600-82389/4
Matrix: Water
Analysis Batch: 82389

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			06/26/12 13:23	1
Benzene	0.080	U	1.0	0.080	ug/L			06/26/12 13:23	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			06/26/12 13:23	1
Bromoform	0.19	U	1.0	0.19	ug/L			06/26/12 13:23	1
Bromomethane	0.25	U	2.0	0.25	ug/L			06/26/12 13:23	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			06/26/12 13:23	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			06/26/12 13:23	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			06/26/12 13:23	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			06/26/12 13:23	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			06/26/12 13:23	1
Chloroethane	0.080	U	2.0	0.080	ug/L			06/26/12 13:23	1
Chloroform	0.13	U	1.0	0.13	ug/L			06/26/12 13:23	1
Chloromethane	0.18	U	2.0	0.18	ug/L			06/26/12 13:23	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			06/26/12 13:23	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			06/26/12 13:23	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/12 13:23	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			06/26/12 13:23	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			06/26/12 13:23	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			06/26/12 13:23	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			06/26/12 13:23	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			06/26/12 13:23	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			06/26/12 13:23	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			06/26/12 13:23	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			06/26/12 13:23	1
Styrene	0.070	U	1.0	0.070	ug/L			06/26/12 13:23	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			06/26/12 13:23	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			06/26/12 13:23	1
Toluene	0.15	U	1.0	0.15	ug/L			06/26/12 13:23	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			06/26/12 13:23	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			06/26/12 13:23	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			06/26/12 13:23	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			06/26/12 13:23	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			06/26/12 13:23	1
o-Xylene	0.12	U	1.0	0.12	ug/L			06/26/12 13:23	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			06/26/12 13:23	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			06/26/12 13:23	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			06/26/12 13:23	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			06/26/12 13:23	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			06/26/12 13:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*70 - 130*		*06/26/12 13:23*	*1*
Dibromofluoromethane	*115*		*62 - 130*		*06/26/12 13:23*	*1*
4-Bromofluorobenzene	*92*		*67 - 139*		*06/26/12 13:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*50 - 134*		*06/26/12 13:23*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-82389/3
Matrix: Water
Analysis Batch: 82389

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	16.7		ug/L		83	28 - 152
Benzene	10.0	9.61		ug/L		96	69 - 131
Chlorobromomethane	10.0	13.0		ug/L		130	60 - 141
Bromoform	10.0	13.0		ug/L		130	39 - 149
Bromomethane	10.0	8.59		ug/L		86	52 - 146
2-Butanone (MEK)	20.0	17.4		ug/L		87	59 - 133
Carbon disulfide	10.0	7.01		ug/L		70	32 - 177
Carbon tetrachloride	10.0	13.4		ug/L		134	59 - 147
Dibromochloromethane	10.0	11.8		ug/L		118	58 - 132
Chlorobenzene	10.0	10.4		ug/L		104	60 - 136
Chloroethane	10.0	7.32		ug/L		73	56 - 144
Chloroform	10.0	9.95		ug/L		99	69 - 128
Chloromethane	10.0	4.95		ug/L		49	32 - 151
1,1-Dichloroethane	10.0	10.2		ug/L		102	66 - 126
1,2-Dichloroethane	10.0	12.4		ug/L		124	66 - 140
1,1-Dichloroethene	10.0	9.03		ug/L		90	59 - 145
trans-1,2-Dichloroethene	10.0	10.4		ug/L		104	70 - 132
1,2-Dichloropropane	10.0	9.46		ug/L		95	72 - 125
cis-1,3-Dichloropropene	10.0	10.2		ug/L		102	60 - 135
trans-1,3-Dichloropropene	10.0	11.6		ug/L		116	63 - 133
Ethylbenzene	10.0	9.61		ug/L		96	68 - 128
2-Hexanone	20.0	14.2		ug/L		71	51 - 130
Methylene Chloride	10.0	8.48		ug/L		85	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	16.4		ug/L		82	56 - 142
Styrene	10.0	10.2		ug/L		102	68 - 133
1,1,2,2-Tetrachloroethane	10.0	11.4		ug/L		114	68 - 134
Tetrachloroethene	10.0	12.1		ug/L		121	61 - 142
Toluene	10.0	9.50		ug/L		95	67 - 130
1,1,1-Trichloroethane	10.0	12.2		ug/L		122	65 - 142
1,1,2-Trichloroethane	10.0	9.95		ug/L		99	68 - 130
Trichloroethene	10.0	11.5		ug/L		115	68 - 130
Vinyl acetate	10.0	6.39		ug/L		64	58 - 175
Vinyl chloride	10.0	7.68		ug/L		77	47 - 146
o-Xylene	10.0	9.93		ug/L		99	68 - 134
m-Xylene & p-Xylene	20.0	19.3		ug/L		96	67 - 132
Xylenes, Total	30.0	29.2		ug/L		97	68 - 132
cis-1,2-Dichloroethene	10.0	9.70		ug/L		97	69 - 129
Bromodichloromethane	10.0	10.2		ug/L		102	73 - 130
1,2-Dichloroethene, Total	20.0	20.1		ug/L		101	65 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*102*		*70 - 130*
Dibromofluoromethane	*126*		*62 - 130*
4-Bromofluorobenzene	*93*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*127*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 600-82462/3
Matrix: Water
Analysis Batch: 82462

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			06/27/12 00:57	1
Benzene	0.080	U	1.0	0.080	ug/L			06/27/12 00:57	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			06/27/12 00:57	1
Bromoform	0.19	U	1.0	0.19	ug/L			06/27/12 00:57	1
Bromomethane	0.25	U	2.0	0.25	ug/L			06/27/12 00:57	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			06/27/12 00:57	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			06/27/12 00:57	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			06/27/12 00:57	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			06/27/12 00:57	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			06/27/12 00:57	1
Chloroethane	0.080	U	2.0	0.080	ug/L			06/27/12 00:57	1
Chloroform	0.13	U	1.0	0.13	ug/L			06/27/12 00:57	1
Chloromethane	0.18	U	2.0	0.18	ug/L			06/27/12 00:57	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			06/27/12 00:57	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			06/27/12 00:57	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/27/12 00:57	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			06/27/12 00:57	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			06/27/12 00:57	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			06/27/12 00:57	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			06/27/12 00:57	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			06/27/12 00:57	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			06/27/12 00:57	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			06/27/12 00:57	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			06/27/12 00:57	1
Styrene	0.070	U	1.0	0.070	ug/L			06/27/12 00:57	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			06/27/12 00:57	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			06/27/12 00:57	1
Toluene	0.15	U	1.0	0.15	ug/L			06/27/12 00:57	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			06/27/12 00:57	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			06/27/12 00:57	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			06/27/12 00:57	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			06/27/12 00:57	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			06/27/12 00:57	1
o-Xylene	0.12	U	1.0	0.12	ug/L			06/27/12 00:57	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			06/27/12 00:57	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			06/27/12 00:57	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			06/27/12 00:57	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			06/27/12 00:57	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			06/27/12 00:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*84*		*70 - 130*		*06/27/12 00:57*	*1*
Dibromofluoromethane	*80*		*62 - 130*		*06/27/12 00:57*	*1*
4-Bromofluorobenzene	*89*		*67 - 139*		*06/27/12 00:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*79*		*50 - 134*		*06/27/12 00:57*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-82462/22
Matrix: Water
Analysis Batch: 82462

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	18.3		ug/L		92	28 - 152
Benzene	10.0	10.5		ug/L		105	69 - 131
Chlorobromomethane	10.0	9.98		ug/L		100	60 - 141
Bromoform	10.0	8.93		ug/L		89	39 - 149
Bromomethane	10.0	7.71		ug/L		77	52 - 146
2-Butanone (MEK)	20.0	18.0		ug/L		90	59 - 133
Carbon disulfide	10.0	10.8		ug/L		108	32 - 177
Carbon tetrachloride	10.0	11.8		ug/L		118	59 - 147
Dibromochloromethane	10.0	8.46		ug/L		85	58 - 132
Chlorobenzene	10.0	11.0		ug/L		110	60 - 136
Chloroethane	10.0	8.19		ug/L		82	56 - 144
Chloroform	10.0	10.4		ug/L		104	69 - 128
Chloromethane	10.0	7.89		ug/L		79	32 - 151
1,1-Dichloroethane	10.0	10.9		ug/L		109	66 - 126
1,2-Dichloroethane	10.0	11.2		ug/L		112	66 - 140
1,1-Dichloroethene	10.0	10.9		ug/L		109	59 - 145
trans-1,2-Dichloroethene	10.0	10.5		ug/L		105	70 - 132
1,2-Dichloropropane	10.0	10.6		ug/L		106	72 - 125
cis-1,3-Dichloropropene	10.0	9.07		ug/L		91	60 - 135
trans-1,3-Dichloropropene	10.0	9.33		ug/L		93	63 - 133
Ethylbenzene	10.0	10.3		ug/L		103	68 - 128
2-Hexanone	20.0	19.7		ug/L		99	51 - 130
Methylene Chloride	10.0	10.5		ug/L		105	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	18.5		ug/L		93	56 - 142
Styrene	10.0	10.4		ug/L		104	68 - 133
1,1,2,2-Tetrachloroethane	10.0	10.2		ug/L		102	68 - 134
Tetrachloroethene	10.0	10.6		ug/L		106	61 - 142
Toluene	10.0	10.4		ug/L		104	67 - 130
1,1,1-Trichloroethane	10.0	11.3		ug/L		113	65 - 142
1,1,2-Trichloroethane	10.0	9.51		ug/L		95	68 - 130
Trichloroethene	10.0	10.5		ug/L		105	68 - 130
Vinyl acetate	10.0	6.32		ug/L		63	58 - 175
Vinyl chloride	10.0	7.72		ug/L		77	47 - 146
o-Xylene	10.0	10.9		ug/L		109	68 - 134
m-Xylene & p-Xylene	20.0	21.9		ug/L		109	67 - 132
Xylenes, Total	30.0	32.8		ug/L		109	68 - 132
cis-1,2-Dichloroethene	10.0	9.83		ug/L		98	69 - 129
Bromodichloromethane	10.0	9.79		ug/L		98	73 - 130
1,2-Dichloroethene, Total	20.0	20.3		ug/L		102	65 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*84*		*70 - 130*
Dibromofluoromethane	*84*		*62 - 130*
4-Bromofluorobenzene	*91*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*84*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Lab Sample ID: 600-56881-5 MS
Matrix: Water
Analysis Batch: 82245

Client Sample ID: MW-11-NP-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone - DL	990		20000	16400		ug/L		82	60 - 140
Benzene - DL	140		10000	9560		ug/L		94	65 - 125
Chlorobromomethane - DL	180		10000	12900		ug/L		129	60 - 140
Bromoform - DL	190		10000	14200	F	ug/L		142	60 - 140
Bromomethane - DL	250		10000	6870		ug/L		69	60 - 140
2-Butanone (MEK) - DL	760		20000	18200		ug/L		91	60 - 140
Carbon disulfide - DL	240		10000	6470		ug/L		65	60 - 140
Carbon tetrachloride - DL	150		10000	12700		ug/L		127	60 - 140
Dibromochloromethane - DL	150		10000	12700		ug/L		127	60 - 140
Chlorobenzene - DL	320		10000	11200		ug/L		108	72 - 122
Chloroethane - DL	80		10000	7360		ug/L		74	60 - 140
Chloroform - DL	130		10000	10500		ug/L		105	60 - 140
Chloromethane - DL	180		10000	4380	F	ug/L		44	60 - 140
1,1-Dichloroethane - DL	970		10000	10300		ug/L		93	60 - 140
1,2-Dichloroethane - DL	2800		10000	15000		ug/L		122	60 - 140
1,1-Dichloroethene - DL	410		10000	8940		ug/L		85	22 - 143
trans-1,2-Dichloroethene - DL	1400		10000	11600		ug/L		102	60 - 140
1,2-Dichloropropane - DL	160		10000	9350		ug/L		93	60 - 140
cis-1,3-Dichloropropene - DL	180		10000	11200		ug/L		112	60 - 140
trans-1,3-Dichloropropene - DL	210		10000	12200		ug/L		122	60 - 140
Ethylbenzene - DL	110		10000	10300		ug/L		103	60 - 140
2-Hexanone - DL	350		20000	14200		ug/L		71	60 - 140
Methylene Chloride - DL	150		10000	8560		ug/L		86	60 - 140
4-Methyl-2-pentanone (MIBK) - DL	450		20000	18200		ug/L		91	60 - 140
Styrene - DL	70		10000	10900		ug/L		109	60 - 140
1,1,2,2-Tetrachloroethane - DL	220		10000	12600		ug/L		126	60 - 140
Tetrachloroethene - DL	150		10000	12700		ug/L		126	60 - 140
Toluene - DL	150		10000	10100		ug/L		101	76 - 125
1,1,1-Trichloroethane - DL	150		10000	11700		ug/L		117	60 - 140
1,1,2-Trichloroethane - DL	280		10000	11800		ug/L		118	60 - 140
Trichloroethene - DL	610		10000	12000		ug/L		114	56 - 118
Vinyl acetate - DL	210		10000	6660		ug/L		67	60 - 140
Vinyl chloride - DL	17000		10000	24500		ug/L		74	60 - 140
o-Xylene - DL	120		10000	10500		ug/L		105	60 - 140
m-Xylene & p-Xylene - DL	170		20000	20500		ug/L		102	60 - 140
Xylenes, Total - DL	260		30000	31000		ug/L		103	60 - 140
cis-1,2-Dichloroethene - DL	2700		10000	12500		ug/L		98	60 - 140
Bromodichloromethane - DL	160		10000	11100		ug/L		111	60 - 140
1,2-Dichloroethene, Total - DL	4100		20000	24100		ug/L		100	60 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr) - DL	*120*		*70 - 130*
Dibromofluoromethane - DL	*124*		*62 - 130*
4-Bromofluorobenzene - DL	*101*		*67 - 139*
1,2-Dichloroethane-d4 (Surr) - DL	*124*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Lab Sample ID: 600-56881-5 MSD
Matrix: Water
Analysis Batch: 82245

Client Sample ID: MW-11-NP-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone - DL	990		20000	17900		ug/L		89	60 - 140	9	30
Benzene - DL	140		10000	9300		ug/L		92	65 - 125	3	30
Chlorobromomethane - DL	180		10000	13000		ug/L		130	60 - 140	0	30
Bromoform - DL	190		10000	14200	F	ug/L		142	60 - 140	0	30
Bromomethane - DL	250		10000	7490		ug/L		75	60 - 140	9	30
2-Butanone (MEK) - DL	760		20000	14500		ug/L		72	60 - 140	23	30
Carbon disulfide - DL	240		10000	6510		ug/L		65	60 - 140	1	30
Carbon tetrachloride - DL	150		10000	11800		ug/L		118	60 - 140	7	30
Dibromochloromethane - DL	150		10000	12100		ug/L		121	60 - 140	5	30
Chlorobenzene - DL	320		10000	10400		ug/L		101	72 - 122	7	30
Chloroethane - DL	80		10000	7200		ug/L		72	60 - 140	2	30
Chloroform - DL	130		10000	10100		ug/L		101	60 - 140	3	30
Chloromethane - DL	180		10000	4490	F	ug/L		45	60 - 140	2	30
1,1-Dichloroethane - DL	970		10000	10600		ug/L		97	60 - 140	3	30
1,2-Dichloroethane - DL	2800		10000	14500		ug/L		117	60 - 140	3	30
1,1-Dichloroethene - DL	410		10000	9200		ug/L		88	22 - 143	3	30
trans-1,2-Dichloroethene - DL	1400		10000	12000		ug/L		105	60 - 140	3	30
1,2-Dichloropropane - DL	160		10000	9400		ug/L		94	60 - 140	1	30
cis-1,3-Dichloropropene - DL	180		10000	10500		ug/L		105	60 - 140	6	30
trans-1,3-Dichloropropene - DL	210		10000	10700		ug/L		107	60 - 140	13	30
Ethylbenzene - DL	110		10000	9620		ug/L		96	60 - 140	7	30
2-Hexanone - DL	350		20000	14200		ug/L		71	60 - 140	0	30
Methylene Chloride - DL	150		10000	8400		ug/L		84	60 - 140	2	30
4-Methyl-2-pentanone (MIBK) - DL	450		20000	18300		ug/L		92	60 - 140	1	30
Styrene - DL	70		10000	10000		ug/L		100	60 - 140	8	30
1,1,2,2-Tetrachloroethane - DL	220		10000	12100		ug/L		121	60 - 140	4	30
Tetrachloroethene - DL	150		10000	11700		ug/L		116	60 - 140	8	30
Toluene - DL	150		10000	9580		ug/L		96	76 - 125	6	30
1,1,1-Trichloroethane - DL	150		10000	11500		ug/L		115	60 - 140	2	30
1,1,2-Trichloroethane - DL	280		10000	10300		ug/L		103	60 - 140	14	30
Trichloroethene - DL	610		10000	11200		ug/L		106	56 - 118	7	30
Vinyl acetate - DL	210		10000	7340		ug/L		73	60 - 140	10	30
Vinyl chloride - DL	17000		10000	24400		ug/L		73	60 - 140	1	30
o-Xylene - DL	120		10000	9770		ug/L		98	60 - 140	8	30
m-Xylene & p-Xylene - DL	170		20000	19400		ug/L		97	60 - 140	6	30
Xylenes, Total - DL	260		30000	29200		ug/L		97	60 - 140	6	30
cis-1,2-Dichloroethene - DL	2700		10000	12500		ug/L		98	60 - 140	0	30
Bromodichloromethane - DL	160		10000	10800		ug/L		108	60 - 140	3	30
1,2-Dichloroethene, Total - DL	4100		20000	24500		ug/L		102	60 - 140	2	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr) - DL	*98*		*70 - 130*
Dibromofluoromethane - DL	*121*		*62 - 130*
4-Bromofluorobenzene - DL	*97*		*67 - 139*
1,2-Dichloroethane-d4 (Surr) - DL	*121*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Lab Sample ID: 600-56881-1 MS
Matrix: Water
Analysis Batch: 82388

Client Sample ID: MW-71-NP-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone - DL	990		20000	18800		ug/L		94	60 - 140
Benzene - DL	3100		10000	13000		ug/L		99	65 - 125
Chlorobromomethane - DL	180		10000	9190		ug/L		92	60 - 140
Bromoform - DL	190		10000	8570		ug/L		86	60 - 140
Bromomethane - DL	250		10000	7160		ug/L		72	60 - 140
2-Butanone (MEK) - DL	760		20000	16000		ug/L		80	60 - 140
Carbon disulfide - DL	240		10000	10100		ug/L		101	60 - 140
Carbon tetrachloride - DL	150		10000	11000		ug/L		110	60 - 140
Dibromochloromethane - DL	150		10000	8220		ug/L		82	60 - 140
Chlorobenzene - DL	120		10000	10400		ug/L		104	72 - 122
Chloroethane - DL	80		10000	7850		ug/L		78	60 - 140
Chloroform - DL	130		10000	9570		ug/L		96	60 - 140
Chloromethane - DL	180		10000	6670		ug/L		67	60 - 140
1,1-Dichloroethane - DL	990		10000	11500		ug/L		105	60 - 140
1,2-Dichloroethane - DL	140		10000	10100		ug/L		101	60 - 140
1,1-Dichloroethene - DL	190		10000	10300		ug/L		103	22 - 143
trans-1,2-Dichloroethene - DL	130		10000	9710		ug/L		96	60 - 140
1,2-Dichloropropane - DL	160		10000	9940		ug/L		99	60 - 140
cis-1,3-Dichloropropene - DL	180		10000	8650		ug/L		86	60 - 140
trans-1,3-Dichloropropene - DL	210		10000	8820		ug/L		88	60 - 140
Ethylbenzene - DL	420		10000	10200		ug/L		97	60 - 140
2-Hexanone - DL	350		20000	18500		ug/L		92	60 - 140
Methylene Chloride - DL	180		10000	9690		ug/L		95	60 - 140
4-Methyl-2-pentanone (MIBK) - DL	450		20000	18100		ug/L		90	60 - 140
Styrene - DL	70		10000	10100		ug/L		101	60 - 140
1,1,2,2-Tetrachloroethane - DL	220		10000	9460		ug/L		95	60 - 140
Tetrachloroethene - DL	130		10000	10200		ug/L		102	60 - 140
Toluene - DL	150		10000	9960		ug/L		100	76 - 125
1,1,1-Trichloroethane - DL	150		10000	10400		ug/L		104	60 - 140
1,1,2-Trichloroethane - DL	280		10000	9790		ug/L		98	60 - 140
Trichloroethene - DL	400		10000	11300		ug/L		109	56 - 118
Vinyl acetate - DL	210		10000	6130		ug/L		61	60 - 140
Vinyl chloride - DL	22000		10000	26600	F	ug/L		51	60 - 140
o-Xylene - DL	120		10000	10600		ug/L		106	60 - 140
m-Xylene & p-Xylene - DL	170		20000	20800		ug/L		104	60 - 140
Xylenes, Total - DL	260		30000	31400		ug/L		105	60 - 140
cis-1,2-Dichloroethene - DL	120		10000	9750		ug/L		96	60 - 140
Bromodichloromethane - DL	160		10000	9280		ug/L		93	60 - 140
1,2-Dichloroethene, Total - DL	300		20000	19500		ug/L		97	60 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr) - DL	*85*		*70 - 130*
Dibromofluoromethane - DL	*84*		*62 - 130*
4-Bromofluorobenzene - DL	*88*		*67 - 139*
1,2-Dichloroethane-d4 (Surr) - DL	*80*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Lab Sample ID: 600-56881-1 MSD
Matrix: Water
Analysis Batch: 82388

Client Sample ID: MW-71-NP-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone - DL	990		20000	21500		ug/L		108	60 - 140	14	30
Benzene - DL	3100		10000	13600		ug/L		105	65 - 125	4	30
Chlorobromomethane - DL	180		10000	9620		ug/L		96	60 - 140	5	30
Bromoform - DL	190		10000	9330		ug/L		93	60 - 140	8	30
Bromomethane - DL	250		10000	7680		ug/L		77	60 - 140	7	30
2-Butanone (MEK) - DL	760		20000	17800		ug/L		89	60 - 140	11	30
Carbon disulfide - DL	240		10000	11000		ug/L		110	60 - 140	8	30
Carbon tetrachloride - DL	150		10000	11800		ug/L		118	60 - 140	7	30
Dibromochloromethane - DL	150		10000	9400		ug/L		94	60 - 140	13	30
Chlorobenzene - DL	120		10000	11600		ug/L		116	72 - 122	11	30
Chloroethane - DL	80		10000	8260		ug/L		83	60 - 140	5	30
Chloroform - DL	130		10000	10500		ug/L		105	60 - 140	10	30
Chloromethane - DL	180		10000	7720		ug/L		77	60 - 140	15	30
1,1-Dichloroethane - DL	990		10000	11900		ug/L		109	60 - 140	4	30
1,2-Dichloroethane - DL	140		10000	10600		ug/L		106	60 - 140	4	30
1,1-Dichloroethene - DL	190		10000	10500		ug/L		105	22 - 143	2	30
trans-1,2-Dichloroethene - DL	130		10000	10500		ug/L		104	60 - 140	8	30
1,2-Dichloropropane - DL	160		10000	10600		ug/L		106	60 - 140	7	30
cis-1,3-Dichloropropene - DL	180		10000	9430		ug/L		94	60 - 140	9	30
trans-1,3-Dichloropropene - DL	210		10000	9850		ug/L		98	60 - 140	11	30
Ethylbenzene - DL	420		10000	11100		ug/L		107	60 - 140	9	30
2-Hexanone - DL	350		20000	21500		ug/L		107	60 - 140	15	30
Methylene Chloride - DL	180		10000	10400		ug/L		102	60 - 140	7	30
4-Methyl-2-pentanone (MIBK) - DL	450		20000	19300		ug/L		96	60 - 140	6	30
Styrene - DL	70		10000	10900		ug/L		109	60 - 140	7	30
1,1,2,2-Tetrachloroethane - DL	220		10000	10200		ug/L		102	60 - 140	8	30
Tetrachloroethene - DL	130		10000	10900		ug/L		109	60 - 140	7	30
Toluene - DL	150		10000	10700		ug/L		107	76 - 125	7	30
1,1,1-Trichloroethane - DL	150		10000	11300		ug/L		113	60 - 140	8	30
1,1,2-Trichloroethane - DL	280		10000	10600		ug/L		106	60 - 140	8	30
Trichloroethene - DL	400		10000	10700		ug/L		103	56 - 118	5	30
Vinyl acetate - DL	210		10000	6600		ug/L		66	60 - 140	7	30
Vinyl chloride - DL	22000		10000	28800		ug/L		72	60 - 140	8	30
o-Xylene - DL	120		10000	11600		ug/L		116	60 - 140	9	30
m-Xylene & p-Xylene - DL	170		20000	22200		ug/L		111	60 - 140	7	30
Xylenes, Total - DL	260		30000	33800		ug/L		113	60 - 140	7	30
cis-1,2-Dichloroethene - DL	120		10000	9870		ug/L		97	60 - 140	1	30
Bromodichloromethane - DL	160		10000	10500		ug/L		105	60 - 140	13	30
1,2-Dichloroethene, Total - DL	300		20000	20400		ug/L		102	60 - 140	5	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr) - DL	*85*		*70 - 130*
Dibromofluoromethane - DL	*83*		*62 - 130*
4-Bromofluorobenzene - DL	*88*		*67 - 139*
1,2-Dichloroethane-d4 (Surr) - DL	*79*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Lab Sample ID: 600-56881-3 MS
Matrix: Water
Analysis Batch: 82389

Client Sample ID: MW-65-NP-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone - DL	9900		200000	156000		ug/L		78	60 - 140
Benzene - DL	1900		100000	90600		ug/L		89	65 - 125
Chlorobromomethane - DL	1800		100000	112000		ug/L		112	60 - 140
Bromoform - DL	1900		100000	105000		ug/L		105	60 - 140
Bromomethane - DL	2500		100000	50500	F	ug/L		50	60 - 140
2-Butanone (MEK) - DL	7600		200000	165000		ug/L		83	60 - 140
Carbon disulfide - DL	2400		100000	58800	F	ug/L		59	60 - 140
Carbon tetrachloride - DL	1500		100000	110000		ug/L		110	60 - 140
Dibromochloromethane - DL	1500		100000	107000		ug/L		107	60 - 140
Chlorobenzene - DL	1200		100000	92700		ug/L		93	72 - 122
Chloroethane - DL	800		100000	64200		ug/L		64	60 - 140
Chloroform - DL	1300		100000	90900		ug/L		91	60 - 140
Chloromethane - DL	1800		100000	30200	F	ug/L		30	60 - 140
1,1-Dichloroethane - DL	2300		100000	85300		ug/L		83	60 - 140
1,2-Dichloroethane - DL	1400		100000	109000		ug/L		109	60 - 140
1,1-Dichloroethene - DL	1900		100000	77400		ug/L		77	22 - 143
trans-1,2-Dichloroethene - DL	1900		100000	89300		ug/L		87	60 - 140
1,2-Dichloropropane - DL	1600		100000	88500		ug/L		89	60 - 140
cis-1,3-Dichloropropene - DL	1800		100000	94900		ug/L		95	60 - 140
trans-1,3-Dichloropropene - DL	2100		100000	106000		ug/L		106	60 - 140
Ethylbenzene - DL	1100		100000	88100		ug/L		88	60 - 140
2-Hexanone - DL	3500		200000	166000		ug/L		83	60 - 140
Methylene Chloride - DL	1500		100000	71300		ug/L		71	60 - 140
4-Methyl-2-pentanone (MIBK) - DL	4500		200000	162000		ug/L		77	60 - 140
Styrene - DL	700		100000	93100		ug/L		93	60 - 140
1,1,2,2-Tetrachloroethane - DL	2200		100000	112000		ug/L		112	60 - 140
Tetrachloroethene - DL	1300		100000	102000		ug/L		102	60 - 140
Toluene - DL	1500		100000	86400		ug/L		86	76 - 125
1,1,1-Trichloroethane - DL	1500		100000	104000		ug/L		104	60 - 140
1,1,2-Trichloroethane - DL	2800		100000	90800		ug/L		91	60 - 140
Trichloroethene - DL	1800		100000	98800		ug/L		99	56 - 118
Vinyl acetate - DL	2100		100000	63900		ug/L		64	60 - 140
Vinyl chloride - DL	110000		100000	153000	F	ug/L		41	60 - 140
o-Xylene - DL	1200		100000	91300		ug/L		91	60 - 140
m-Xylene & p-Xylene - DL	1700		200000	180000		ug/L		90	60 - 140
Xylenes, Total - DL	2600		300000	271000		ug/L		90	60 - 140
cis-1,2-Dichloroethene - DL	600		100000	87300		ug/L		87	60 - 140
Bromodichloromethane - DL	1600		100000	93100		ug/L		93	60 - 140
1,2-Dichloroethene, Total - DL	3000		200000	177000		ug/L		88	60 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr) - DL	*107*		*70 - 130*
Dibromofluoromethane - DL	*116*		*62 - 130*
4-Bromofluorobenzene - DL	*96*		*67 - 139*
1,2-Dichloroethane-d4 (Surr) - DL	*114*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Lab Sample ID: 600-56881-3 MSD
Matrix: Water
Analysis Batch: 82389

Client Sample ID: MW-65-NP-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone - DL	9900		200000	179000		ug/L		90	60 - 140	14	30
Benzene - DL	1900		100000	96700		ug/L		95	65 - 125	7	30
Chlorobromomethane - DL	1800		100000	116000		ug/L		116	60 - 140	4	30
Bromoform - DL	1900		100000	113000		ug/L		113	60 - 140	7	30
Bromomethane - DL	2500		100000	69600	F	ug/L		70	60 - 140	32	30
2-Butanone (MEK) - DL	7600		200000	163000		ug/L		82	60 - 140	1	30
Carbon disulfide - DL	2400		100000	67300		ug/L		67	60 - 140	14	30
Carbon tetrachloride - DL	1500		100000	120000		ug/L		120	60 - 140	9	30
Dibromochloromethane - DL	1500		100000	106000		ug/L		106	60 - 140	1	30
Chlorobenzene - DL	1200		100000	99700		ug/L		100	72 - 122	7	30
Chloroethane - DL	800		100000	76100		ug/L		76	60 - 140	17	30
Chloroform - DL	1300		100000	94100		ug/L		94	60 - 140	3	30
Chloromethane - DL	1800		100000	36600	F	ug/L		37	60 - 140	19	30
1,1-Dichloroethane - DL	2300		100000	93300		ug/L		91	60 - 140	9	30
1,2-Dichloroethane - DL	1400		100000	112000		ug/L		112	60 - 140	3	30
1,1-Dichloroethene - DL	1900		100000	89800		ug/L		90	22 - 143	15	30
trans-1,2-Dichloroethene - DL	1900		100000	99700		ug/L		98	60 - 140	11	30
1,2-Dichloropropane - DL	1600		100000	91300		ug/L		91	60 - 140	3	30
cis-1,3-Dichloropropene - DL	1800		100000	99400		ug/L		99	60 - 140	5	30
trans-1,3-Dichloropropene - DL	2100		100000	115000		ug/L		115	60 - 140	9	30
Ethylbenzene - DL	1100		100000	95100		ug/L		95	60 - 140	8	30
2-Hexanone - DL	3500		200000	141000		ug/L		70	60 - 140	16	30
Methylene Chloride - DL	1500		100000	79800		ug/L		80	60 - 140	11	30
4-Methyl-2-pentanone (MIBK) - DL	4500		200000	166000		ug/L		79	60 - 140	2	30
Styrene - DL	700		100000	96200		ug/L		96	60 - 140	3	30
1,1,2,2-Tetrachloroethane - DL	2200		100000	111000		ug/L		111	60 - 140	1	30
Tetrachloroethene - DL	1300		100000	112000		ug/L		112	60 - 140	9	30
Toluene - DL	1500		100000	91600		ug/L		92	76 - 125	6	30
1,1,1-Trichloroethane - DL	1500		100000	115000		ug/L		115	60 - 140	10	30
1,1,2-Trichloroethane - DL	2800		100000	97900		ug/L		98	60 - 140	7	30
Trichloroethene - DL	1800		100000	105000		ug/L		105	56 - 118	6	30
Vinyl acetate - DL	2100		100000	66800		ug/L		67	60 - 140	4	30
Vinyl chloride - DL	110000		100000	173000		ug/L		61	60 - 140	12	30
o-Xylene - DL	1200		100000	99600		ug/L		100	60 - 140	9	30
m-Xylene & p-Xylene - DL	1700		200000	189000		ug/L		94	60 - 140	5	30
Xylenes, Total - DL	2600		300000	289000		ug/L		96	60 - 140	6	30
cis-1,2-Dichloroethene - DL	600		100000	91100		ug/L		91	60 - 140	4	30
Bromodichloromethane - DL	1600		100000	97200		ug/L		97	60 - 140	4	30
1,2-Dichloroethene, Total - DL	3000		200000	191000		ug/L		95	60 - 140	8	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr) - DL	*105*		*70 - 130*
Dibromofluoromethane - DL	*116*		*62 - 130*
4-Bromofluorobenzene - DL	*98*		*67 - 139*
1,2-Dichloroethane-d4 (Surr) - DL	*119*		*50 - 134*

QC Association Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-56881-1

GC/MS VOA

Analysis Batch: 82242

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-56881-1	MW-71-NP-3	Total/NA	Water	8260B	
600-56881-2 - DL	MW-8-NP-3	Total/NA	Water	8260B	
600-56881-3	MW-65-NP-3	Total/NA	Water	8260B	
600-56881-4 - DL	MW-40-NP-3	Total/NA	Water	8260B	
600-56881-5	MW-11-NP-3	Total/NA	Water	8260B	
600-56881-10	Trip Blank	Total/NA	Water	8260B	
LCS 600-82242/3	Lab Control Sample	Total/NA	Water	8260B	
MB 600-82242/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 82245

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-56881-4	MW-40-NP-3	Total/NA	Water	8260B	
600-56881-5 - DL	MW-11-NP-3	Total/NA	Water	8260B	
600-56881-5 MS - DL	MW-11-NP-3	Total/NA	Water	8260B	
600-56881-5 MSD - DL	MW-11-NP-3	Total/NA	Water	8260B	
LCS 600-82245/3	Lab Control Sample	Total/NA	Water	8260B	
MB 600-82245/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 82388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-56881-1 - DL	MW-71-NP-3	Total/NA	Water	8260B	
600-56881-1 MS - DL	MW-71-NP-3	Total/NA	Water	8260B	
600-56881-1 MSD - DL	MW-71-NP-3	Total/NA	Water	8260B	
LCS 600-82388/4	Lab Control Sample	Total/NA	Water	8260B	
MB 600-82388/6	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 82389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-56881-3 - DL	MW-65-NP-3	Total/NA	Water	8260B	
600-56881-3 MS - DL	MW-65-NP-3	Total/NA	Water	8260B	
600-56881-3 MSD - DL	MW-65-NP-3	Total/NA	Water	8260B	
LCS 600-82389/3	Lab Control Sample	Total/NA	Water	8260B	
MB 600-82389/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 82462

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-56881-2	MW-8-NP-3	Total/NA	Water	8260B	
600-56881-4 - DL	MW-40-NP-3	Total/NA	Water	8260B	
600-56881-6	MW-68-NP-3	Total/NA	Water	8260B	
600-56881-6 - DL	MW-68-NP-3	Total/NA	Water	8260B	
600-56881-7	MW-66-NP-3	Total/NA	Water	8260B	
600-56881-7 - DL	MW-66-NP-3	Total/NA	Water	8260B	
600-56881-8	MW-4-NP-3	Total/NA	Water	8260B	
600-56881-8 - DL	MW-4-NP-3	Total/NA	Water	8260B	
600-56881-9	MW-DUP-NP-3	Total/NA	Water	8260B	
600-56881-9 - DL	MW-DUP-NP-3	Total/NA	Water	8260B	
LCS 600-82462/22	Lab Control Sample	Total/NA	Water	8260B	
MB 600-82462/3	Method Blank	Total/NA	Water	8260B	

Lab Chronicle

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-56881-1

Client Sample ID: MW-71-NP-3 — Lab Sample ID: 600-56881-1

Date Collected: 06/20/12 08:30 — **Matrix: Water**
Date Received: 06/21/12 15:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		200	82242	06/24/12 21:18	KLV	TAL HOU
Total/NA	Analysis	8260B	DL	1000	82388	06/26/12 15:34	DT	TAL HOU

Client Sample ID: MW-8-NP-3 — Lab Sample ID: 600-56881-2

Date Collected: 06/20/12 09:38 — **Matrix: Water**
Date Received: 06/21/12 15:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	200	82242	06/24/12 21:47	KLV	TAL HOU
Total/NA	Analysis	8260B		20	82462	06/27/12 04:45	DT	TAL HOU

Client Sample ID: MW-65-NP-3 — Lab Sample ID: 600-56881-3

Date Collected: 06/20/12 10:36 — **Matrix: Water**
Date Received: 06/21/12 15:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		200	82242	06/24/12 22:15	KLV	TAL HOU
Total/NA	Analysis	8260B	DL	10000	82389	06/26/12 16:36	DT	TAL HOU

Client Sample ID: MW-40-NP-3 — Lab Sample ID: 600-56881-4

Date Collected: 06/20/12 12:55 — **Matrix: Water**
Date Received: 06/21/12 15:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	200	82242	06/24/12 22:43	KLV	TAL HOU
Total/NA	Analysis	8260B		5	82245	06/25/12 12:47	DT	TAL HOU
Total/NA	Analysis	8260B	DL	50	82462	06/27/12 01:54	DT	TAL HOU

Client Sample ID: MW-11-NP-3 — Lab Sample ID: 600-56881-5

Date Collected: 06/20/12 13:30 — **Matrix: Water**
Date Received: 06/21/12 15:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		200	82242	06/24/12 23:12	KLV	TAL HOU
Total/NA	Analysis	8260B	DL	1000	82245	06/25/12 16:05	DT	TAL HOU

Client Sample ID: MW-68-NP-3 — Lab Sample ID: 600-56881-6

Date Collected: 06/20/12 14:19 — **Matrix: Water**
Date Received: 06/21/12 15:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	82462	06/27/12 05:14	DT	TAL HOU

Lab Chronicle

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-56881-1

Client Sample ID: MW-68-NP-3 — Lab Sample ID: 600-56881-6

Date Collected: 06/20/12 14:19 — **Matrix: Water**
Date Received: 06/21/12 15:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	500	82462	06/27/12 05:43	DT	TAL HOU

Client Sample ID: MW-66-NP-3 — Lab Sample ID: 600-56881-7

Date Collected: 06/20/12 15:05 — **Matrix: Water**
Date Received: 06/21/12 15:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		200	82462	06/27/12 07:08	DT	TAL HOU
Total/NA	Analysis	8260B	DL	10000	82462	06/27/12 07:37	DT	TAL HOU

Client Sample ID: MW-4-NP-3 — Lab Sample ID: 600-56881-8

Date Collected: 06/20/12 15:45 — **Matrix: Water**
Date Received: 06/21/12 15:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		200	82462	06/27/12 08:05	DT	TAL HOU
Total/NA	Analysis	8260B	DL	20000	82462	06/27/12 08:34	DT	TAL HOU

Client Sample ID: MW-DUP-NP-3 — Lab Sample ID: 600-56881-9

Date Collected: 06/20/12 00:00 — **Matrix: Water**
Date Received: 06/21/12 15:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		100	82462	06/27/12 06:11	DT	TAL HOU
Total/NA	Analysis	8260B	DL	1000	82462	06/27/12 06:40	DT	TAL HOU

Client Sample ID: Trip Blank — Lab Sample ID: 600-56881-10

Date Collected: 06/20/12 00:00 — **Matrix: Water**
Date Received: 06/21/12 15:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	82242	06/24/12 20:49	KLV	TAL HOU

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Certification Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-56881-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Houston	Arkansas DEQ	State Program	6	88-0759
TestAmerica Houston	Louisiana	NELAC	6	30643
TestAmerica Houston	Oklahoma	State Program	6	9503
TestAmerica Houston	Texas	NELAC	6	T104704223-10-6-TX
TestAmerica Houston	USDA	Federal		P330-08-00217
TestAmerica Houston	Utah	NELAC	8	GULF

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-56881-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL HOU

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Sample Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-56881-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
600-56881-1	MW-71-NP-3	Water	06/20/12 08:30	06/21/12 15:31
600-56881-2	MW-8-NP-3	Water	06/20/12 09:38	06/21/12 15:31
600-56881-3	MW-65-NP-3	Water	06/20/12 10:36	06/21/12 15:31
600-56881-4	MW-40-NP-3	Water	06/20/12 12:55	06/21/12 15:31
600-56881-5	MW-11-NP-3	Water	06/20/12 13:30	06/21/12 15:31
600-56881-6	MW-68-NP-3	Water	06/20/12 14:19	06/21/12 15:31
600-56881-7	MW-66-NP-3	Water	06/20/12 15:05	06/21/12 15:31
600-56881-8	MW-4-NP-3	Water	06/20/12 15:45	06/21/12 15:31
600-56881-9	MW-DUP-NP-3	Water	06/20/12 00:00	06/21/12 15:31
600-56881-10	Trip Blank	Water	06/20/12 00:00	06/21/12 15:31

TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Phone (713) 690-4444 Fax (713) 690-5646

Chain of Custody Record

TestAmerica — THE LEADER IN ENVIRONMENTAL TESTING

Client Information

Client Contact: Ms. Kate Hamel
Company: Groundwater Services, Inc.
Address: 2211 Norfolk, Suite 1000
City: Houston
State, Zip: TX, 77098-4044
Phone: 713-522-6300(Tel)
Email: kchamel@gsi-net.com, tem@gsi-net.com
Project Name: G-3460
Site: N-80

Sampler: Lisa Molofsky
Phone: 520-730-2367
Lab PM: Kudchadkar, Sachin G
E-Mail: sachin.kudchadkar@testamericainc.com
Carrier Tracking No(s):
COC No: 600-11558-5028.1
Page: Page 1 of 1
Job #: G-3380

Due Date Requested:
TAT Requested (days): Standard TAT
PO #: Purchase Order not requir
WO #:
Project #: 60002425
SSOW#:

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B_LL - Target Compound List	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
MW-71-NP-3	6/20/12	8:30	G	Water			X		
MW-8-NP-3	"	9:38	"	Water			X		
MW-66-NP-3	"	10:36	"	Water			X		
MW-40-NP-3	"	12:55	"	Water			X		
MW-11-NP-3	"	13:30	"	Water			X		
MW-68-NP-3	"	14:19	"	Water			X		
MW-66-NP-3	"	15:05	"	Water			X		
MW-4-NP-3	"	15:45	"	Water			X		
MW-DUP-NP-3	"	—	"	Water			X		
Trip Blank				Water			X		
				Water					

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify) Standard

Special Instructions/QC Requirements: Standard QA/QC

Empty Kit Relinquished by: Date: Time:

Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Lisa Molofsky	6/20/12 18:00	CSI		6/21/12 1455	TA
	6/21/12 1526	TA			

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Login Sample Receipt Checklist

Client: Groundwater Services, Inc.

Job Number: 600-56881-1

Login Number: 56881

List Source: TestAmerica Houston

List Number: 1

Creator: Trenery, Michael J

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Tel: (713)690-4444

TestAmerica Job ID: 600-55476-1
Client Project/Site: G-3460 N-80

For:
Groundwater Services, Inc.
2211 Norfolk, Suite 1000
Houston, Texas 77098-4044

Attn: Ms. Kate Hamel

Lori Parsons

Authorized for release by:
6/6/2012 4:19:37 PM
Lori Parsons
Project Manager I
lori.parsons@testamericainc.com

Designee for

Sachin Kudchadkar
Project Manager II
sachin.kudchadkar@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-55476-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
*	LCS or LCSD exceeds the control limits
F	MS or MSD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 600-55476-1

Laboratory: TestAmerica Houston

Narrative

Job Narrative
600-55476-1

Comments
No additional comments.

Receipt
The samples were received on 5/23/2012 4:15 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.2º C.

GC/MS VOA
Method(s) 8260B: The following sample(s) was diluted due to the abundance of target analytes: MW-40-24-3 (600-55476-10), MW-40-PRE24-3 (600-55476-9), MW-66-24-3 (600-55476-14), MW-66-PRE24-3 (600-55476-13), MW-68-24-3 (600-55476-12), MW-68-PRE24-3 (600-55476-11). Elevated reporting limits (RLs) are provided.
Method(s) 8260B: The following sample(s) was diluted due to the abundance of target analytes: MW-65-24-3 (600-55476-4), MW-65-PRE24-3 (600-55476-3), MW-71-24-3 (600-55476-2), MW-8-PRE24-3 (600-55476-5). Elevated reporting limits (RLs) are provided.
Method(s) 8260B: The following sample(s) was diluted due to the abundance of target analytes: MW-8-24-3 (600-55476-6). Elevated reporting limits (RLs) are provided.
Method(s) 8260B: The following sample(s) was diluted due to the abundance of target analytes: MW-71-PRE24-3 (600-55476-1). Elevated reporting limits (RLs) are provided.
Method(s) 8260B: The following sample(s) was diluted due to the abundance of target analytes: MW-11-24-3 (600-55476-8), MW-11-PRE24-3 (600-55476-7), MW-4-PRE24-3 (600-55476-15). Elevated reporting limits (RLs) are provided.
Method(s) 8260B: The following sample(s) was diluted due to the abundance of target analytes: DUP-24-3 (600-55476-17), MW-65-24-3 (600-55476-4), MW-65-PRE24-3 (600-55476-3). Elevated reporting limits (RLs) are provided.
Method(s) 8260B: The following sample(s) was diluted due to the abundance of target analytes: MW-4-24-3 (600-55476-16). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The method blank for batch 80617 contained vinyl chloride above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 8260B: The method blank for preparation batch 80617 contained vinyl chloride above the reporting limit (RL). None of the samples associated with this method blank contained the target compound; therefore, re-extraction and/or re-analysis of samples were not performed.

Method(s) 8260B: The laboratory control sample (LCS) for batch 80617 exceeded control limits for the following analytes: Bromoform, Chlorodibromomethane, and Trans 1,3-Dichloropropene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260B: The laboratory control sample (LCS) for batch 80641 exceeded control limits for the following analytes: bromoform, carbon tetrachloride, chlorodibromomethane and trans-1,3-dichloropropene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries associated with batch 80617 were outside control limits: (600-55476-1 MS), (600-55476-1 MSD). Matrix interference is suspected.

Method(s) 8260B: The matrix spike duplicate (MSD) recoveries associated with batch 80485 was outside control limits: (600-55476-9 MSD). Matrix interference is suspected.

Method(s) 8260B: The continuing calibration verification (CCV) for bromoform, 1,2-dibromo-3-chloropropane and tran-1,3-dichloropropene associated with batch 80641 recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No other analytical or quality issues were noted.

Detection Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-55476-1

Client Sample ID: MW-71-PRE24-3 — Lab Sample ID: 600-55476-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4100		500	99	ug/L	100		8260B	Total/NA
Benzene	3400		100	8.0	ug/L	100		8260B	Total/NA
Chlorobenzene	110		100	12	ug/L	100		8260B	Total/NA
1,1-Dichloroethane	1100		100	11	ug/L	100		8260B	Total/NA
1,1-Dichloroethene	390		100	19	ug/L	100		8260B	Total/NA
trans-1,2-Dichloroethene	440		100	9.0	ug/L	100		8260B	Total/NA
Ethylbenzene	350		100	11	ug/L	100		8260B	Total/NA
Methylene Chloride	120	J	500	15	ug/L	100		8260B	Total/NA
Toluene	110		100	15	ug/L	100		8260B	Total/NA
1,1,2-Trichloroethane	2700		100	28	ug/L	100		8260B	Total/NA
Trichloroethene	110		100	18	ug/L	100		8260B	Total/NA
o-Xylene	17	J	100	12	ug/L	100		8260B	Total/NA
cis-1,2-Dichloroethene	490		100	6.0	ug/L	100		8260B	Total/NA
1,2-Dichloroethene, Total	930		100	30	ug/L	100		8260B	Total/NA
1,2-Dichloroethane - DL	16000		5000	700	ug/L	5000		8260B	Total/NA
Vinyl chloride - DL	59000		10000	550	ug/L	5000		8260B	Total/NA

Client Sample ID: MW-71-24-3 — Lab Sample ID: 600-55476-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3100		500	99	ug/L	100		8260B	Total/NA
Benzene	3800		100	8.0	ug/L	100		8260B	Total/NA
Chlorobenzene	140		100	12	ug/L	100		8260B	Total/NA
1,1-Dichloroethane	1100		100	11	ug/L	100		8260B	Total/NA
1,2-Dichloroethane	4700		100	14	ug/L	100		8260B	Total/NA
1,1-Dichloroethene	180		100	19	ug/L	100		8260B	Total/NA
trans-1,2-Dichloroethene	240		100	9.0	ug/L	100		8260B	Total/NA
Ethylbenzene	630		100	11	ug/L	100		8260B	Total/NA
Methylene Chloride	63	J	500	15	ug/L	100		8260B	Total/NA
Toluene	120		100	15	ug/L	100		8260B	Total/NA
1,1,2-Trichloroethane	630		100	28	ug/L	100		8260B	Total/NA
Trichloroethene	58	J	100	18	ug/L	100		8260B	Total/NA
cis-1,2-Dichloroethene	260		100	6.0	ug/L	100		8260B	Total/NA
1,2-Dichloroethene, Total	500		100	30	ug/L	100		8260B	Total/NA
Vinyl chloride - DL	48000		10000	550	ug/L	5000		8260B	Total/NA

Client Sample ID: MW-65-PRE24-3 — Lab Sample ID: 600-55476-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	3000		100	8.0	ug/L	100		8260B	Total/NA
Carbon disulfide	130	J	200	24	ug/L	100		8260B	Total/NA
Chlorobenzene	990		100	12	ug/L	100		8260B	Total/NA
Chloroform	46	J	100	13	ug/L	100		8260B	Total/NA
1,1-Dichloroethane	2500		100	11	ug/L	100		8260B	Total/NA
1,2-Dichloroethane	240		100	14	ug/L	100		8260B	Total/NA
1,1-Dichloroethene	1200		100	19	ug/L	100		8260B	Total/NA
trans-1,2-Dichloroethene	4200		100	9.0	ug/L	100		8260B	Total/NA
Ethylbenzene	680		100	11	ug/L	100		8260B	Total/NA
Methylene Chloride	16	J	500	15	ug/L	100		8260B	Total/NA
Styrene	20	J	100	7.0	ug/L	100		8260B	Total/NA
Tetrachloroethene	97	J	100	13	ug/L	100		8260B	Total/NA
Toluene	230		100	15	ug/L	100		8260B	Total/NA
Trichloroethene	460		100	18	ug/L	100		8260B	Total/NA

Client Sample ID: MW-65-PRE24-3 (Continued) — Lab Sample ID: 600-55476-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
o-Xylene	23	J	100	12	ug/L	100		8260B	Total/NA
m-Xylene & p-Xylene	47	J	100	17	ug/L	100		8260B	Total/NA
Xylenes, Total	70	J	100	26	ug/L	100		8260B	Total/NA
cis-1,2-Dichloroethene	680		100	6.0	ug/L	100		8260B	Total/NA
1,2-Dichloroethene, Total	4900		100	30	ug/L	100		8260B	Total/NA
Vinyl chloride - DL	250000		40000	2200	ug/L	20000		8260B	Total/NA

Client Sample ID: MW-65-24-3 — Lab Sample ID: 600-55476-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	3800		100	8.0	ug/L	100		8260B	Total/NA
Carbon disulfide	110	J	200	24	ug/L	100		8260B	Total/NA
Chlorobenzene	1400		100	12	ug/L	100		8260B	Total/NA
Chloroform	49	J	100	13	ug/L	100		8260B	Total/NA
1,1-Dichloroethane	3200		100	11	ug/L	100		8260B	Total/NA
1,2-Dichloroethane	230		100	14	ug/L	100		8260B	Total/NA
1,1-Dichloroethene	840		100	19	ug/L	100		8260B	Total/NA
trans-1,2-Dichloroethene	5300		200	18	ug/L	200		8260B	Total/NA
Ethylbenzene	1200		100	11	ug/L	100		8260B	Total/NA
Styrene	30	J	100	7.0	ug/L	100		8260B	Total/NA
Tetrachloroethene	55	J	100	13	ug/L	100		8260B	Total/NA
Toluene	300		100	15	ug/L	100		8260B	Total/NA
Trichloroethene	310		100	18	ug/L	100		8260B	Total/NA
o-Xylene	34	J	100	12	ug/L	100		8260B	Total/NA
m-Xylene & p-Xylene	74	J	100	17	ug/L	100		8260B	Total/NA
Xylenes, Total	110		100	26	ug/L	100		8260B	Total/NA
cis-1,2-Dichloroethene	440		200	12	ug/L	200		8260B	Total/NA
1,2-Dichloroethene, Total	5700		200	60	ug/L	200		8260B	Total/NA
Vinyl chloride - DL	310000		40000	2200	ug/L	20000		8260B	Total/NA

Client Sample ID: MW-8-PRE24-3 — Lab Sample ID: 600-55476-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	780		100	8.0	ug/L	100		8260B	Total/NA
Chlorobenzene	150		100	12	ug/L	100		8260B	Total/NA
1,1-Dichloroethane	370		100	11	ug/L	100		8260B	Total/NA
1,2-Dichloroethane	100		100	14	ug/L	100		8260B	Total/NA
1,1-Dichloroethene	120		100	19	ug/L	100		8260B	Total/NA
trans-1,2-Dichloroethene	240		100	9.0	ug/L	100		8260B	Total/NA
Ethylbenzene	330		100	11	ug/L	100		8260B	Total/NA
Methylene Chloride	21	J	500	15	ug/L	100		8260B	Total/NA
Toluene	75	J	100	15	ug/L	100		8260B	Total/NA
o-Xylene	18	J	100	12	ug/L	100		8260B	Total/NA
cis-1,2-Dichloroethene	32	J	100	6.0	ug/L	100		8260B	Total/NA
1,2-Dichloroethene, Total	270		100	30	ug/L	100		8260B	Total/NA
Vinyl chloride - DL	4800		1000	55	ug/L	500		8260B	Total/NA

Client Sample ID: MW-8-24-3 — Lab Sample ID: 600-55476-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	720		100	8.0	ug/L	100		8260B	Total/NA
Chlorobenzene	130		100	12	ug/L	100		8260B	Total/NA
1,1-Dichloroethane	270		100	11	ug/L	100		8260B	Total/NA

Client Sample ID: MW-8-24-3 (Continued) — Lab Sample ID: 600-55476-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	77	J	100	14	ug/L	100		8260B	Total/NA
1,1-Dichloroethene	71	J	100	19	ug/L	100		8260B	Total/NA
trans-1,2-Dichloroethene	180		100	9.0	ug/L	100		8260B	Total/NA
Ethylbenzene	520		100	11	ug/L	100		8260B	Total/NA
Toluene	83	J	100	15	ug/L	100		8260B	Total/NA
o-Xylene	13	J	100	12	ug/L	100		8260B	Total/NA
1,2-Dichloroethene, Total	180		100	30	ug/L	100		8260B	Total/NA
Vinyl chloride - DL	4700		1000	55	ug/L	500		8260B	Total/NA

Client Sample ID: MW-11-PRE24-3 — Lab Sample ID: 600-55476-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	97	J	100	8.0	ug/L	100		8260B	Total/NA
Chlorobenzene	170		100	12	ug/L	100		8260B	Total/NA
1,1-Dichloroethane	910		100	11	ug/L	100		8260B	Total/NA
1,1-Dichloroethene	780		100	19	ug/L	100		8260B	Total/NA
trans-1,2-Dichloroethene	2600		100	9.0	ug/L	100		8260B	Total/NA
Trichloroethene	630		100	18	ug/L	100		8260B	Total/NA
cis-1,2-Dichloroethene	4700		100	6.0	ug/L	100		8260B	Total/NA
1,2-Dichloroethene, Total	7300		100	30	ug/L	100		8260B	Total/NA
1,2-Dichloroethane - DL	6200		2000	280	ug/L	2000		8260B	Total/NA
Vinyl chloride - DL	43000	B	4000	220	ug/L	2000		8260B	Total/NA

Client Sample ID: MW-11-24-3 — Lab Sample ID: 600-55476-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	110		100	8.0	ug/L	100		8260B	Total/NA
Chlorobenzene	300		100	12	ug/L	100		8260B	Total/NA
1,1-Dichloroethane	1100		100	11	ug/L	100		8260B	Total/NA
1,1-Dichloroethene	820		100	19	ug/L	100		8260B	Total/NA
trans-1,2-Dichloroethene	2500		100	9.0	ug/L	100		8260B	Total/NA
Ethylbenzene	23	J	100	11	ug/L	100		8260B	Total/NA
Trichloroethene	840		100	18	ug/L	100		8260B	Total/NA
cis-1,2-Dichloroethene	4400		100	6.0	ug/L	100		8260B	Total/NA
1,2-Dichloroethene, Total	6900		100	30	ug/L	100		8260B	Total/NA
1,2-Dichloroethane - DL	5000		2000	280	ug/L	2000		8260B	Total/NA
Vinyl chloride - DL	46000	B	4000	220	ug/L	2000		8260B	Total/NA

Client Sample ID: MW-40-PRE24-3 — Lab Sample ID: 600-55476-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	130		100	8.0	ug/L	100		8260B	Total/NA
Chlorobenzene	450		100	12	ug/L	100		8260B	Total/NA
1,1-Dichloroethane	610		100	11	ug/L	100		8260B	Total/NA
Ethylbenzene	160		100	11	ug/L	100		8260B	Total/NA
Methylene Chloride	89	J	500	15	ug/L	100		8260B	Total/NA
Toluene	34	J	100	15	ug/L	100		8260B	Total/NA
Vinyl chloride - DL	6400	B	1000	55	ug/L	500		8260B	Total/NA

Client Sample ID: MW-40-24-3 — Lab Sample ID: 600-55476-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	170		100	8.0	ug/L	100		8260B	Total/NA

Client Sample ID: MW-40-24-3 (Continued) — Lab Sample ID: 600-55476-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	65	J	200	24	ug/L	100		8260B	Total/NA
Chlorobenzene	790		100	12	ug/L	100		8260B	Total/NA
1,1-Dichloroethane	690		100	11	ug/L	100		8260B	Total/NA
Ethylbenzene	290		100	11	ug/L	100		8260B	Total/NA
Methylene Chloride	100	J	500	15	ug/L	100		8260B	Total/NA
Toluene	51	J	100	15	ug/L	100		8260B	Total/NA
Vinyl chloride - DL	7800	B	1000	55	ug/L	500		8260B	Total/NA

Client Sample ID: MW-68-PRE24-3 — Lab Sample ID: 600-55476-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	170		100	8.0	ug/L	100		8260B	Total/NA
Carbon disulfide	89	J	200	24	ug/L	100		8260B	Total/NA
Chlorobenzene	46	J	100	12	ug/L	100		8260B	Total/NA
1,1-Dichloroethane	120		100	11	ug/L	100		8260B	Total/NA
trans-1,2-Dichloroethene	390		100	9.0	ug/L	100		8260B	Total/NA
Ethylbenzene	210		100	11	ug/L	100		8260B	Total/NA
Methylene Chloride	110	J	500	15	ug/L	100		8260B	Total/NA
Toluene	53	J	100	15	ug/L	100		8260B	Total/NA
cis-1,2-Dichloroethene	21	J	100	6.0	ug/L	100		8260B	Total/NA
1,2-Dichloroethene, Total	410		100	30	ug/L	100		8260B	Total/NA
Vinyl chloride - DL	10000	B	1000	55	ug/L	500		8260B	Total/NA

Client Sample ID: MW-68-24-3 — Lab Sample ID: 600-55476-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	180		100	8.0	ug/L	100		8260B	Total/NA
Chlorobenzene	48	J	100	12	ug/L	100		8260B	Total/NA
1,1-Dichloroethane	130		100	11	ug/L	100		8260B	Total/NA
trans-1,2-Dichloroethene	430		100	9.0	ug/L	100		8260B	Total/NA
Ethylbenzene	250		100	11	ug/L	100		8260B	Total/NA
Methylene Chloride	130	J	500	15	ug/L	100		8260B	Total/NA
Toluene	53	J	100	15	ug/L	100		8260B	Total/NA
cis-1,2-Dichloroethene	23	J	100	6.0	ug/L	100		8260B	Total/NA
1,2-Dichloroethene, Total	450		100	30	ug/L	100		8260B	Total/NA
Vinyl chloride - DL	10000	B	1000	55	ug/L	500		8260B	Total/NA

Client Sample ID: MW-66-PRE24-3 — Lab Sample ID: 600-55476-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1100		500	99	ug/L	100		8260B	Total/NA
2-Butanone (MEK)	310		200	76	ug/L	100		8260B	Total/NA
Chlorobenzene	2000		100	12	ug/L	100		8260B	Total/NA
Chloroform	58	J	100	13	ug/L	100		8260B	Total/NA
1,1-Dichloroethane	3500		100	11	ug/L	100		8260B	Total/NA
1,1-Dichloroethene	2200		100	19	ug/L	100		8260B	Total/NA
trans-1,2-Dichloroethene	2300		100	9.0	ug/L	100		8260B	Total/NA
Ethylbenzene	4800		100	11	ug/L	100		8260B	Total/NA
Methylene Chloride	320	J	500	15	ug/L	100		8260B	Total/NA
Styrene	2000		100	7.0	ug/L	100		8260B	Total/NA
1,1,2,2-Tetrachloroethane	360		100	22	ug/L	100		8260B	Total/NA
Tetrachloroethene	160		100	13	ug/L	100		8260B	Total/NA
Toluene	3200		100	15	ug/L	100		8260B	Total/NA

Client Sample ID: MW-66-PRE24-3 (Continued) — Lab Sample ID: 600-55476-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	1300		100	18	ug/L	100		8260B	Total/NA
o-Xylene	30	J	100	12	ug/L	100		8260B	Total/NA
m-Xylene & p-Xylene	30	J	100	17	ug/L	100		8260B	Total/NA
Xylenes, Total	60	J	100	26	ug/L	100		8260B	Total/NA
cis-1,2-Dichloroethene	1100		100	6.0	ug/L	100		8260B	Total/NA
1,2-Dichloroethene, Total	3400		100	30	ug/L	100		8260B	Total/NA
Benzene - DL	7500		1000	80	ug/L	1000		8260B	Total/NA
1,2-Dichloroethane - DL2	190000		10000	1400	ug/L	10000		8260B	Total/NA
1,1,2-Trichloroethane - DL2	130000		10000	2800	ug/L	10000		8260B	Total/NA
Vinyl chloride - DL2	130000	B	20000	1100	ug/L	10000		8260B	Total/NA

Client Sample ID: MW-66-24-3 — Lab Sample ID: 600-55476-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	850		500	99	ug/L	100		8260B	Total/NA
2-Butanone (MEK)	260		200	76	ug/L	100		8260B	Total/NA
Carbon disulfide	160	J	200	24	ug/L	100		8260B	Total/NA
Chlorobenzene	1700		100	12	ug/L	100		8260B	Total/NA
Chloroform	30	J	100	13	ug/L	100		8260B	Total/NA
1,1-Dichloroethane	4100		100	11	ug/L	100		8260B	Total/NA
1,1-Dichloroethene	2600		100	19	ug/L	100		8260B	Total/NA
trans-1,2-Dichloroethene	3500		100	9.0	ug/L	100		8260B	Total/NA
Ethylbenzene	4200		100	11	ug/L	100		8260B	Total/NA
Methylene Chloride	380	J	500	15	ug/L	100		8260B	Total/NA
Styrene	1200		100	7.0	ug/L	100		8260B	Total/NA
1,1,2,2-Tetrachloroethane	150		100	22	ug/L	100		8260B	Total/NA
Tetrachloroethene	150		100	13	ug/L	100		8260B	Total/NA
Toluene	2700		100	15	ug/L	100		8260B	Total/NA
Trichloroethene	1300		100	18	ug/L	100		8260B	Total/NA
o-Xylene	24	J	100	12	ug/L	100		8260B	Total/NA
m-Xylene & p-Xylene	29	J	100	17	ug/L	100		8260B	Total/NA
Xylenes, Total	53	J	100	26	ug/L	100		8260B	Total/NA
cis-1,2-Dichloroethene	1600		100	6.0	ug/L	100		8260B	Total/NA
1,2-Dichloroethene, Total	5100		100	30	ug/L	100		8260B	Total/NA
Benzene - DL	7000		1000	80	ug/L	1000		8260B	Total/NA
1,2-Dichloroethane - DL2	200000		10000	1400	ug/L	10000		8260B	Total/NA
1,1,2-Trichloroethane - DL2	110000		10000	2800	ug/L	10000		8260B	Total/NA
Vinyl chloride - DL2	170000	B	20000	1100	ug/L	10000		8260B	Total/NA

Client Sample ID: MW-4-PRE24-3 — Lab Sample ID: 600-55476-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	2900		200	16	ug/L	200		8260B	Total/NA
Chlorobenzene	520		200	24	ug/L	200		8260B	Total/NA
1,1-Dichloroethane	3400		200	22	ug/L	200		8260B	Total/NA
1,1-Dichloroethene	6000		200	38	ug/L	200		8260B	Total/NA
trans-1,2-Dichloroethene	6000		200	18	ug/L	200		8260B	Total/NA
Ethylbenzene	350		200	22	ug/L	200		8260B	Total/NA
Tetrachloroethene	170	J	200	26	ug/L	200		8260B	Total/NA
Toluene	140	J	200	30	ug/L	200		8260B	Total/NA
Trichloroethene	860		200	36	ug/L	200		8260B	Total/NA
cis-1,2-Dichloroethene	3000		200	12	ug/L	200		8260B	Total/NA
1,2-Dichloroethene, Total	9000		200	60	ug/L	200		8260B	Total/NA

Detection Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-55476-1

Client Sample ID: MW-4-PRE24-3 (Continued) — Lab Sample ID: 600-55476-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane - DL	95000		20000	2800	ug/L	20000		8260B	Total/NA
Vinyl chloride - DL	500000	B	40000	2200	ug/L	20000		8260B	Total/NA

Client Sample ID: MW-4-24-3 — Lab Sample ID: 600-55476-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	4900		250	20	ug/L	250		8260B	Total/NA
Chlorobenzene	930		250	30	ug/L	250		8260B	Total/NA
1,1-Dichloroethane	5600		250	28	ug/L	250		8260B	Total/NA
1,1-Dichloroethene	9300		250	48	ug/L	250		8260B	Total/NA
trans-1,2-Dichloroethene	9700		250	23	ug/L	250		8260B	Total/NA
Ethylbenzene	640		250	28	ug/L	250		8260B	Total/NA
Methylene Chloride	77	J	1300	38	ug/L	250		8260B	Total/NA
Tetrachloroethene	300		250	33	ug/L	250		8260B	Total/NA
Toluene	240	J	250	38	ug/L	250		8260B	Total/NA
Trichloroethene	1500		250	45	ug/L	250		8260B	Total/NA
cis-1,2-Dichloroethene	4900		250	15	ug/L	250		8260B	Total/NA
1,2-Dichloroethene, Total	15000		250	75	ug/L	250		8260B	Total/NA
1,2-Dichloroethane - DL	74000		20000	2800	ug/L	20000		8260B	Total/NA
Vinyl chloride - DL	720000	B	40000	2200	ug/L	20000		8260B	Total/NA

Client Sample ID: DUP-24-3 — Lab Sample ID: 600-55476-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	120		100	8.0	ug/L	100		8260B	Total/NA
Chlorobenzene	310		100	12	ug/L	100		8260B	Total/NA
1,1-Dichloroethane	1200		100	11	ug/L	100		8260B	Total/NA
1,2-Dichloroethane	4900		100	14	ug/L	100		8260B	Total/NA
1,1-Dichloroethene	820		100	19	ug/L	100		8260B	Total/NA
trans-1,2-Dichloroethene	2500		100	9.0	ug/L	100		8260B	Total/NA
Ethylbenzene	24	J	100	11	ug/L	100		8260B	Total/NA
Methylene Chloride	50	J	500	15	ug/L	100		8260B	Total/NA
Trichloroethene	850		100	18	ug/L	100		8260B	Total/NA
cis-1,2-Dichloroethene	4500		100	6.0	ug/L	100		8260B	Total/NA
1,2-Dichloroethene, Total	7000		100	30	ug/L	100		8260B	Total/NA
Vinyl chloride - DL	34000		10000	550	ug/L	5000		8260B	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 600-55476-18

No Detections

Client Sample Results

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-55476-1

Client Sample ID: MW-71-PRE24-3

Lab Sample ID: 600-55476-1

Date Collected: 05/23/12 08:05

Matrix: Water

Date Received: 05/23/12 16:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**4100**		500	99	ug/L			05/30/12 17:56	100
Benzene	**3400**		100	8.0	ug/L			05/30/12 17:56	100
Chlorobromomethane	18	U	100	18	ug/L			05/30/12 17:56	100
Bromoform	19	U	100	19	ug/L			05/30/12 17:56	100
Bromomethane	25	U	200	25	ug/L			05/30/12 17:56	100
2-Butanone (MEK)	76	U	200	76	ug/L			05/30/12 17:56	100
Carbon disulfide	24	U	200	24	ug/L			05/30/12 17:56	100
Carbon tetrachloride	15	U	100	15	ug/L			05/30/12 17:56	100
Dibromochloromethane	15	U	100	15	ug/L			05/30/12 17:56	100
Chlorobenzene	**110**		100	12	ug/L			05/30/12 17:56	100
Chloroethane	8.0	U	200	8.0	ug/L			05/30/12 17:56	100
Chloroform	13	U	100	13	ug/L			05/30/12 17:56	100
Chloromethane	18	U	200	18	ug/L			05/30/12 17:56	100
1,1-Dichloroethane	**1100**		100	11	ug/L			05/30/12 17:56	100
1,1-Dichloroethene	**390**		100	19	ug/L			05/30/12 17:56	100
trans-1,2-Dichloroethene	**440**		100	9.0	ug/L			05/30/12 17:56	100
1,2-Dichloropropane	16	U	100	16	ug/L			05/30/12 17:56	100
cis-1,3-Dichloropropene	18	U	100	18	ug/L			05/30/12 17:56	100
trans-1,3-Dichloropropene	21	U	100	21	ug/L			05/30/12 17:56	100
Ethylbenzene	**350**		100	11	ug/L			05/30/12 17:56	100
2-Hexanone	35	U	200	35	ug/L			05/30/12 17:56	100
Methylene Chloride	**120**	**J**	500	15	ug/L			05/30/12 17:56	100
4-Methyl-2-pentanone (MIBK)	45	U	200	45	ug/L			05/30/12 17:56	100
Styrene	7.0	U	100	7.0	ug/L			05/30/12 17:56	100
1,1,2,2-Tetrachloroethane	22	U	100	22	ug/L			05/30/12 17:56	100
Tetrachloroethene	13	U	100	13	ug/L			05/30/12 17:56	100
Toluene	**110**		100	15	ug/L			05/30/12 17:56	100
1,1,1-Trichloroethane	15	U	100	15	ug/L			05/30/12 17:56	100
1,1,2-Trichloroethane	**2700**		100	28	ug/L			05/30/12 17:56	100
Trichloroethene	**110**		100	18	ug/L			05/30/12 17:56	100
Vinyl acetate	21	U	200	21	ug/L			05/30/12 17:56	100
o-Xylene	**17**	**J**	100	12	ug/L			05/30/12 17:56	100
m-Xylene & p-Xylene	17	U	100	17	ug/L			05/30/12 17:56	100
Xylenes, Total	26	U	100	26	ug/L			05/30/12 17:56	100
cis-1,2-Dichloroethene	**490**		100	6.0	ug/L			05/30/12 17:56	100
Bromodichloromethane	16	U	100	16	ug/L			05/30/12 17:56	100
1,2-Dichloroethene, Total	**930**		100	30	ug/L			05/30/12 17:56	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*70 - 130*		*05/30/12 17:56*	*100*
Dibromofluoromethane	*85*		*62 - 130*		*05/30/12 17:56*	*100*
4-Bromofluorobenzene	*92*		*67 - 139*		*05/30/12 17:56*	*100*
1,2-Dichloroethane-d4 (Surr)	*76*		*50 - 134*		*05/30/12 17:56*	*100*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	**16000**		5000	700	ug/L			06/04/12 18:23	5000
Vinyl chloride	**59000**		10000	550	ug/L			06/04/12 18:23	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*70 - 130*		*06/04/12 18:23*	*5000*

Client Sample ID: MW-71-PRE24-3

Lab Sample ID: 600-55476-1

Date Collected: 05/23/12 08:05

Matrix: Water

Date Received: 05/23/12 16:15

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	87		62 - 130		06/04/12 18:23	5000
4-Bromofluorobenzene	94		67 - 139		06/04/12 18:23	5000
1,2-Dichloroethane-d4 (Surr)	88		50 - 134		06/04/12 18:23	5000

Client Sample ID: MW-71-24-3

Lab Sample ID: 600-55476-2

Date Collected: 05/23/12 09:15

Matrix: Water

Date Received: 05/23/12 16:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**3100**		500	99	ug/L			05/30/12 18:24	100
Benzene	**3800**		100	8.0	ug/L			05/30/12 18:24	100
Chlorobromomethane	18	U	100	18	ug/L			05/30/12 18:24	100
Bromoform	19	U	100	19	ug/L			05/30/12 18:24	100
Bromomethane	25	U	200	25	ug/L			05/30/12 18:24	100
2-Butanone (MEK)	76	U	200	76	ug/L			05/30/12 18:24	100
Carbon disulfide	24	U	200	24	ug/L			05/30/12 18:24	100
Carbon tetrachloride	15	U	100	15	ug/L			05/30/12 18:24	100
Dibromochloromethane	15	U	100	15	ug/L			05/30/12 18:24	100
Chlorobenzene	**140**		100	12	ug/L			05/30/12 18:24	100
Chloroethane	8.0	U	200	8.0	ug/L			05/30/12 18:24	100
Chloroform	13	U	100	13	ug/L			05/30/12 18:24	100
Chloromethane	18	U	200	18	ug/L			05/30/12 18:24	100
1,1-Dichloroethane	**1100**		100	11	ug/L			05/30/12 18:24	100
1,2-Dichloroethane	**4700**		100	14	ug/L			05/30/12 18:24	100
1,1-Dichloroethene	**180**		100	19	ug/L			05/30/12 18:24	100
trans-1,2-Dichloroethene	**240**		100	9.0	ug/L			05/30/12 18:24	100
1,2-Dichloropropane	16	U	100	16	ug/L			05/30/12 18:24	100
cis-1,3-Dichloropropene	18	U	100	18	ug/L			05/30/12 18:24	100
trans-1,3-Dichloropropene	21	U	100	21	ug/L			05/30/12 18:24	100
Ethylbenzene	**630**		100	11	ug/L			05/30/12 18:24	100
2-Hexanone	35	U	200	35	ug/L			05/30/12 18:24	100
Methylene Chloride	**63**	**J**	500	15	ug/L			05/30/12 18:24	100
4-Methyl-2-pentanone (MIBK)	45	U	200	45	ug/L			05/30/12 18:24	100
Styrene	7.0	U	100	7.0	ug/L			05/30/12 18:24	100
1,1,2,2-Tetrachloroethane	22	U	100	22	ug/L			05/30/12 18:24	100
Tetrachloroethene	13	U	100	13	ug/L			05/30/12 18:24	100
Toluene	**120**		100	15	ug/L			05/30/12 18:24	100
1,1,1-Trichloroethane	15	U	100	15	ug/L			05/30/12 18:24	100
1,1,2-Trichloroethane	**630**		100	28	ug/L			05/30/12 18:24	100
Trichloroethene	**58**	**J**	100	18	ug/L			05/30/12 18:24	100
Vinyl acetate	21	U	200	21	ug/L			05/30/12 18:24	100
o-Xylene	12	U	100	12	ug/L			05/30/12 18:24	100
m-Xylene & p-Xylene	17	U	100	17	ug/L			05/30/12 18:24	100
Xylenes, Total	26	U	100	26	ug/L			05/30/12 18:24	100
cis-1,2-Dichloroethene	**260**		100	6.0	ug/L			05/30/12 18:24	100
Bromodichloromethane	16	U	100	16	ug/L			05/30/12 18:24	100
1,2-Dichloroethene, Total	**500**		100	30	ug/L			05/30/12 18:24	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		70 - 130		05/30/12 18:24	100

Client Sample ID: MW-71-24-3

Lab Sample ID: 600-55476-2

Date Collected: 05/23/12 09:15

Matrix: Water

Date Received: 05/23/12 16:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*85*		*62 - 130*		*05/30/12 18:24*	*100*
4-Bromofluorobenzene	*89*		*67 - 139*		*05/30/12 18:24*	*100*
1,2-Dichloroethane-d4 (Surr)	*74*		*50 - 134*		*05/30/12 18:24*	*100*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**48000**		10000	550	ug/L			06/04/12 18:51	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*70 - 130*		*06/04/12 18:51*	*5000*
Dibromofluoromethane	*86*		*62 - 130*		*06/04/12 18:51*	*5000*
4-Bromofluorobenzene	*98*		*67 - 139*		*06/04/12 18:51*	*5000*
1,2-Dichloroethane-d4 (Surr)	*90*		*50 - 134*		*06/04/12 18:51*	*5000*

Client Sample ID: MW-65-PRE24-3

Lab Sample ID: 600-55476-3

Date Collected: 05/23/12 08:25

Matrix: Water

Date Received: 05/23/12 16:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	99	U	500	99	ug/L			05/30/12 18:51	100
Benzene	**3000**		100	8.0	ug/L			05/30/12 18:51	100
Chlorobromomethane	18	U	100	18	ug/L			05/30/12 18:51	100
Bromoform	19	U	100	19	ug/L			05/30/12 18:51	100
Bromomethane	25	U	200	25	ug/L			05/30/12 18:51	100
2-Butanone (MEK)	76	U	200	76	ug/L			05/30/12 18:51	100
Carbon disulfide	**130**	**J**	200	24	ug/L			05/30/12 18:51	100
Carbon tetrachloride	15	U	100	15	ug/L			05/30/12 18:51	100
Dibromochloromethane	15	U	100	15	ug/L			05/30/12 18:51	100
Chlorobenzene	**990**		100	12	ug/L			05/30/12 18:51	100
Chloroethane	8.0	U	200	8.0	ug/L			05/30/12 18:51	100
Chloroform	**46**	**J**	100	13	ug/L			05/30/12 18:51	100
Chloromethane	18	U	200	18	ug/L			05/30/12 18:51	100
1,1-Dichloroethane	**2500**		100	11	ug/L			05/30/12 18:51	100
1,2-Dichloroethane	**240**		100	14	ug/L			05/30/12 18:51	100
1,1-Dichloroethene	**1200**		100	19	ug/L			05/30/12 18:51	100
trans-1,2-Dichloroethene	**4200**		100	9.0	ug/L			05/30/12 18:51	100
1,2-Dichloropropane	16	U	100	16	ug/L			05/30/12 18:51	100
cis-1,3-Dichloropropene	18	U	100	18	ug/L			05/30/12 18:51	100
trans-1,3-Dichloropropene	21	U	100	21	ug/L			05/30/12 18:51	100
Ethylbenzene	**680**		100	11	ug/L			05/30/12 18:51	100
2-Hexanone	35	U	200	35	ug/L			05/30/12 18:51	100
Methylene Chloride	**16**	**J**	500	15	ug/L			05/30/12 18:51	100
4-Methyl-2-pentanone (MIBK)	45	U	200	45	ug/L			05/30/12 18:51	100
Styrene	**20**	**J**	100	7.0	ug/L			05/30/12 18:51	100
1,1,2,2-Tetrachloroethane	22	U	100	22	ug/L			05/30/12 18:51	100
Tetrachloroethene	**97**	**J**	100	13	ug/L			05/30/12 18:51	100
Toluene	**230**		100	15	ug/L			05/30/12 18:51	100
1,1,1-Trichloroethane	15	U	100	15	ug/L			05/30/12 18:51	100
1,1,2-Trichloroethane	28	U	100	28	ug/L			05/30/12 18:51	100
Trichloroethene	**460**		100	18	ug/L			05/30/12 18:51	100

Client Sample ID: MW-65-PRE24-3

Lab Sample ID: 600-55476-3

Date Collected: 05/23/12 08:25

Matrix: Water

Date Received: 05/23/12 16:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	21	U	200	21	ug/L			05/30/12 18:51	100
o-Xylene	**23**	**J**	100	12	ug/L			05/30/12 18:51	100
m-Xylene & p-Xylene	**47**	**J**	100	17	ug/L			05/30/12 18:51	100
Xylenes, Total	**70**	**J**	100	26	ug/L			05/30/12 18:51	100
cis-1,2-Dichloroethene	**680**		100	6.0	ug/L			05/30/12 18:51	100
Bromodichloromethane	16	U	100	16	ug/L			05/30/12 18:51	100
1,2-Dichloroethene, Total	**4900**		100	30	ug/L			05/30/12 18:51	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*91*		*70 - 130*		*05/30/12 18:51*	*100*
Dibromofluoromethane	*80*		*62 - 130*		*05/30/12 18:51*	*100*
4-Bromofluorobenzene	*100*		*67 - 139*		*05/30/12 18:51*	*100*
1,2-Dichloroethane-d4 (Surr)	*77*		*50 - 134*		*05/30/12 18:51*	*100*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**250000**		40000	2200	ug/L			06/04/12 19:20	20000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*91*		*70 - 130*		*06/04/12 19:20*	*20000*
Dibromofluoromethane	*87*		*62 - 130*		*06/04/12 19:20*	*20000*
4-Bromofluorobenzene	*99*		*67 - 139*		*06/04/12 19:20*	*20000*
1,2-Dichloroethane-d4 (Surr)	*85*		*50 - 134*		*06/04/12 19:20*	*20000*

Client Sample ID: MW-65-24-3

Lab Sample ID: 600-55476-4

Date Collected: 05/23/12 09:30

Matrix: Water

Date Received: 05/23/12 16:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	99	U	500	99	ug/L			05/30/12 19:18	100
Benzene	**3800**		100	8.0	ug/L			05/30/12 19:18	100
Chlorobromomethane	18	U	100	18	ug/L			05/30/12 19:18	100
Bromoform	19	U	100	19	ug/L			05/30/12 19:18	100
Bromomethane	25	U	200	25	ug/L			05/30/12 19:18	100
2-Butanone (MEK)	76	U	200	76	ug/L			05/30/12 19:18	100
Carbon disulfide	**110**	**J**	200	24	ug/L			05/30/12 19:18	100
Carbon tetrachloride	15	U	100	15	ug/L			05/30/12 19:18	100
Dibromochloromethane	15	U	100	15	ug/L			05/30/12 19:18	100
Chlorobenzene	**1400**		100	12	ug/L			05/30/12 19:18	100
Chloroethane	8.0	U	200	8.0	ug/L			05/30/12 19:18	100
Chloroform	**49**	**J**	100	13	ug/L			05/30/12 19:18	100
Chloromethane	18	U	200	18	ug/L			05/30/12 19:18	100
1,1-Dichloroethane	**3200**		100	11	ug/L			05/30/12 19:18	100
1,2-Dichloroethane	**230**		100	14	ug/L			05/30/12 19:18	100
1,1-Dichloroethene	**840**		100	19	ug/L			05/30/12 19:18	100
trans-1,2-Dichloroethene	**5300**		200	18	ug/L			06/01/12 20:56	200
1,2-Dichloropropane	16	U	100	16	ug/L			05/30/12 19:18	100
cis-1,3-Dichloropropene	18	U	100	18	ug/L			05/30/12 19:18	100
trans-1,3-Dichloropropene	21	U	100	21	ug/L			05/30/12 19:18	100
Ethylbenzene	**1200**		100	11	ug/L			05/30/12 19:18	100
2-Hexanone	35	U	200	35	ug/L			05/30/12 19:18	100

Client Sample ID: MW-65-24-3

Lab Sample ID: 600-55476-4

Date Collected: 05/23/12 09:30

Matrix: Water

Date Received: 05/23/12 16:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	15	U	500	15	ug/L			05/30/12 19:18	100
4-Methyl-2-pentanone (MIBK)	45	U	200	45	ug/L			05/30/12 19:18	100
Styrene	**30**	**J**	100	7.0	ug/L			05/30/12 19:18	100
1,1,2,2-Tetrachloroethane	22	U	100	22	ug/L			05/30/12 19:18	100
Tetrachloroethene	**55**	**J**	100	13	ug/L			05/30/12 19:18	100
Toluene	**300**		100	15	ug/L			05/30/12 19:18	100
1,1,1-Trichloroethane	15	U	100	15	ug/L			05/30/12 19:18	100
1,1,2-Trichloroethane	28	U	100	28	ug/L			05/30/12 19:18	100
Trichloroethene	**310**		100	18	ug/L			05/30/12 19:18	100
Vinyl acetate	21	U	200	21	ug/L			05/30/12 19:18	100
o-Xylene	**34**	**J**	100	12	ug/L			05/30/12 19:18	100
m-Xylene & p-Xylene	**74**	**J**	100	17	ug/L			05/30/12 19:18	100
Xylenes, Total	**110**		100	26	ug/L			05/30/12 19:18	100
cis-1,2-Dichloroethene	**440**		200	12	ug/L			06/01/12 20:56	200
Bromodichloromethane	16	U	100	16	ug/L			05/30/12 19:18	100
1,2-Dichloroethene, Total	**5700**		200	60	ug/L			06/01/12 20:56	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*91*		*70 - 130*		*05/30/12 19:18*	*100*
Toluene-d8 (Surr)	*95*		*70 - 130*		*06/01/12 20:56*	*200*
Dibromofluoromethane	*82*		*62 - 130*		*05/30/12 19:18*	*100*
Dibromofluoromethane	*94*		*62 - 130*		*06/01/12 20:56*	*200*
4-Bromofluorobenzene	*103*		*67 - 139*		*05/30/12 19:18*	*100*
4-Bromofluorobenzene	*102*		*67 - 139*		*06/01/12 20:56*	*200*
1,2-Dichloroethane-d4 (Surr)	*86*		*50 - 134*		*05/30/12 19:18*	*100*
1,2-Dichloroethane-d4 (Surr)	*97*		*50 - 134*		*06/01/12 20:56*	*200*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**310000**		40000	2200	ug/L			06/04/12 19:49	20000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*70 - 130*		*06/04/12 19:49*	*20000*
Dibromofluoromethane	*86*		*62 - 130*		*06/04/12 19:49*	*20000*
4-Bromofluorobenzene	*98*		*67 - 139*		*06/04/12 19:49*	*20000*
1,2-Dichloroethane-d4 (Surr)	*87*		*50 - 134*		*06/04/12 19:49*	*20000*

Client Sample ID: MW-8-PRE24-3

Lab Sample ID: 600-55476-5

Date Collected: 05/23/12 09:45

Matrix: Water

Date Received: 05/23/12 16:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	99	U	500	99	ug/L			05/30/12 19:46	100
Benzene	**780**		100	8.0	ug/L			05/30/12 19:46	100
Chlorobromomethane	18	U	100	18	ug/L			05/30/12 19:46	100
Bromoform	19	U	100	19	ug/L			05/30/12 19:46	100
Bromomethane	25	U	200	25	ug/L			05/30/12 19:46	100
2-Butanone (MEK)	76	U	200	76	ug/L			05/30/12 19:46	100
Carbon disulfide	24	U	200	24	ug/L			05/30/12 19:46	100
Carbon tetrachloride	15	U	100	15	ug/L			05/30/12 19:46	100
Dibromochloromethane	15	U	100	15	ug/L			05/30/12 19:46	100

Client Sample ID: MW-8-PRE24-3

Lab Sample ID: 600-55476-5

Date Collected: 05/23/12 09:45

Matrix: Water

Date Received: 05/23/12 16:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	**150**		100	12	ug/L			05/30/12 19:46	100
Chloroethane	8.0	U	200	8.0	ug/L			05/30/12 19:46	100
Chloroform	13	U	100	13	ug/L			05/30/12 19:46	100
Chloromethane	18	U	200	18	ug/L			05/30/12 19:46	100
1,1-Dichloroethane	**370**		100	11	ug/L			05/30/12 19:46	100
1,2-Dichloroethane	**100**		100	14	ug/L			05/30/12 19:46	100
1,1-Dichloroethene	**120**		100	19	ug/L			05/30/12 19:46	100
trans-1,2-Dichloroethene	**240**		100	9.0	ug/L			05/30/12 19:46	100
1,2-Dichloropropane	16	U	100	16	ug/L			05/30/12 19:46	100
cis-1,3-Dichloropropene	18	U	100	18	ug/L			05/30/12 19:46	100
trans-1,3-Dichloropropene	21	U	100	21	ug/L			05/30/12 19:46	100
Ethylbenzene	**330**		100	11	ug/L			05/30/12 19:46	100
2-Hexanone	35	U	200	35	ug/L			05/30/12 19:46	100
Methylene Chloride	**21**	**J**	500	15	ug/L			05/30/12 19:46	100
4-Methyl-2-pentanone (MIBK)	45	U	200	45	ug/L			05/30/12 19:46	100
Styrene	7.0	U	100	7.0	ug/L			05/30/12 19:46	100
1,1,2,2-Tetrachloroethane	22	U	100	22	ug/L			05/30/12 19:46	100
Tetrachloroethene	13	U	100	13	ug/L			05/30/12 19:46	100
Toluene	**75**	**J**	100	15	ug/L			05/30/12 19:46	100
1,1,1-Trichloroethane	15	U	100	15	ug/L			05/30/12 19:46	100
1,1,2-Trichloroethane	28	U	100	28	ug/L			05/30/12 19:46	100
Trichloroethene	18	U	100	18	ug/L			05/30/12 19:46	100
Vinyl acetate	21	U	200	21	ug/L			05/30/12 19:46	100
o-Xylene	**18**	**J**	100	12	ug/L			05/30/12 19:46	100
m-Xylene & p-Xylene	17	U	100	17	ug/L			05/30/12 19:46	100
Xylenes, Total	26	U	100	26	ug/L			05/30/12 19:46	100
cis-1,2-Dichloroethene	**32**	**J**	100	6.0	ug/L			05/30/12 19:46	100
Bromodichloromethane	16	U	100	16	ug/L			05/30/12 19:46	100
1,2-Dichloroethene, Total	**270**		100	30	ug/L			05/30/12 19:46	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*70 - 130*		*05/30/12 19:46*	*100*
Dibromofluoromethane	*86*		*62 - 130*		*05/30/12 19:46*	*100*
4-Bromofluorobenzene	*103*		*67 - 139*		*05/30/12 19:46*	*100*
1,2-Dichloroethane-d4 (Surr)	*79*		*50 - 134*		*05/30/12 19:46*	*100*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**4800**		1000	55	ug/L			06/04/12 20:17	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*91*		*70 - 130*		*06/04/12 20:17*	*500*
Dibromofluoromethane	*86*		*62 - 130*		*06/04/12 20:17*	*500*
4-Bromofluorobenzene	*94*		*67 - 139*		*06/04/12 20:17*	*500*
1,2-Dichloroethane-d4 (Surr)	*87*		*50 - 134*		*06/04/12 20:17*	*500*

Client Sample Results

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-55476-1

Client Sample ID: MW-8-24-3

Date Collected: 05/23/12 10:55
Date Received: 05/23/12 16:15

Lab Sample ID: 600-55476-6

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	99	U	500	99	ug/L			05/30/12 20:13	100
Benzene	**720**		100	8.0	ug/L			05/30/12 20:13	100
Chlorobromomethane	18	U	100	18	ug/L			05/30/12 20:13	100
Bromoform	19	U	100	19	ug/L			05/30/12 20:13	100
Bromomethane	25	U	200	25	ug/L			05/30/12 20:13	100
2-Butanone (MEK)	76	U	200	76	ug/L			05/30/12 20:13	100
Carbon disulfide	24	U	200	24	ug/L			05/30/12 20:13	100
Carbon tetrachloride	15	U	100	15	ug/L			05/30/12 20:13	100
Dibromochloromethane	15	U	100	15	ug/L			05/30/12 20:13	100
Chlorobenzene	**130**		100	12	ug/L			05/30/12 20:13	100
Chloroethane	8.0	U	200	8.0	ug/L			05/30/12 20:13	100
Chloroform	13	U	100	13	ug/L			05/30/12 20:13	100
Chloromethane	18	U	200	18	ug/L			05/30/12 20:13	100
1,1-Dichloroethane	**270**		100	11	ug/L			05/30/12 20:13	100
1,2-Dichloroethane	**77**	**J**	100	14	ug/L			05/30/12 20:13	100
1,1-Dichloroethene	**71**	**J**	100	19	ug/L			05/30/12 20:13	100
trans-1,2-Dichloroethene	**180**		100	9.0	ug/L			05/30/12 20:13	100
1,2-Dichloropropane	16	U	100	16	ug/L			05/30/12 20:13	100
cis-1,3-Dichloropropene	18	U	100	18	ug/L			05/30/12 20:13	100
trans-1,3-Dichloropropene	21	U	100	21	ug/L			05/30/12 20:13	100
Ethylbenzene	**520**		100	11	ug/L			05/30/12 20:13	100
2-Hexanone	35	U	200	35	ug/L			05/30/12 20:13	100
Methylene Chloride	15	U	500	15	ug/L			05/30/12 20:13	100
4-Methyl-2-pentanone (MIBK)	45	U	200	45	ug/L			05/30/12 20:13	100
Styrene	7.0	U	100	7.0	ug/L			05/30/12 20:13	100
1,1,2,2-Tetrachloroethane	22	U	100	22	ug/L			05/30/12 20:13	100
Tetrachloroethene	13	U	100	13	ug/L			05/30/12 20:13	100
Toluene	**83**	**J**	100	15	ug/L			05/30/12 20:13	100
1,1,1-Trichloroethane	15	U	100	15	ug/L			05/30/12 20:13	100
1,1,2-Trichloroethane	28	U	100	28	ug/L			05/30/12 20:13	100
Trichloroethene	18	U	100	18	ug/L			05/30/12 20:13	100
Vinyl acetate	21	U	200	21	ug/L			05/30/12 20:13	100
o-Xylene	**13**	**J**	100	12	ug/L			05/30/12 20:13	100
m-Xylene & p-Xylene	17	U	100	17	ug/L			05/30/12 20:13	100
Xylenes, Total	26	U	100	26	ug/L			05/30/12 20:13	100
cis-1,2-Dichloroethene	6.0	U	100	6.0	ug/L			05/30/12 20:13	100
Bromodichloromethane	16	U	100	16	ug/L			05/30/12 20:13	100
1,2-Dichloroethene, Total	**180**		100	30	ug/L			05/30/12 20:13	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*70 - 130*		*05/30/12 20:13*	*100*
Dibromofluoromethane	*86*		*62 - 130*		*05/30/12 20:13*	*100*
4-Bromofluorobenzene	*92*		*67 - 139*		*05/30/12 20:13*	*100*
1,2-Dichloroethane-d4 (Surr)	*82*		*50 - 134*		*05/30/12 20:13*	*100*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**4700**		1000	55	ug/L			06/05/12 08:30	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*89*		*70 - 130*		*06/05/12 08:30*	*500*
Dibromofluoromethane	*91*		*62 - 130*		*06/05/12 08:30*	*500*

Client Sample ID: MW-8-24-3

Lab Sample ID: 600-55476-6

Date Collected: 05/23/12 10:55

Matrix: Water

Date Received: 05/23/12 16:15

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	97		67 - 139		06/05/12 08:30	500
1,2-Dichloroethane-d4 (Surr)	88		50 - 134		06/05/12 08:30	500

Client Sample ID: MW-11-PRE24-3

Lab Sample ID: 600-55476-7

Date Collected: 05/23/12 10:05

Matrix: Water

Date Received: 05/23/12 16:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	99	U	500	99	ug/L			05/31/12 19:18	100
Benzene	**97**	**J**	100	8.0	ug/L			05/31/12 19:18	100
Chlorobromomethane	18	U	100	18	ug/L			05/31/12 19:18	100
Bromoform	19	U	100	19	ug/L			05/31/12 19:18	100
Bromomethane	25	U	200	25	ug/L			05/31/12 19:18	100
2-Butanone (MEK)	76	U	200	76	ug/L			05/31/12 19:18	100
Carbon disulfide	24	U	200	24	ug/L			05/31/12 19:18	100
Carbon tetrachloride	15	U	100	15	ug/L			05/31/12 19:18	100
Dibromochloromethane	15	U	100	15	ug/L			05/31/12 19:18	100
Chlorobenzene	**170**		100	12	ug/L			05/31/12 19:18	100
Chloroethane	8.0	U	200	8.0	ug/L			05/31/12 19:18	100
Chloroform	13	U	100	13	ug/L			05/31/12 19:18	100
Chloromethane	18	U	200	18	ug/L			05/31/12 19:18	100
1,1-Dichloroethane	**910**		100	11	ug/L			05/31/12 19:18	100
1,1-Dichloroethene	**780**		100	19	ug/L			05/31/12 19:18	100
trans-1,2-Dichloroethene	**2600**		100	9.0	ug/L			05/31/12 19:18	100
1,2-Dichloropropane	16	U	100	16	ug/L			05/31/12 19:18	100
cis-1,3-Dichloropropene	18	U	100	18	ug/L			05/31/12 19:18	100
trans-1,3-Dichloropropene	21	U	100	21	ug/L			05/31/12 19:18	100
Ethylbenzene	11	U	100	11	ug/L			05/31/12 19:18	100
2-Hexanone	35	U	200	35	ug/L			05/31/12 19:18	100
Methylene Chloride	15	U	500	15	ug/L			05/31/12 19:18	100
4-Methyl-2-pentanone (MIBK)	45	U	200	45	ug/L			05/31/12 19:18	100
Styrene	7.0	U	100	7.0	ug/L			05/31/12 19:18	100
1,1,2,2-Tetrachloroethane	22	U	100	22	ug/L			05/31/12 19:18	100
Tetrachloroethene	13	U	100	13	ug/L			05/31/12 19:18	100
Toluene	15	U	100	15	ug/L			05/31/12 19:18	100
1,1,1-Trichloroethane	15	U	100	15	ug/L			05/31/12 19:18	100
1,1,2-Trichloroethane	28	U	100	28	ug/L			05/31/12 19:18	100
Trichloroethene	**630**		100	18	ug/L			05/31/12 19:18	100
Vinyl acetate	21	U	200	21	ug/L			05/31/12 19:18	100
o-Xylene	12	U	100	12	ug/L			05/31/12 19:18	100
m-Xylene & p-Xylene	17	U	100	17	ug/L			05/31/12 19:18	100
Xylenes, Total	26	U	100	26	ug/L			05/31/12 19:18	100
cis-1,2-Dichloroethene	**4700**		100	6.0	ug/L			05/31/12 19:18	100
Bromodichloromethane	16	U	100	16	ug/L			05/31/12 19:18	100
1,2-Dichloroethene, Total	**7300**		100	30	ug/L			05/31/12 19:18	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		70 - 130		05/31/12 19:18	100
Dibromofluoromethane	85		62 - 130		05/31/12 19:18	100
4-Bromofluorobenzene	93		67 - 139		05/31/12 19:18	100

Client Sample ID: MW-11-PRE24-3

Lab Sample ID: 600-55476-7

Date Collected: 05/23/12 10:05

Matrix: Water

Date Received: 05/23/12 16:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	85		50 - 134		05/31/12 19:18	100

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	**6200**		2000	280	ug/L			05/31/12 17:23	2000
Vinyl chloride	**43000**	**B**	4000	220	ug/L			05/31/12 17:23	2000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	93		70 - 130		05/31/12 17:23	2000
Dibromofluoromethane	87		62 - 130		05/31/12 17:23	2000
4-Bromofluorobenzene	98		67 - 139		05/31/12 17:23	2000
1,2-Dichloroethane-d4 (Surr)	84		50 - 134		05/31/12 17:23	2000

Client Sample ID: MW-11-24-3

Lab Sample ID: 600-55476-8

Date Collected: 05/23/12 11:15

Matrix: Water

Date Received: 05/23/12 16:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	99	U	500	99	ug/L			05/31/12 19:47	100
Benzene	**110**		100	8.0	ug/L			05/31/12 19:47	100
Chlorobromomethane	18	U	100	18	ug/L			05/31/12 19:47	100
Bromoform	19	U	100	19	ug/L			05/31/12 19:47	100
Bromomethane	25	U	200	25	ug/L			05/31/12 19:47	100
2-Butanone (MEK)	76	U	200	76	ug/L			05/31/12 19:47	100
Carbon disulfide	24	U	200	24	ug/L			05/31/12 19:47	100
Carbon tetrachloride	15	U	100	15	ug/L			05/31/12 19:47	100
Dibromochloromethane	15	U	100	15	ug/L			05/31/12 19:47	100
Chlorobenzene	**300**		100	12	ug/L			05/31/12 19:47	100
Chloroethane	8.0	U	200	8.0	ug/L			05/31/12 19:47	100
Chloroform	13	U	100	13	ug/L			05/31/12 19:47	100
Chloromethane	18	U	200	18	ug/L			05/31/12 19:47	100
1,1-Dichloroethane	**1100**		100	11	ug/L			05/31/12 19:47	100
1,1-Dichloroethene	**820**		100	19	ug/L			05/31/12 19:47	100
trans-1,2-Dichloroethene	**2500**		100	9.0	ug/L			05/31/12 19:47	100
1,2-Dichloropropane	16	U	100	16	ug/L			05/31/12 19:47	100
cis-1,3-Dichloropropene	18	U	100	18	ug/L			05/31/12 19:47	100
trans-1,3-Dichloropropene	21	U	100	21	ug/L			05/31/12 19:47	100
Ethylbenzene	**23**	**J**	100	11	ug/L			05/31/12 19:47	100
2-Hexanone	35	U	200	35	ug/L			05/31/12 19:47	100
Methylene Chloride	15	U	500	15	ug/L			05/31/12 19:47	100
4-Methyl-2-pentanone (MIBK)	45	U	200	45	ug/L			05/31/12 19:47	100
Styrene	7.0	U	100	7.0	ug/L			05/31/12 19:47	100
1,1,2,2-Tetrachloroethane	22	U	100	22	ug/L			05/31/12 19:47	100
Tetrachloroethene	13	U	100	13	ug/L			05/31/12 19:47	100
Toluene	15	U	100	15	ug/L			05/31/12 19:47	100
1,1,1-Trichloroethane	15	U	100	15	ug/L			05/31/12 19:47	100
1,1,2-Trichloroethane	28	U	100	28	ug/L			05/31/12 19:47	100
Trichloroethene	**840**		100	18	ug/L			05/31/12 19:47	100
Vinyl acetate	21	U	200	21	ug/L			05/31/12 19:47	100
o-Xylene	12	U	100	12	ug/L			05/31/12 19:47	100

Client Sample ID: MW-11-24-3

Lab Sample ID: 600-55476-8

Date Collected: 05/23/12 11:15

Matrix: Water

Date Received: 05/23/12 16:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	17	U	100	17	ug/L			05/31/12 19:47	100
Xylenes, Total	26	U	100	26	ug/L			05/31/12 19:47	100
cis-1,2-Dichloroethene	**4400**		100	6.0	ug/L			05/31/12 19:47	100
Bromodichloromethane	16	U	100	16	ug/L			05/31/12 19:47	100
1,2-Dichloroethene, Total	**6900**		100	30	ug/L			05/31/12 19:47	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*70 - 130*		*05/31/12 19:47*	*100*
Dibromofluoromethane	*90*		*62 - 130*		*05/31/12 19:47*	*100*
4-Bromofluorobenzene	*95*		*67 - 139*		*05/31/12 19:47*	*100*
1,2-Dichloroethane-d4 (Surr)	*88*		*50 - 134*		*05/31/12 19:47*	*100*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	**5000**		2000	280	ug/L			05/31/12 17:52	2000
Vinyl chloride	**46000**	**B**	4000	220	ug/L			05/31/12 17:52	2000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*70 - 130*		*05/31/12 17:52*	*2000*
Dibromofluoromethane	*89*		*62 - 130*		*05/31/12 17:52*	*2000*
4-Bromofluorobenzene	*100*		*67 - 139*		*05/31/12 17:52*	*2000*
1,2-Dichloroethane-d4 (Surr)	*91*		*50 - 134*		*05/31/12 17:52*	*2000*

Client Sample ID: MW-40-PRE24-3

Lab Sample ID: 600-55476-9

Date Collected: 05/23/12 11:05

Matrix: Water

Date Received: 05/23/12 16:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	99	U	500	99	ug/L			05/30/12 18:27	100
Benzene	**130**		100	8.0	ug/L			05/30/12 18:27	100
Chlorobromomethane	18	U	100	18	ug/L			05/30/12 18:27	100
Bromoform	19	U	100	19	ug/L			05/30/12 18:27	100
Bromomethane	25	U	200	25	ug/L			05/30/12 18:27	100
2-Butanone (MEK)	76	U	200	76	ug/L			05/30/12 18:27	100
Carbon disulfide	24	U	200	24	ug/L			05/30/12 18:27	100
Carbon tetrachloride	15	U	100	15	ug/L			05/30/12 18:27	100
Dibromochloromethane	15	U	100	15	ug/L			05/30/12 18:27	100
Chlorobenzene	**450**		100	12	ug/L			05/30/12 18:27	100
Chloroethane	8.0	U	200	8.0	ug/L			05/30/12 18:27	100
Chloroform	13	U	100	13	ug/L			05/30/12 18:27	100
Chloromethane	18	U	200	18	ug/L			05/30/12 18:27	100
1,1-Dichloroethane	**610**		100	11	ug/L			05/30/12 18:27	100
1,2-Dichloroethane	14	U	100	14	ug/L			05/30/12 18:27	100
1,1-Dichloroethene	19	U	100	19	ug/L			05/30/12 18:27	100
trans-1,2-Dichloroethene	9.0	U	100	9.0	ug/L			05/30/12 18:27	100
1,2-Dichloropropane	16	U	100	16	ug/L			05/30/12 18:27	100
cis-1,3-Dichloropropene	18	U	100	18	ug/L			05/30/12 18:27	100
trans-1,3-Dichloropropene	21	U	100	21	ug/L			05/30/12 18:27	100
Ethylbenzene	**160**		100	11	ug/L			05/30/12 18:27	100
2-Hexanone	35	U	200	35	ug/L			05/30/12 18:27	100
Methylene Chloride	**89**	**J**	500	15	ug/L			05/30/12 18:27	100

Client Sample ID: MW-40-PRE24-3

Lab Sample ID: 600-55476-9

Date Collected: 05/23/12 11:05

Matrix: Water

Date Received: 05/23/12 16:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	45	U	200	45	ug/L			05/30/12 18:27	100
Styrene	7.0	U	100	7.0	ug/L			05/30/12 18:27	100
1,1,2,2-Tetrachloroethane	22	U	100	22	ug/L			05/30/12 18:27	100
Tetrachloroethene	13	U	100	13	ug/L			05/30/12 18:27	100
Toluene	**34**	**J**	100	15	ug/L			05/30/12 18:27	100
1,1,1-Trichloroethane	15	U	100	15	ug/L			05/30/12 18:27	100
1,1,2-Trichloroethane	28	U	100	28	ug/L			05/30/12 18:27	100
Trichloroethene	18	U	100	18	ug/L			05/30/12 18:27	100
Vinyl acetate	21	U	200	21	ug/L			05/30/12 18:27	100
o-Xylene	12	U	100	12	ug/L			05/30/12 18:27	100
m-Xylene & p-Xylene	17	U	100	17	ug/L			05/30/12 18:27	100
Xylenes, Total	26	U	100	26	ug/L			05/30/12 18:27	100
cis-1,2-Dichloroethene	6.0	U	100	6.0	ug/L			05/30/12 18:27	100
Bromodichloromethane	16	U	100	16	ug/L			05/30/12 18:27	100
1,2-Dichloroethene, Total	30	U	100	30	ug/L			05/30/12 18:27	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*70 - 130*		*05/30/12 18:27*	*100*
Dibromofluoromethane	*87*		*62 - 130*		*05/30/12 18:27*	*100*
4-Bromofluorobenzene	*95*		*67 - 139*		*05/30/12 18:27*	*100*
1,2-Dichloroethane-d4 (Surr)	*86*		*50 - 134*		*05/30/12 18:27*	*100*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**6400**	**B**	1000	55	ug/L			05/31/12 13:33	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*70 - 130*		*05/31/12 13:33*	*500*
Dibromofluoromethane	*89*		*62 - 130*		*05/31/12 13:33*	*500*
4-Bromofluorobenzene	*97*		*67 - 139*		*05/31/12 13:33*	*500*
1,2-Dichloroethane-d4 (Surr)	*87*		*50 - 134*		*05/31/12 13:33*	*500*

Client Sample ID: MW-40-24-3

Lab Sample ID: 600-55476-10

Date Collected: 05/23/12 12:05

Matrix: Water

Date Received: 05/23/12 16:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	99	U	500	99	ug/L			05/30/12 18:56	100
Benzene	**170**		100	8.0	ug/L			05/30/12 18:56	100
Chlorobromomethane	18	U	100	18	ug/L			05/30/12 18:56	100
Bromoform	19	U	100	19	ug/L			05/30/12 18:56	100
Bromomethane	25	U	200	25	ug/L			05/30/12 18:56	100
2-Butanone (MEK)	76	U	200	76	ug/L			05/30/12 18:56	100
Carbon disulfide	**65**	**J**	200	24	ug/L			05/30/12 18:56	100
Carbon tetrachloride	15	U	100	15	ug/L			05/30/12 18:56	100
Dibromochloromethane	15	U	100	15	ug/L			05/30/12 18:56	100
Chlorobenzene	**790**		100	12	ug/L			05/30/12 18:56	100
Chloroethane	8.0	U	200	8.0	ug/L			05/30/12 18:56	100
Chloroform	13	U	100	13	ug/L			05/30/12 18:56	100
Chloromethane	18	U	200	18	ug/L			05/30/12 18:56	100
1,1-Dichloroethane	**690**		100	11	ug/L			05/30/12 18:56	100

Client Sample ID: MW-40-24-3

Lab Sample ID: 600-55476-10

Date Collected: 05/23/12 12:05

Matrix: Water

Date Received: 05/23/12 16:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	14	U	100	14	ug/L			05/30/12 18:56	100
1,1-Dichloroethene	19	U	100	19	ug/L			05/30/12 18:56	100
trans-1,2-Dichloroethene	9.0	U	100	9.0	ug/L			05/30/12 18:56	100
1,2-Dichloropropane	16	U	100	16	ug/L			05/30/12 18:56	100
cis-1,3-Dichloropropene	18	U	100	18	ug/L			05/30/12 18:56	100
trans-1,3-Dichloropropene	21	U	100	21	ug/L			05/30/12 18:56	100
Ethylbenzene	**290**		100	11	ug/L			05/30/12 18:56	100
2-Hexanone	35	U	200	35	ug/L			05/30/12 18:56	100
Methylene Chloride	**100**	**J**	500	15	ug/L			05/30/12 18:56	100
4-Methyl-2-pentanone (MIBK)	45	U	200	45	ug/L			05/30/12 18:56	100
Styrene	7.0	U	100	7.0	ug/L			05/30/12 18:56	100
1,1,2,2-Tetrachloroethane	22	U	100	22	ug/L			05/30/12 18:56	100
Tetrachloroethene	13	U	100	13	ug/L			05/30/12 18:56	100
Toluene	**51**	**J**	100	15	ug/L			05/30/12 18:56	100
1,1,1-Trichloroethane	15	U	100	15	ug/L			05/30/12 18:56	100
1,1,2-Trichloroethane	28	U	100	28	ug/L			05/30/12 18:56	100
Trichloroethene	18	U	100	18	ug/L			05/30/12 18:56	100
Vinyl acetate	21	U	200	21	ug/L			05/30/12 18:56	100
o-Xylene	12	U	100	12	ug/L			05/30/12 18:56	100
m-Xylene & p-Xylene	17	U	100	17	ug/L			05/30/12 18:56	100
Xylenes, Total	26	U	100	26	ug/L			05/30/12 18:56	100
cis-1,2-Dichloroethene	6.0	U	100	6.0	ug/L			05/30/12 18:56	100
Bromodichloromethane	16	U	100	16	ug/L			05/30/12 18:56	100
1,2-Dichloroethene, Total	30	U	100	30	ug/L			05/30/12 18:56	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*70 - 130*		*05/30/12 18:56*	*100*
Dibromofluoromethane	*86*		*62 - 130*		*05/30/12 18:56*	*100*
4-Bromofluorobenzene	*98*		*67 - 139*		*05/30/12 18:56*	*100*
1,2-Dichloroethane-d4 (Surr)	*89*		*50 - 134*		*05/30/12 18:56*	*100*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**7800**	**B**	1000	55	ug/L			05/31/12 14:02	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*70 - 130*		*05/31/12 14:02*	*500*
Dibromofluoromethane	*88*		*62 - 130*		*05/31/12 14:02*	*500*
4-Bromofluorobenzene	*97*		*67 - 139*		*05/31/12 14:02*	*500*
1,2-Dichloroethane-d4 (Surr)	*87*		*50 - 134*		*05/31/12 14:02*	*500*

Client Sample ID: MW-68-PRE24-3

Lab Sample ID: 600-55476-11

Date Collected: 05/23/12 11:25

Matrix: Water

Date Received: 05/23/12 16:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	99	U	500	99	ug/L			05/30/12 19:24	100
Benzene	**170**		100	8.0	ug/L			05/30/12 19:24	100
Chlorobromomethane	18	U	100	18	ug/L			05/30/12 19:24	100
Bromoform	19	U	100	19	ug/L			05/30/12 19:24	100
Bromomethane	25	U	200	25	ug/L			05/30/12 19:24	100

Client Sample ID: MW-68-PRE24-3

Lab Sample ID: 600-55476-11

Date Collected: 05/23/12 11:25

Matrix: Water

Date Received: 05/23/12 16:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	76	U	200	76	ug/L			05/30/12 19:24	100
Carbon disulfide	**89**	**J**	200	24	ug/L			05/30/12 19:24	100
Carbon tetrachloride	15	U	100	15	ug/L			05/30/12 19:24	100
Dibromochloromethane	15	U	100	15	ug/L			05/30/12 19:24	100
Chlorobenzene	**46**	**J**	100	12	ug/L			05/30/12 19:24	100
Chloroethane	8.0	U	200	8.0	ug/L			05/30/12 19:24	100
Chloroform	13	U	100	13	ug/L			05/30/12 19:24	100
Chloromethane	18	U	200	18	ug/L			05/30/12 19:24	100
1,1-Dichloroethane	**120**		100	11	ug/L			05/30/12 19:24	100
1,2-Dichloroethane	14	U	100	14	ug/L			05/30/12 19:24	100
1,1-Dichloroethene	19	U	100	19	ug/L			05/30/12 19:24	100
trans-1,2-Dichloroethene	**390**		100	9.0	ug/L			05/30/12 19:24	100
1,2-Dichloropropane	16	U	100	16	ug/L			05/30/12 19:24	100
cis-1,3-Dichloropropene	18	U	100	18	ug/L			05/30/12 19:24	100
trans-1,3-Dichloropropene	21	U	100	21	ug/L			05/30/12 19:24	100
Ethylbenzene	**210**		100	11	ug/L			05/30/12 19:24	100
2-Hexanone	35	U	200	35	ug/L			05/30/12 19:24	100
Methylene Chloride	**110**	**J**	500	15	ug/L			05/30/12 19:24	100
4-Methyl-2-pentanone (MIBK)	45	U	200	45	ug/L			05/30/12 19:24	100
Styrene	7.0	U	100	7.0	ug/L			05/30/12 19:24	100
1,1,2,2-Tetrachloroethane	22	U	100	22	ug/L			05/30/12 19:24	100
Tetrachloroethene	13	U	100	13	ug/L			05/30/12 19:24	100
Toluene	**53**	**J**	100	15	ug/L			05/30/12 19:24	100
1,1,1-Trichloroethane	15	U	100	15	ug/L			05/30/12 19:24	100
1,1,2-Trichloroethane	28	U	100	28	ug/L			05/30/12 19:24	100
Trichloroethene	18	U	100	18	ug/L			05/30/12 19:24	100
Vinyl acetate	21	U	200	21	ug/L			05/30/12 19:24	100
o-Xylene	12	U	100	12	ug/L			05/30/12 19:24	100
m-Xylene & p-Xylene	17	U	100	17	ug/L			05/30/12 19:24	100
Xylenes, Total	26	U	100	26	ug/L			05/30/12 19:24	100
cis-1,2-Dichloroethene	**21**	**J**	100	6.0	ug/L			05/30/12 19:24	100
Bromodichloromethane	16	U	100	16	ug/L			05/30/12 19:24	100
1,2-Dichloroethene, Total	**410**		100	30	ug/L			05/30/12 19:24	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*70 - 130*		*05/30/12 19:24*	*100*
Dibromofluoromethane	*88*		*62 - 130*		*05/30/12 19:24*	*100*
4-Bromofluorobenzene	*99*		*67 - 139*		*05/30/12 19:24*	*100*
1,2-Dichloroethane-d4 (Surr)	*90*		*50 - 134*		*05/30/12 19:24*	*100*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**10000**	**B**	1000	55	ug/L			05/31/12 14:31	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*91*		*70 - 130*		*05/31/12 14:31*	*500*
Dibromofluoromethane	*91*		*62 - 130*		*05/31/12 14:31*	*500*
4-Bromofluorobenzene	*100*		*67 - 139*		*05/31/12 14:31*	*500*
1,2-Dichloroethane-d4 (Surr)	*89*		*50 - 134*		*05/31/12 14:31*	*500*

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-55476-1

Client Sample ID: MW-68-24-3

Lab Sample ID: 600-55476-12

Date Collected: 05/23/12 12:25
Matrix: Water
Date Received: 05/23/12 16:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	99	U	500	99	ug/L			05/30/12 19:53	100
Benzene	**180**		100	8.0	ug/L			05/30/12 19:53	100
Chlorobromomethane	18	U	100	18	ug/L			05/30/12 19:53	100
Bromoform	19	U	100	19	ug/L			05/30/12 19:53	100
Bromomethane	25	U	200	25	ug/L			05/30/12 19:53	100
2-Butanone (MEK)	76	U	200	76	ug/L			05/30/12 19:53	100
Carbon disulfide	24	U	200	24	ug/L			05/30/12 19:53	100
Carbon tetrachloride	15	U	100	15	ug/L			05/30/12 19:53	100
Dibromochloromethane	15	U	100	15	ug/L			05/30/12 19:53	100
Chlorobenzene	**48**	**J**	100	12	ug/L			05/30/12 19:53	100
Chloroethane	8.0	U	200	8.0	ug/L			05/30/12 19:53	100
Chloroform	13	U	100	13	ug/L			05/30/12 19:53	100
Chloromethane	18	U	200	18	ug/L			05/30/12 19:53	100
1,1-Dichloroethane	**130**		100	11	ug/L			05/30/12 19:53	100
1,2-Dichloroethane	14	U	100	14	ug/L			05/30/12 19:53	100
1,1-Dichloroethene	19	U	100	19	ug/L			05/30/12 19:53	100
trans-1,2-Dichloroethene	**430**		100	9.0	ug/L			05/30/12 19:53	100
1,2-Dichloropropane	16	U	100	16	ug/L			05/30/12 19:53	100
cis-1,3-Dichloropropene	18	U	100	18	ug/L			05/30/12 19:53	100
trans-1,3-Dichloropropene	21	U	100	21	ug/L			05/30/12 19:53	100
Ethylbenzene	**250**		100	11	ug/L			05/30/12 19:53	100
2-Hexanone	35	U	200	35	ug/L			05/30/12 19:53	100
Methylene Chloride	**130**	**J**	500	15	ug/L			05/30/12 19:53	100
4-Methyl-2-pentanone (MIBK)	45	U	200	45	ug/L			05/30/12 19:53	100
Styrene	7.0	U	100	7.0	ug/L			05/30/12 19:53	100
1,1,2,2-Tetrachloroethane	22	U	100	22	ug/L			05/30/12 19:53	100
Tetrachloroethene	13	U	100	13	ug/L			05/30/12 19:53	100
Toluene	**53**	**J**	100	15	ug/L			05/30/12 19:53	100
1,1,1-Trichloroethane	15	U	100	15	ug/L			05/30/12 19:53	100
1,1,2-Trichloroethane	28	U	100	28	ug/L			05/30/12 19:53	100
Trichloroethene	18	U	100	18	ug/L			05/30/12 19:53	100
Vinyl acetate	21	U	200	21	ug/L			05/30/12 19:53	100
o-Xylene	12	U	100	12	ug/L			05/30/12 19:53	100
m-Xylene & p-Xylene	17	U	100	17	ug/L			05/30/12 19:53	100
Xylenes, Total	26	U	100	26	ug/L			05/30/12 19:53	100
cis-1,2-Dichloroethene	**23**	**J**	100	6.0	ug/L			05/30/12 19:53	100
Bromodichloromethane	16	U	100	16	ug/L			05/30/12 19:53	100
1,2-Dichloroethene, Total	**450**		100	30	ug/L			05/30/12 19:53	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*70 - 130*		*05/30/12 19:53*	*100*
Dibromofluoromethane	*87*		*62 - 130*		*05/30/12 19:53*	*100*
4-Bromofluorobenzene	*95*		*67 - 139*		*05/30/12 19:53*	*100*
1,2-Dichloroethane-d4 (Surr)	*88*		*50 - 134*		*05/30/12 19:53*	*100*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**10000**	**B**	1000	55	ug/L			05/31/12 15:00	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*70 - 130*		*05/31/12 15:00*	*500*
Dibromofluoromethane	*91*		*62 - 130*		*05/31/12 15:00*	*500*

Client Sample ID: MW-68-24-3

Lab Sample ID: 600-55476-12

Date Collected: 05/23/12 12:25

Matrix: Water

Date Received: 05/23/12 16:15

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	*97*		*67 - 139*		*05/31/12 15:00*	*500*
1,2-Dichloroethane-d4 (Surr)	*91*		*50 - 134*		*05/31/12 15:00*	*500*

Client Sample ID: MW-66-PRE24-3

Lab Sample ID: 600-55476-13

Date Collected: 05/23/12 12:10

Matrix: Water

Date Received: 05/23/12 16:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**1100**		500	99	ug/L			05/30/12 20:22	100
Chlorobromomethane	18	U	100	18	ug/L			05/30/12 20:22	100
Bromoform	19	U	100	19	ug/L			05/30/12 20:22	100
Bromomethane	25	U	200	25	ug/L			05/30/12 20:22	100
2-Butanone (MEK)	**310**		200	76	ug/L			05/30/12 20:22	100
Carbon disulfide	24	U	200	24	ug/L			05/30/12 20:22	100
Carbon tetrachloride	15	U	100	15	ug/L			05/30/12 20:22	100
Dibromochloromethane	15	U	100	15	ug/L			05/30/12 20:22	100
Chlorobenzene	**2000**		100	12	ug/L			05/30/12 20:22	100
Chloroethane	8.0	U	200	8.0	ug/L			05/30/12 20:22	100
Chloroform	**58**	**J**	100	13	ug/L			05/30/12 20:22	100
Chloromethane	18	U	200	18	ug/L			05/30/12 20:22	100
1,1-Dichloroethane	**3500**		100	11	ug/L			05/30/12 20:22	100
1,1-Dichloroethene	**2200**		100	19	ug/L			05/30/12 20:22	100
trans-1,2-Dichloroethene	**2300**		100	9.0	ug/L			05/30/12 20:22	100
1,2-Dichloropropane	16	U	100	16	ug/L			05/30/12 20:22	100
cis-1,3-Dichloropropene	18	U	100	18	ug/L			05/30/12 20:22	100
trans-1,3-Dichloropropene	21	U	100	21	ug/L			05/30/12 20:22	100
Ethylbenzene	**4800**		100	11	ug/L			05/30/12 20:22	100
2-Hexanone	35	U	200	35	ug/L			05/30/12 20:22	100
Methylene Chloride	**320**	**J**	500	15	ug/L			05/30/12 20:22	100
4-Methyl-2-pentanone (MIBK)	45	U	200	45	ug/L			05/30/12 20:22	100
Styrene	**2000**		100	7.0	ug/L			05/30/12 20:22	100
1,1,2,2-Tetrachloroethane	**360**		100	22	ug/L			05/30/12 20:22	100
Tetrachloroethene	**160**		100	13	ug/L			05/30/12 20:22	100
Toluene	**3200**		100	15	ug/L			05/30/12 20:22	100
1,1,1-Trichloroethane	15	U	100	15	ug/L			05/30/12 20:22	100
Trichloroethene	**1300**		100	18	ug/L			05/30/12 20:22	100
Vinyl acetate	21	U	200	21	ug/L			05/30/12 20:22	100
o-Xylene	**30**	**J**	100	12	ug/L			05/30/12 20:22	100
m-Xylene & p-Xylene	**30**	**J**	100	17	ug/L			05/30/12 20:22	100
Xylenes, Total	**60**	**J**	100	26	ug/L			05/30/12 20:22	100
cis-1,2-Dichloroethene	**1100**		100	6.0	ug/L			05/30/12 20:22	100
Bromodichloromethane	16	U	100	16	ug/L			05/30/12 20:22	100
1,2-Dichloroethene, Total	**3400**		100	30	ug/L			05/30/12 20:22	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*97*		*70 - 130*		*05/30/12 20:22*	*100*
Dibromofluoromethane	*87*		*62 - 130*		*05/30/12 20:22*	*100*
4-Bromofluorobenzene	*97*		*67 - 139*		*05/30/12 20:22*	*100*
1,2-Dichloroethane-d4 (Surr)	*90*		*50 - 134*		*05/30/12 20:22*	*100*

Client Sample ID: MW-66-PRE24-3

Lab Sample ID: 600-55476-13

Date Collected: 05/23/12 12:10

Matrix: Water

Date Received: 05/23/12 16:15

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**7500**		1000	80	ug/L			05/31/12 18:21	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*70 - 130*		*05/31/12 18:21*	*1000*
Dibromofluoromethane	*91*		*62 - 130*		*05/31/12 18:21*	*1000*
4-Bromofluorobenzene	*99*		*67 - 139*		*05/31/12 18:21*	*1000*
1,2-Dichloroethane-d4 (Surr)	*89*		*50 - 134*		*05/31/12 18:21*	*1000*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	**190000**		10000	1400	ug/L			05/31/12 15:28	10000
1,1,2-Trichloroethane	**130000**		10000	2800	ug/L			05/31/12 15:28	10000
Vinyl chloride	**130000**	**B**	20000	1100	ug/L			05/31/12 15:28	10000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*91*		*70 - 130*		*05/31/12 15:28*	*10000*
Dibromofluoromethane	*91*		*62 - 130*		*05/31/12 15:28*	*10000*
4-Bromofluorobenzene	*96*		*67 - 139*		*05/31/12 15:28*	*10000*
1,2-Dichloroethane-d4 (Surr)	*87*		*50 - 134*		*05/31/12 15:28*	*10000*

Client Sample ID: MW-66-24-3

Lab Sample ID: 600-55476-14

Date Collected: 05/23/12 13:10

Matrix: Water

Date Received: 05/23/12 16:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**850**		500	99	ug/L			05/30/12 20:50	100
Chlorobromomethane	18	U	100	18	ug/L			05/30/12 20:50	100
Bromoform	19	U	100	19	ug/L			05/30/12 20:50	100
Bromomethane	25	U	200	25	ug/L			05/30/12 20:50	100
2-Butanone (MEK)	**260**		200	76	ug/L			05/30/12 20:50	100
Carbon disulfide	**160**	**J**	200	24	ug/L			05/30/12 20:50	100
Carbon tetrachloride	15	U	100	15	ug/L			05/30/12 20:50	100
Dibromochloromethane	15	U	100	15	ug/L			05/30/12 20:50	100
Chlorobenzene	**1700**		100	12	ug/L			05/30/12 20:50	100
Chloroethane	8.0	U	200	8.0	ug/L			05/30/12 20:50	100
Chloroform	**30**	**J**	100	13	ug/L			05/30/12 20:50	100
Chloromethane	18	U	200	18	ug/L			05/30/12 20:50	100
1,1-Dichloroethane	**4100**		100	11	ug/L			05/30/12 20:50	100
1,1-Dichloroethene	**2600**		100	19	ug/L			05/30/12 20:50	100
trans-1,2-Dichloroethene	**3500**		100	9.0	ug/L			05/30/12 20:50	100
1,2-Dichloropropane	16	U	100	16	ug/L			05/30/12 20:50	100
cis-1,3-Dichloropropene	18	U	100	18	ug/L			05/30/12 20:50	100
trans-1,3-Dichloropropene	21	U	100	21	ug/L			05/30/12 20:50	100
Ethylbenzene	**4200**		100	11	ug/L			05/30/12 20:50	100
2-Hexanone	35	U	200	35	ug/L			05/30/12 20:50	100
Methylene Chloride	**380**	**J**	500	15	ug/L			05/30/12 20:50	100
4-Methyl-2-pentanone (MIBK)	45	U	200	45	ug/L			05/30/12 20:50	100
Styrene	**1200**		100	7.0	ug/L			05/30/12 20:50	100
1,1,2,2-Tetrachloroethane	**150**		100	22	ug/L			05/30/12 20:50	100
Tetrachloroethene	**150**		100	13	ug/L			05/30/12 20:50	100
Toluene	**2700**		100	15	ug/L			05/30/12 20:50	100

Client Sample ID: MW-66-24-3

Lab Sample ID: 600-55476-14

Date Collected: 05/23/12 13:10

Matrix: Water

Date Received: 05/23/12 16:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	15	U	100	15	ug/L			05/30/12 20:50	100
Trichloroethene	**1300**		100	18	ug/L			05/30/12 20:50	100
Vinyl acetate	21	U	200	21	ug/L			05/30/12 20:50	100
o-Xylene	**24**	**J**	100	12	ug/L			05/30/12 20:50	100
m-Xylene & p-Xylene	**29**	**J**	100	17	ug/L			05/30/12 20:50	100
Xylenes, Total	**53**	**J**	100	26	ug/L			05/30/12 20:50	100
cis-1,2-Dichloroethene	**1600**		100	6.0	ug/L			05/30/12 20:50	100
Bromodichloromethane	16	U	100	16	ug/L			05/30/12 20:50	100
1,2-Dichloroethene, Total	**5100**		100	30	ug/L			05/30/12 20:50	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*70 - 130*		*05/30/12 20:50*	*100*
Dibromofluoromethane	*89*		*62 - 130*		*05/30/12 20:50*	*100*
4-Bromofluorobenzene	*97*		*67 - 139*		*05/30/12 20:50*	*100*
1,2-Dichloroethane-d4 (Surr)	*87*		*50 - 134*		*05/30/12 20:50*	*100*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**7000**		1000	80	ug/L			05/31/12 18:49	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*90*		*70 - 130*		*05/31/12 18:49*	*1000*
Dibromofluoromethane	*86*		*62 - 130*		*05/31/12 18:49*	*1000*
4-Bromofluorobenzene	*96*		*67 - 139*		*05/31/12 18:49*	*1000*
1,2-Dichloroethane-d4 (Surr)	*87*		*50 - 134*		*05/31/12 18:49*	*1000*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	**200000**		10000	1400	ug/L			05/31/12 15:57	10000
1,1,2-Trichloroethane	**110000**		10000	2800	ug/L			05/31/12 15:57	10000
Vinyl chloride	**170000**	**B**	20000	1100	ug/L			05/31/12 15:57	10000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*70 - 130*		*05/31/12 15:57*	*10000*
Dibromofluoromethane	*88*		*62 - 130*		*05/31/12 15:57*	*10000*
4-Bromofluorobenzene	*97*		*67 - 139*		*05/31/12 15:57*	*10000*
1,2-Dichloroethane-d4 (Surr)	*88*		*50 - 134*		*05/31/12 15:57*	*10000*

Client Sample ID: MW-4-PRE24-3

Lab Sample ID: 600-55476-15

Date Collected: 05/23/12 12:35

Matrix: Water

Date Received: 05/23/12 16:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	200	U	1000	200	ug/L			05/31/12 20:16	200
Benzene	**2900**		200	16	ug/L			05/31/12 20:16	200
Chlorobromomethane	36	U	200	36	ug/L			05/31/12 20:16	200
Bromoform	38	U	200	38	ug/L			05/31/12 20:16	200
Bromomethane	50	U	400	50	ug/L			05/31/12 20:16	200
2-Butanone (MEK)	150	U	400	150	ug/L			05/31/12 20:16	200
Carbon disulfide	48	U	400	48	ug/L			05/31/12 20:16	200
Carbon tetrachloride	30	U	200	30	ug/L			05/31/12 20:16	200

Client Sample ID: MW-4-PRE24-3

Lab Sample ID: 600-55476-15

Date Collected: 05/23/12 12:35

Matrix: Water

Date Received: 05/23/12 16:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromochloromethane	30	U	200	30	ug/L			05/31/12 20:16	200
Chlorobenzene	**520**		200	24	ug/L			05/31/12 20:16	200
Chloroethane	16	U	400	16	ug/L			05/31/12 20:16	200
Chloroform	26	U	200	26	ug/L			05/31/12 20:16	200
Chloromethane	36	U	400	36	ug/L			05/31/12 20:16	200
1,1-Dichloroethane	**3400**		200	22	ug/L			05/31/12 20:16	200
1,1-Dichloroethene	**6000**		200	38	ug/L			05/31/12 20:16	200
trans-1,2-Dichloroethene	**6000**		200	18	ug/L			05/31/12 20:16	200
1,2-Dichloropropane	32	U	200	32	ug/L			05/31/12 20:16	200
cis-1,3-Dichloropropene	36	U	200	36	ug/L			05/31/12 20:16	200
trans-1,3-Dichloropropene	42	U	200	42	ug/L			05/31/12 20:16	200
Ethylbenzene	**350**		200	22	ug/L			05/31/12 20:16	200
2-Hexanone	70	U	400	70	ug/L			05/31/12 20:16	200
Methylene Chloride	30	U	1000	30	ug/L			05/31/12 20:16	200
4-Methyl-2-pentanone (MIBK)	90	U	400	90	ug/L			05/31/12 20:16	200
Styrene	14	U	200	14	ug/L			05/31/12 20:16	200
1,1,2,2-Tetrachloroethane	44	U	200	44	ug/L			05/31/12 20:16	200
Tetrachloroethene	**170**	**J**	200	26	ug/L			05/31/12 20:16	200
Toluene	**140**	**J**	200	30	ug/L			05/31/12 20:16	200
1,1,1-Trichloroethane	30	U	200	30	ug/L			05/31/12 20:16	200
1,1,2-Trichloroethane	56	U	200	56	ug/L			05/31/12 20:16	200
Trichloroethene	**860**		200	36	ug/L			05/31/12 20:16	200
Vinyl acetate	42	U	400	42	ug/L			05/31/12 20:16	200
o-Xylene	24	U	200	24	ug/L			05/31/12 20:16	200
m-Xylene & p-Xylene	34	U	200	34	ug/L			05/31/12 20:16	200
Xylenes, Total	52	U	200	52	ug/L			05/31/12 20:16	200
cis-1,2-Dichloroethene	**3000**		200	12	ug/L			05/31/12 20:16	200
Bromodichloromethane	32	U	200	32	ug/L			05/31/12 20:16	200
1,2-Dichloroethene, Total	**9000**		200	60	ug/L			05/31/12 20:16	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*70 - 130*		*05/31/12 20:16*	*200*
Dibromofluoromethane	*108*		*62 - 130*		*05/31/12 20:16*	*200*
4-Bromofluorobenzene	*112*		*67 - 139*		*05/31/12 20:16*	*200*
1,2-Dichloroethane-d4 (Surr)	*123*		*50 - 134*		*05/31/12 20:16*	*200*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	**95000**		20000	2800	ug/L			05/31/12 16:26	20000
Vinyl chloride	**500000**	**B**	40000	2200	ug/L			05/31/12 16:26	20000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*70 - 130*		*05/31/12 16:26*	*20000*
Dibromofluoromethane	*89*		*62 - 130*		*05/31/12 16:26*	*20000*
4-Bromofluorobenzene	*95*		*67 - 139*		*05/31/12 16:26*	*20000*
1,2-Dichloroethane-d4 (Surr)	*84*		*50 - 134*		*05/31/12 16:26*	*20000*

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-55476-1

Client Sample ID: MW-4-24-3

Date Collected: 05/23/12 13:40
Date Received: 05/23/12 16:15

Lab Sample ID: 600-55476-16

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	250	U	1300	250	ug/L			06/04/12 20:46	250
Benzene	**4900**		250	20	ug/L			06/04/12 20:46	250
Chlorobromomethane	45	U	250	45	ug/L			06/04/12 20:46	250
Bromoform	48	U *	250	48	ug/L			06/04/12 20:46	250
Bromomethane	63	U	500	63	ug/L			06/04/12 20:46	250
2-Butanone (MEK)	190	U	500	190	ug/L			06/04/12 20:46	250
Carbon disulfide	60	U	500	60	ug/L			06/04/12 20:46	250
Carbon tetrachloride	38	U *	250	38	ug/L			06/04/12 20:46	250
Dibromochloromethane	38	U *	250	38	ug/L			06/04/12 20:46	250
Chlorobenzene	**930**		250	30	ug/L			06/04/12 20:46	250
Chloroethane	20	U	500	20	ug/L			06/04/12 20:46	250
Chloroform	33	U	250	33	ug/L			06/04/12 20:46	250
Chloromethane	45	U	500	45	ug/L			06/04/12 20:46	250
1,1-Dichloroethane	**5600**		250	28	ug/L			06/04/12 20:46	250
1,1-Dichloroethene	**9300**		250	48	ug/L			06/04/12 20:46	250
trans-1,2-Dichloroethene	**9700**		250	23	ug/L			06/04/12 20:46	250
1,2-Dichloropropane	40	U	250	40	ug/L			06/04/12 20:46	250
cis-1,3-Dichloropropene	45	U	250	45	ug/L			06/04/12 20:46	250
trans-1,3-Dichloropropene	53	U *	250	53	ug/L			06/04/12 20:46	250
Ethylbenzene	**640**		250	28	ug/L			06/04/12 20:46	250
2-Hexanone	88	U	500	88	ug/L			06/04/12 20:46	250
Methylene Chloride	**77**	**J**	1300	38	ug/L			06/04/12 20:46	250
4-Methyl-2-pentanone (MIBK)	110	U	500	110	ug/L			06/04/12 20:46	250
Styrene	18	U	250	18	ug/L			06/04/12 20:46	250
1,1,2,2-Tetrachloroethane	55	U	250	55	ug/L			06/04/12 20:46	250
Tetrachloroethene	**300**		250	33	ug/L			06/04/12 20:46	250
Toluene	**240**	**J**	250	38	ug/L			06/04/12 20:46	250
1,1,1-Trichloroethane	38	U	250	38	ug/L			06/04/12 20:46	250
1,1,2-Trichloroethane	70	U	250	70	ug/L			06/04/12 20:46	250
Trichloroethene	**1500**		250	45	ug/L			06/04/12 20:46	250
Vinyl acetate	53	U	500	53	ug/L			06/04/12 20:46	250
o-Xylene	30	U	250	30	ug/L			06/04/12 20:46	250
m-Xylene & p-Xylene	43	U	250	43	ug/L			06/04/12 20:46	250
Xylenes, Total	65	U	250	65	ug/L			06/04/12 20:46	250
cis-1,2-Dichloroethene	**4900**		250	15	ug/L			06/04/12 20:46	250
Bromodichloromethane	40	U	250	40	ug/L			06/04/12 20:46	250
1,2-Dichloroethene, Total	**15000**		250	75	ug/L			06/04/12 20:46	250

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*91*		*70 - 130*		*06/04/12 20:46*	*250*
Dibromofluoromethane	*88*		*62 - 130*		*06/04/12 20:46*	*250*
4-Bromofluorobenzene	*99*		*67 - 139*		*06/04/12 20:46*	*250*
1,2-Dichloroethane-d4 (Surr)	*91*		*50 - 134*		*06/04/12 20:46*	*250*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	**74000**		20000	2800	ug/L			05/31/12 16:55	20000
Vinyl chloride	**720000**	**B**	40000	2200	ug/L			05/31/12 16:55	20000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*70 - 130*		*05/31/12 16:55*	*20000*
Dibromofluoromethane	*90*		*62 - 130*		*05/31/12 16:55*	*20000*

Client Sample ID: MW-4-24-3

Lab Sample ID: 600-55476-16

Date Collected: 05/23/12 13:40

Matrix: Water

Date Received: 05/23/12 16:15

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	*96*		*67 - 139*		*05/31/12 16:55*	*20000*
1,2-Dichloroethane-d4 (Surr)	*88*		*50 - 134*		*05/31/12 16:55*	*20000*

Client Sample ID: DUP-24-3

Lab Sample ID: 600-55476-17

Date Collected: 05/23/12 00:00

Matrix: Water

Date Received: 05/23/12 16:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	99	U	500	99	ug/L			06/01/12 19:59	100
Benzene	**120**		100	8.0	ug/L			06/01/12 19:59	100
Chlorobromomethane	18	U	100	18	ug/L			06/01/12 19:59	100
Bromoform	19	U *	100	19	ug/L			06/01/12 19:59	100
Bromomethane	25	U	200	25	ug/L			06/01/12 19:59	100
2-Butanone (MEK)	76	U	200	76	ug/L			06/01/12 19:59	100
Carbon disulfide	24	U	200	24	ug/L			06/01/12 19:59	100
Carbon tetrachloride	15	U	100	15	ug/L			06/01/12 19:59	100
Dibromochloromethane	15	U *	100	15	ug/L			06/01/12 19:59	100
Chlorobenzene	**310**		100	12	ug/L			06/01/12 19:59	100
Chloroethane	8.0	U	200	8.0	ug/L			06/01/12 19:59	100
Chloroform	13	U	100	13	ug/L			06/01/12 19:59	100
Chloromethane	18	U	200	18	ug/L			06/01/12 19:59	100
1,1-Dichloroethane	**1200**		100	11	ug/L			06/01/12 19:59	100
1,2-Dichloroethane	**4900**		100	14	ug/L			06/01/12 19:59	100
1,1-Dichloroethene	**820**		100	19	ug/L			06/01/12 19:59	100
trans-1,2-Dichloroethene	**2500**		100	9.0	ug/L			06/01/12 19:59	100
1,2-Dichloropropane	16	U	100	16	ug/L			06/01/12 19:59	100
cis-1,3-Dichloropropene	18	U	100	18	ug/L			06/01/12 19:59	100
trans-1,3-Dichloropropene	21	U *	100	21	ug/L			06/01/12 19:59	100
Ethylbenzene	**24**	**J**	100	11	ug/L			06/01/12 19:59	100
2-Hexanone	35	U	200	35	ug/L			06/01/12 19:59	100
Methylene Chloride	**50**	**J**	500	15	ug/L			06/01/12 19:59	100
4-Methyl-2-pentanone (MIBK)	45	U	200	45	ug/L			06/01/12 19:59	100
Styrene	7.0	U	100	7.0	ug/L			06/01/12 19:59	100
1,1,2,2-Tetrachloroethane	22	U	100	22	ug/L			06/01/12 19:59	100
Tetrachloroethene	13	U	100	13	ug/L			06/01/12 19:59	100
Toluene	15	U	100	15	ug/L			06/01/12 19:59	100
1,1,1-Trichloroethane	15	U	100	15	ug/L			06/01/12 19:59	100
1,1,2-Trichloroethane	28	U	100	28	ug/L			06/01/12 19:59	100
Trichloroethene	**850**		100	18	ug/L			06/01/12 19:59	100
Vinyl acetate	21	U	200	21	ug/L			06/01/12 19:59	100
o-Xylene	12	U	100	12	ug/L			06/01/12 19:59	100
m-Xylene & p-Xylene	17	U	100	17	ug/L			06/01/12 19:59	100
Xylenes, Total	26	U	100	26	ug/L			06/01/12 19:59	100
cis-1,2-Dichloroethene	**4500**		100	6.0	ug/L			06/01/12 19:59	100
Bromodichloromethane	16	U	100	16	ug/L			06/01/12 19:59	100
1,2-Dichloroethene, Total	**7000**		100	30	ug/L			06/01/12 19:59	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*94*		*70 - 130*		*06/01/12 19:59*	*100*
Dibromofluoromethane	*90*		*62 - 130*		*06/01/12 19:59*	*100*

Client Sample ID: DUP-24-3

Lab Sample ID: 600-55476-17

Date Collected: 05/23/12 00:00

Matrix: Water

Date Received: 05/23/12 16:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*67 - 139*		*06/01/12 19:59*	*100*
1,2-Dichloroethane-d4 (Surr)	*94*		*50 - 134*		*06/01/12 19:59*	*100*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**34000**		10000	550	ug/L			06/04/12 15:59	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*70 - 130*		*06/04/12 15:59*	*5000*
Dibromofluoromethane	*87*		*62 - 130*		*06/04/12 15:59*	*5000*
4-Bromofluorobenzene	*96*		*67 - 139*		*06/04/12 15:59*	*5000*
1,2-Dichloroethane-d4 (Surr)	*86*		*50 - 134*		*06/04/12 15:59*	*5000*

Client Sample ID: TRIP BLANK

Lab Sample ID: 600-55476-18

Date Collected: 05/23/12 00:00

Matrix: Water

Date Received: 05/23/12 16:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			06/01/12 18:05	1
Benzene	0.080	U	1.0	0.080	ug/L			06/01/12 18:05	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			06/01/12 18:05	1
Bromoform	0.19	U *	1.0	0.19	ug/L			06/01/12 18:05	1
Bromomethane	0.25	U	2.0	0.25	ug/L			06/01/12 18:05	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			06/01/12 18:05	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			06/01/12 18:05	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			06/01/12 18:05	1
Dibromochloromethane	0.15	U *	1.0	0.15	ug/L			06/01/12 18:05	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			06/01/12 18:05	1
Chloroethane	0.080	U	2.0	0.080	ug/L			06/01/12 18:05	1
Chloroform	0.13	U	1.0	0.13	ug/L			06/01/12 18:05	1
Chloromethane	0.18	U	2.0	0.18	ug/L			06/01/12 18:05	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			06/01/12 18:05	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			06/01/12 18:05	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/01/12 18:05	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			06/01/12 18:05	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			06/01/12 18:05	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			06/01/12 18:05	1
trans-1,3-Dichloropropene	0.21	U *	1.0	0.21	ug/L			06/01/12 18:05	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			06/01/12 18:05	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			06/01/12 18:05	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			06/01/12 18:05	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			06/01/12 18:05	1
Styrene	0.070	U	1.0	0.070	ug/L			06/01/12 18:05	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			06/01/12 18:05	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			06/01/12 18:05	1
Toluene	0.15	U	1.0	0.15	ug/L			06/01/12 18:05	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			06/01/12 18:05	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			06/01/12 18:05	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			06/01/12 18:05	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			06/01/12 18:05	1

Client Sample Results

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-55476-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 600-55476-18

Date Collected: 05/23/12 00:00
Matrix: Water
Date Received: 05/23/12 16:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.11	U	2.0	0.11	ug/L			06/01/12 18:05	1
o-Xylene	0.12	U	1.0	0.12	ug/L			06/01/12 18:05	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			06/01/12 18:05	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			06/01/12 18:05	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			06/01/12 18:05	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			06/01/12 18:05	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			06/01/12 18:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*90*		*70 - 130*		*06/01/12 18:05*	*1*
Dibromofluoromethane	*87*		*62 - 130*		*06/01/12 18:05*	*1*
4-Bromofluorobenzene	*99*		*67 - 139*		*06/01/12 18:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*50 - 134*		*06/01/12 18:05*	*1*

Surrogate Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-55476-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DBFM	BFB	12DCE
Lab Sample ID	Client Sample ID	(70-130)	(62-130)	(67-139)	(50-134)
600-55476-1	MW-71-PRE24-3	101	85	92	76
600-55476-1 - DL	MW-71-PRE24-3	92	87	94	88
600-55476-2	MW-71-24-3	94	85	89	74
600-55476-2 - DL	MW-71-24-3	92	86	98	90
600-55476-3	MW-65-PRE24-3	91	80	100	77
600-55476-3 - DL	MW-65-PRE24-3	91	87	99	85
600-55476-4	MW-65-24-3	91	82	103	86
600-55476-4	MW-65-24-3	95	94	102	97
600-55476-4 - DL	MW-65-24-3	94	86	98	87
600-55476-5	MW-8-PRE24-3	100	86	103	79
600-55476-5 - DL	MW-8-PRE24-3	91	86	94	87
600-55476-6	MW-8-24-3	92	86	92	82
600-55476-6 - DL	MW-8-24-3	89	91	97	88
600-55476-7 - DL	MW-11-PRE24-3	93	87	98	84
600-55476-7	MW-11-PRE24-3	95	85	93	85
600-55476-8 - DL	MW-11-24-3	95	89	100	91
600-55476-8	MW-11-24-3	92	90	95	88
600-55476-9	MW-40-PRE24-3	94	87	95	86
600-55476-9 - DL	MW-40-PRE24-3	93	89	97	87
600-55476-9 MS - DL	MW-40-PRE24-3	92	95	100	92
600-55476-9 MSD - DL	MW-40-PRE24-3	94	91	101	85
600-55476-10	MW-40-24-3	94	86	98	89
600-55476-10 - DL	MW-40-24-3	93	88	97	87
600-55476-11	MW-68-PRE24-3	94	88	99	90
600-55476-11 - DL	MW-68-PRE24-3	91	91	100	89
600-55476-12	MW-68-24-3	95	87	95	88
600-55476-12 - DL	MW-68-24-3	92	91	97	91
600-55476-13	MW-66-PRE24-3	97	87	97	90
600-55476-13 - DL2	MW-66-PRE24-3	91	91	96	87
600-55476-13 - DL	MW-66-PRE24-3	92	91	99	89
600-55476-14	MW-66-24-3	96	89	97	87
600-55476-14 - DL2	MW-66-24-3	92	88	97	88
600-55476-14 - DL	MW-66-24-3	90	86	96	87
600-55476-15 - DL	MW-4-PRE24-3	96	89	95	84
600-55476-15	MW-4-PRE24-3	104	108	112	123
600-55476-16 - DL	MW-4-24-3	93	90	96	88
600-55476-16	MW-4-24-3	91	88	99	91
600-55476-17	DUP-24-3	94	90	102	94
600-55476-17 - DL	DUP-24-3	94	87	96	86
600-55476-18	TRIP BLANK	90	87	99	89
600-55476-B-1 MS - DL	600-55476-B-1 MS	94	90	97	89
600-55476-B-1 MSD - DL	600-55476-B-1 MSD	92	92	96	87
LCS 600-80290/3	Lab Control Sample	95	91	101	89
LCS 600-80427/8	Lab Control Sample	90	84	95	87
LCS 600-80485/3	Lab Control Sample	93	91	99	92
LCS 600-80617/5	Lab Control Sample	96	94	100	93
LCS 600-80641/3	Lab Control Sample	95	90	103	92
LCS 600-80714/3	Lab Control Sample	91	96	97	92
MB 600-80290/4	Method Blank	94	88	99	87
MB 600-80427/9	Method Blank	89	83	93	86

Surrogate Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-55476-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DBFM	BFB	12DCE
Lab Sample ID	Client Sample ID	(70-130)	(62-130)	(67-139)	(50-134)
MB 600-80485/4	Method Blank	92	89	98	89
MB 600-80617/22	Method Blank	93	90	97	89
MB 600-80641/4	Method Blank	95	88	96	93
MB 600-80714/4	Method Blank	90	89	98	90

Surrogate Legend

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane

BFB = 4-Bromofluorobenzene

12DCE = 1,2-Dichloroethane-d4 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 600-80290/4
Matrix: Water
Analysis Batch: 80290

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			05/30/12 11:16	1
Benzene	0.080	U	1.0	0.080	ug/L			05/30/12 11:16	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			05/30/12 11:16	1
Bromoform	0.19	U	1.0	0.19	ug/L			05/30/12 11:16	1
Bromomethane	0.25	U	2.0	0.25	ug/L			05/30/12 11:16	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			05/30/12 11:16	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			05/30/12 11:16	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			05/30/12 11:16	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			05/30/12 11:16	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			05/30/12 11:16	1
Chloroethane	0.080	U	2.0	0.080	ug/L			05/30/12 11:16	1
Chloroform	0.13	U	1.0	0.13	ug/L			05/30/12 11:16	1
Chloromethane	0.18	U	2.0	0.18	ug/L			05/30/12 11:16	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			05/30/12 11:16	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			05/30/12 11:16	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			05/30/12 11:16	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			05/30/12 11:16	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			05/30/12 11:16	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			05/30/12 11:16	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			05/30/12 11:16	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			05/30/12 11:16	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			05/30/12 11:16	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			05/30/12 11:16	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			05/30/12 11:16	1
Styrene	0.070	U	1.0	0.070	ug/L			05/30/12 11:16	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			05/30/12 11:16	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			05/30/12 11:16	1
Toluene	0.15	U	1.0	0.15	ug/L			05/30/12 11:16	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			05/30/12 11:16	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			05/30/12 11:16	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			05/30/12 11:16	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			05/30/12 11:16	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			05/30/12 11:16	1
o-Xylene	0.12	U	1.0	0.12	ug/L			05/30/12 11:16	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			05/30/12 11:16	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			05/30/12 11:16	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			05/30/12 11:16	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			05/30/12 11:16	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			05/30/12 11:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*70 - 130*		*05/30/12 11:16*	*1*
Dibromofluoromethane	*88*		*62 - 130*		*05/30/12 11:16*	*1*
4-Bromofluorobenzene	*99*		*67 - 139*		*05/30/12 11:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*50 - 134*		*05/30/12 11:16*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-80290/3
Matrix: Water
Analysis Batch: 80290

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	15.0		ug/L		75	28 - 152
Benzene	10.0	9.74		ug/L		97	69 - 131
Chlorobromomethane	10.0	9.45		ug/L		94	60 - 141
Bromoform	10.0	12.2		ug/L		122	39 - 149
Bromomethane	10.0	9.59		ug/L		96	52 - 146
2-Butanone (MEK)	20.0	16.2		ug/L		81	59 - 133
Carbon disulfide	10.0	8.88		ug/L		89	32 - 177
Carbon tetrachloride	10.0	12.3		ug/L		123	59 - 147
Dibromochloromethane	10.0	11.2		ug/L		112	58 - 132
Chlorobenzene	10.0	9.80		ug/L		98	60 - 136
Chloroethane	10.0	9.74		ug/L		97	56 - 144
Chloroform	10.0	10.3		ug/L		103	69 - 128
Chloromethane	10.0	7.83		ug/L		78	32 - 151
1,1-Dichloroethane	10.0	10.2		ug/L		102	66 - 126
1,2-Dichloroethane	10.0	10.3		ug/L		103	66 - 140
1,1-Dichloroethene	10.0	9.74		ug/L		97	59 - 145
trans-1,2-Dichloroethene	10.0	9.75		ug/L		98	70 - 132
1,2-Dichloropropane	10.0	10.0		ug/L		100	72 - 125
cis-1,3-Dichloropropene	10.0	11.7		ug/L		117	60 - 135
trans-1,3-Dichloropropene	10.0	12.6		ug/L		126	63 - 133
Ethylbenzene	10.0	9.87		ug/L		99	68 - 128
2-Hexanone	20.0	19.6		ug/L		98	51 - 130
Methylene Chloride	10.0	9.17		ug/L		92	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	19.4		ug/L		97	56 - 142
Styrene	10.0	10.0		ug/L		100	68 - 133
1,1,2,2-Tetrachloroethane	10.0	10.8		ug/L		108	68 - 134
Tetrachloroethene	10.0	10.1		ug/L		101	61 - 142
Toluene	10.0	9.96		ug/L		100	67 - 130
1,1,1-Trichloroethane	10.0	11.4		ug/L		114	65 - 142
1,1,2-Trichloroethane	10.0	9.36		ug/L		94	68 - 130
Trichloroethene	10.0	9.56		ug/L		96	68 - 130
Vinyl acetate	10.0	8.53		ug/L		85	58 - 175
Vinyl chloride	10.0	8.04		ug/L		80	47 - 146
o-Xylene	10.0	9.90		ug/L		99	68 - 134
m-Xylene & p-Xylene	20.0	19.9		ug/L		100	67 - 132
Xylenes, Total	30.0	29.8		ug/L		99	68 - 132
cis-1,2-Dichloroethene	10.0	9.00		ug/L		90	69 - 129
Bromodichloromethane	10.0	10.8		ug/L		108	73 - 130
1,2-Dichloroethene, Total	20.0	18.8		ug/L		94	65 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*95*		*70 - 130*
Dibromofluoromethane	*91*		*62 - 130*
4-Bromofluorobenzene	*101*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*89*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 600-80427/9
Matrix: Water
Analysis Batch: 80427

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			05/30/12 15:12	1
Benzene	0.080	U	1.0	0.080	ug/L			05/30/12 15:12	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			05/30/12 15:12	1
Bromoform	0.19	U	1.0	0.19	ug/L			05/30/12 15:12	1
Bromomethane	0.25	U	2.0	0.25	ug/L			05/30/12 15:12	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			05/30/12 15:12	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			05/30/12 15:12	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			05/30/12 15:12	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			05/30/12 15:12	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			05/30/12 15:12	1
Chloroethane	0.080	U	2.0	0.080	ug/L			05/30/12 15:12	1
Chloroform	0.13	U	1.0	0.13	ug/L			05/30/12 15:12	1
Chloromethane	0.18	U	2.0	0.18	ug/L			05/30/12 15:12	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			05/30/12 15:12	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			05/30/12 15:12	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			05/30/12 15:12	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			05/30/12 15:12	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			05/30/12 15:12	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			05/30/12 15:12	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			05/30/12 15:12	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			05/30/12 15:12	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			05/30/12 15:12	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			05/30/12 15:12	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			05/30/12 15:12	1
Styrene	0.070	U	1.0	0.070	ug/L			05/30/12 15:12	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			05/30/12 15:12	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			05/30/12 15:12	1
Toluene	0.15	U	1.0	0.15	ug/L			05/30/12 15:12	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			05/30/12 15:12	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			05/30/12 15:12	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			05/30/12 15:12	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			05/30/12 15:12	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			05/30/12 15:12	1
o-Xylene	0.12	U	1.0	0.12	ug/L			05/30/12 15:12	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			05/30/12 15:12	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			05/30/12 15:12	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			05/30/12 15:12	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			05/30/12 15:12	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			05/30/12 15:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*89*		*70 - 130*		*05/30/12 15:12*	*1*
Dibromofluoromethane	*83*		*62 - 130*		*05/30/12 15:12*	*1*
4-Bromofluorobenzene	*93*		*67 - 139*		*05/30/12 15:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*86*		*50 - 134*		*05/30/12 15:12*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-80427/8
Matrix: Water
Analysis Batch: 80427

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	19.7		ug/L		98	28 - 152
Benzene	10.0	9.45		ug/L		95	69 - 131
Chlorobromomethane	10.0	10.1		ug/L		101	60 - 141
Bromoform	10.0	8.94		ug/L		89	39 - 149
Bromomethane	10.0	6.76		ug/L		68	52 - 146
2-Butanone (MEK)	20.0	19.6		ug/L		98	59 - 133
Carbon disulfide	10.0	8.91		ug/L		89	32 - 177
Carbon tetrachloride	10.0	9.47		ug/L		95	59 - 147
Dibromochloromethane	10.0	8.93		ug/L		89	58 - 132
Chlorobenzene	10.0	9.57		ug/L		96	60 - 136
Chloroethane	10.0	9.22		ug/L		92	56 - 144
Chloroform	10.0	9.15		ug/L		91	69 - 128
Chloromethane	10.0	9.42		ug/L		94	32 - 151
1,1-Dichloroethane	10.0	9.52		ug/L		95	66 - 126
1,2-Dichloroethane	10.0	9.76		ug/L		98	66 - 140
1,1-Dichloroethene	10.0	9.25		ug/L		92	59 - 145
trans-1,2-Dichloroethene	10.0	9.51		ug/L		95	70 - 132
1,2-Dichloropropane	10.0	9.66		ug/L		97	72 - 125
cis-1,3-Dichloropropene	10.0	9.95		ug/L		100	60 - 135
trans-1,3-Dichloropropene	10.0	9.85		ug/L		99	63 - 133
Ethylbenzene	10.0	9.57		ug/L		96	68 - 128
2-Hexanone	20.0	15.7		ug/L		78	51 - 130
Methylene Chloride	10.0	10.0		ug/L		100	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	20.8		ug/L		104	56 - 142
Styrene	10.0	9.72		ug/L		97	68 - 133
1,1,2,2-Tetrachloroethane	10.0	8.43		ug/L		84	68 - 134
Tetrachloroethene	10.0	9.92		ug/L		99	61 - 142
Toluene	10.0	9.70		ug/L		97	67 - 130
1,1,1-Trichloroethane	10.0	9.43		ug/L		94	65 - 142
1,1,2-Trichloroethane	10.0	10.1		ug/L		101	68 - 130
Trichloroethene	10.0	10.5		ug/L		105	68 - 130
Vinyl acetate	10.0	6.82		ug/L		68	58 - 175
Vinyl chloride	10.0	10.8		ug/L		108	47 - 146
o-Xylene	10.0	9.73		ug/L		97	68 - 134
m-Xylene & p-Xylene	20.0	19.8		ug/L		99	67 - 132
Xylenes, Total	30.0	29.5		ug/L		98	68 - 132
cis-1,2-Dichloroethene	10.0	9.80		ug/L		98	69 - 129
Bromodichloromethane	10.0	8.51		ug/L		85	73 - 130
1,2-Dichloroethene, Total	20.0	19.3		ug/L		97	65 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*90*		*70 - 130*
Dibromofluoromethane	*84*		*62 - 130*
4-Bromofluorobenzene	*95*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*87*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 600-80485/4
Matrix: Water
Analysis Batch: 80485

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			05/31/12 10:28	1
Benzene	0.080	U	1.0	0.080	ug/L			05/31/12 10:28	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			05/31/12 10:28	1
Bromoform	0.19	U	1.0	0.19	ug/L			05/31/12 10:28	1
Bromomethane	0.25	U	2.0	0.25	ug/L			05/31/12 10:28	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			05/31/12 10:28	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			05/31/12 10:28	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			05/31/12 10:28	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			05/31/12 10:28	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			05/31/12 10:28	1
Chloroethane	0.080	U	2.0	0.080	ug/L			05/31/12 10:28	1
Chloroform	0.13	U	1.0	0.13	ug/L			05/31/12 10:28	1
Chloromethane	0.18	U	2.0	0.18	ug/L			05/31/12 10:28	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			05/31/12 10:28	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			05/31/12 10:28	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			05/31/12 10:28	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			05/31/12 10:28	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			05/31/12 10:28	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			05/31/12 10:28	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			05/31/12 10:28	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			05/31/12 10:28	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			05/31/12 10:28	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			05/31/12 10:28	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			05/31/12 10:28	1
Styrene	0.070	U	1.0	0.070	ug/L			05/31/12 10:28	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			05/31/12 10:28	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			05/31/12 10:28	1
Toluene	0.15	U	1.0	0.15	ug/L			05/31/12 10:28	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			05/31/12 10:28	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			05/31/12 10:28	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			05/31/12 10:28	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			05/31/12 10:28	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			05/31/12 10:28	1
o-Xylene	0.12	U	1.0	0.12	ug/L			05/31/12 10:28	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			05/31/12 10:28	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			05/31/12 10:28	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			05/31/12 10:28	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			05/31/12 10:28	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			05/31/12 10:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*70 - 130*		*05/31/12 10:28*	*1*
Dibromofluoromethane	*89*		*62 - 130*		*05/31/12 10:28*	*1*
4-Bromofluorobenzene	*98*		*67 - 139*		*05/31/12 10:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*50 - 134*		*05/31/12 10:28*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-80485/3
Matrix: Water
Analysis Batch: 80485

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	14.9		ug/L		74	28 - 152
Benzene	10.0	9.81		ug/L		98	69 - 131
Chlorobromomethane	10.0	9.39		ug/L		94	60 - 141
Bromoform	10.0	11.5		ug/L		115	39 - 149
Bromomethane	10.0	10.4		ug/L		104	52 - 146
2-Butanone (MEK)	20.0	15.5		ug/L		78	59 - 133
Carbon disulfide	10.0	9.20		ug/L		92	32 - 177
Carbon tetrachloride	10.0	12.3		ug/L		123	59 - 147
Dibromochloromethane	10.0	10.9		ug/L		109	58 - 132
Chlorobenzene	10.0	9.65		ug/L		96	60 - 136
Chloroethane	10.0	10.3		ug/L		103	56 - 144
Chloroform	10.0	10.3		ug/L		103	69 - 128
Chloromethane	10.0	8.38		ug/L		84	32 - 151
1,1-Dichloroethane	10.0	10.3		ug/L		103	66 - 126
1,2-Dichloroethane	10.0	10.4		ug/L		104	66 - 140
1,1-Dichloroethene	10.0	10.1		ug/L		101	59 - 145
trans-1,2-Dichloroethene	10.0	10.0		ug/L		100	70 - 132
1,2-Dichloropropane	10.0	10.1		ug/L		101	72 - 125
cis-1,3-Dichloropropene	10.0	11.3		ug/L		113	60 - 135
trans-1,3-Dichloropropene	10.0	12.2		ug/L		122	63 - 133
Ethylbenzene	10.0	9.63		ug/L		96	68 - 128
2-Hexanone	20.0	19.3		ug/L		97	51 - 130
Methylene Chloride	10.0	10.4		ug/L		104	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	19.1		ug/L		96	56 - 142
Styrene	10.0	10.1		ug/L		101	68 - 133
1,1,2,2-Tetrachloroethane	10.0	10.9		ug/L		109	68 - 134
Tetrachloroethene	10.0	10.2		ug/L		102	61 - 142
Toluene	10.0	9.89		ug/L		99	67 - 130
1,1,1-Trichloroethane	10.0	11.3		ug/L		113	65 - 142
1,1,2-Trichloroethane	10.0	10.2		ug/L		102	68 - 130
Trichloroethene	10.0	9.72		ug/L		97	68 - 130
Vinyl acetate	10.0	8.60		ug/L		86	58 - 175
Vinyl chloride	10.0	8.22		ug/L		82	47 - 146
o-Xylene	10.0	9.86		ug/L		99	68 - 134
m-Xylene & p-Xylene	20.0	19.6		ug/L		98	67 - 132
Xylenes, Total	30.0	29.5		ug/L		98	68 - 132
cis-1,2-Dichloroethene	10.0	9.50		ug/L		95	69 - 129
Bromodichloromethane	10.0	10.6		ug/L		106	73 - 130
1,2-Dichloroethene, Total	20.0	19.5		ug/L		98	65 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*93*		*70 - 130*
Dibromofluoromethane	*91*		*62 - 130*
4-Bromofluorobenzene	*99*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*92*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 600-80617/22
Matrix: Water
Analysis Batch: 80617

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			06/01/12 13:46	1
Benzene	0.080	U	1.0	0.080	ug/L			06/01/12 13:46	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			06/01/12 13:46	1
Bromoform	0.19	U	1.0	0.19	ug/L			06/01/12 13:46	1
Bromomethane	0.25	U	2.0	0.25	ug/L			06/01/12 13:46	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			06/01/12 13:46	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			06/01/12 13:46	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			06/01/12 13:46	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			06/01/12 13:46	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			06/01/12 13:46	1
Chloroethane	0.080	U	2.0	0.080	ug/L			06/01/12 13:46	1
Chloroform	0.13	U	1.0	0.13	ug/L			06/01/12 13:46	1
Chloromethane	0.18	U	2.0	0.18	ug/L			06/01/12 13:46	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			06/01/12 13:46	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			06/01/12 13:46	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/01/12 13:46	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			06/01/12 13:46	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			06/01/12 13:46	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			06/01/12 13:46	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			06/01/12 13:46	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			06/01/12 13:46	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			06/01/12 13:46	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			06/01/12 13:46	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			06/01/12 13:46	1
Styrene	0.070	U	1.0	0.070	ug/L			06/01/12 13:46	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			06/01/12 13:46	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			06/01/12 13:46	1
Toluene	0.15	U	1.0	0.15	ug/L			06/01/12 13:46	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			06/01/12 13:46	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			06/01/12 13:46	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			06/01/12 13:46	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			06/01/12 13:46	1
Vinyl chloride	2.35		2.0	0.11	ug/L			06/01/12 13:46	1
o-Xylene	0.12	U	1.0	0.12	ug/L			06/01/12 13:46	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			06/01/12 13:46	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			06/01/12 13:46	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			06/01/12 13:46	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			06/01/12 13:46	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			06/01/12 13:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*70 - 130*		*06/01/12 13:46*	*1*
Dibromofluoromethane	*90*		*62 - 130*		*06/01/12 13:46*	*1*
4-Bromofluorobenzene	*97*		*67 - 139*		*06/01/12 13:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*50 - 134*		*06/01/12 13:46*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-80617/5
Matrix: Water
Analysis Batch: 80617

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	16.1		ug/L		80	28 - 152
Benzene	10.0	9.27		ug/L		93	69 - 131
Chlorobromomethane	10.0	9.44		ug/L		94	60 - 141
Bromoform	10.0	16.9	*	ug/L		169	39 - 149
Bromomethane	10.0	10.7		ug/L		107	52 - 146
2-Butanone (MEK)	20.0	17.7		ug/L		89	59 - 133
Carbon disulfide	10.0	8.62		ug/L		86	32 - 177
Carbon tetrachloride	10.0	14.2		ug/L		142	59 - 147
Dibromochloromethane	10.0	13.8	*	ug/L		138	58 - 132
Chlorobenzene	10.0	9.27		ug/L		93	60 - 136
Chloroethane	10.0	10.7		ug/L		107	56 - 144
Chloroform	10.0	9.44		ug/L		94	69 - 128
Chloromethane	10.0	8.76		ug/L		88	32 - 151
1,1-Dichloroethane	10.0	9.68		ug/L		97	66 - 126
1,2-Dichloroethane	10.0	10.1		ug/L		101	66 - 140
1,1-Dichloroethene	10.0	9.95		ug/L		100	59 - 145
trans-1,2-Dichloroethene	10.0	9.83		ug/L		98	70 - 132
1,2-Dichloropropane	10.0	9.75		ug/L		98	72 - 125
cis-1,3-Dichloropropene	10.0	12.9		ug/L		129	60 - 135
trans-1,3-Dichloropropene	10.0	15.5	*	ug/L		155	63 - 133
Ethylbenzene	10.0	9.19		ug/L		92	68 - 128
2-Hexanone	20.0	18.5		ug/L		93	51 - 130
Methylene Chloride	10.0	9.01		ug/L		90	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	19.7		ug/L		99	56 - 142
Styrene	10.0	9.58		ug/L		96	68 - 133
1,1,2,2-Tetrachloroethane	10.0	10.5		ug/L		105	68 - 134
Tetrachloroethene	10.0	9.20		ug/L		92	61 - 142
Toluene	10.0	9.44		ug/L		94	67 - 130
1,1,1-Trichloroethane	10.0	11.5		ug/L		115	65 - 142
1,1,2-Trichloroethane	10.0	10.1		ug/L		101	68 - 130
Trichloroethene	10.0	8.97		ug/L		90	68 - 130
Vinyl acetate	10.0	8.45		ug/L		84	58 - 175
Vinyl chloride	10.0	10.2		ug/L		102	47 - 146
o-Xylene	10.0	9.29		ug/L		93	68 - 134
m-Xylene & p-Xylene	20.0	19.0		ug/L		95	67 - 132
Xylenes, Total	30.0	28.3		ug/L		94	68 - 132
cis-1,2-Dichloroethene	10.0	8.76		ug/L		88	69 - 129
Bromodichloromethane	10.0	11.6		ug/L		116	73 - 130
1,2-Dichloroethene, Total	20.0	18.6		ug/L		93	65 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*96*		*70 - 130*
Dibromofluoromethane	*94*		*62 - 130*
4-Bromofluorobenzene	*100*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*93*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 600-80641/4
Matrix: Water
Analysis Batch: 80641

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			06/04/12 10:44	1
Benzene	0.080	U	1.0	0.080	ug/L			06/04/12 10:44	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			06/04/12 10:44	1
Bromoform	0.19	U	1.0	0.19	ug/L			06/04/12 10:44	1
Bromomethane	0.25	U	2.0	0.25	ug/L			06/04/12 10:44	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			06/04/12 10:44	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			06/04/12 10:44	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			06/04/12 10:44	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			06/04/12 10:44	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			06/04/12 10:44	1
Chloroethane	0.080	U	2.0	0.080	ug/L			06/04/12 10:44	1
Chloroform	0.13	U	1.0	0.13	ug/L			06/04/12 10:44	1
Chloromethane	0.18	U	2.0	0.18	ug/L			06/04/12 10:44	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			06/04/12 10:44	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			06/04/12 10:44	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/04/12 10:44	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			06/04/12 10:44	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			06/04/12 10:44	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			06/04/12 10:44	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			06/04/12 10:44	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			06/04/12 10:44	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			06/04/12 10:44	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			06/04/12 10:44	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			06/04/12 10:44	1
Styrene	0.070	U	1.0	0.070	ug/L			06/04/12 10:44	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			06/04/12 10:44	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			06/04/12 10:44	1
Toluene	0.15	U	1.0	0.15	ug/L			06/04/12 10:44	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			06/04/12 10:44	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			06/04/12 10:44	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			06/04/12 10:44	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			06/04/12 10:44	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			06/04/12 10:44	1
o-Xylene	0.12	U	1.0	0.12	ug/L			06/04/12 10:44	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			06/04/12 10:44	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			06/04/12 10:44	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			06/04/12 10:44	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			06/04/12 10:44	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			06/04/12 10:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*70 - 130*		*06/04/12 10:44*	*1*
Dibromofluoromethane	*88*		*62 - 130*		*06/04/12 10:44*	*1*
4-Bromofluorobenzene	*96*		*67 - 139*		*06/04/12 10:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*50 - 134*		*06/04/12 10:44*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-80641/3
Matrix: Water
Analysis Batch: 80641

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	16.5		ug/L		82	28 - 152
Benzene	10.0	10.4		ug/L		104	69 - 131
Chlorobromomethane	10.0	9.52		ug/L		95	60 - 141
Bromoform	10.0	16.6	*	ug/L		166	39 - 149
Bromomethane	10.0	10.8		ug/L		108	52 - 146
2-Butanone (MEK)	20.0	15.5		ug/L		77	59 - 133
Carbon disulfide	10.0	9.22		ug/L		92	32 - 177
Carbon tetrachloride	10.0	14.8	*	ug/L		148	59 - 147
Dibromochloromethane	10.0	13.6	*	ug/L		136	58 - 132
Chlorobenzene	10.0	9.96		ug/L		100	60 - 136
Chloroethane	10.0	11.0		ug/L		110	56 - 144
Chloroform	10.0	10.6		ug/L		106	69 - 128
Chloromethane	10.0	7.31		ug/L		73	32 - 151
1,1-Dichloroethane	10.0	10.7		ug/L		107	66 - 126
1,2-Dichloroethane	10.0	10.5		ug/L		105	66 - 140
1,1-Dichloroethene	10.0	11.4		ug/L		114	59 - 145
trans-1,2-Dichloroethene	10.0	10.7		ug/L		107	70 - 132
1,2-Dichloropropane	10.0	10.5		ug/L		105	72 - 125
cis-1,3-Dichloropropene	10.0	13.2		ug/L		132	60 - 135
trans-1,3-Dichloropropene	10.0	14.6	*	ug/L		146	63 - 133
Ethylbenzene	10.0	10.4		ug/L		104	68 - 128
2-Hexanone	20.0	18.8		ug/L		94	51 - 130
Methylene Chloride	10.0	10.0		ug/L		100	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	19.3		ug/L		96	56 - 142
Styrene	10.0	10.5		ug/L		105	68 - 133
1,1,2,2-Tetrachloroethane	10.0	10.8		ug/L		108	68 - 134
Tetrachloroethene	10.0	10.4		ug/L		104	61 - 142
Toluene	10.0	10.3		ug/L		103	67 - 130
1,1,1-Trichloroethane	10.0	12.5		ug/L		125	65 - 142
1,1,2-Trichloroethane	10.0	10.6		ug/L		106	68 - 130
Trichloroethene	10.0	9.99		ug/L		100	68 - 130
Vinyl acetate	10.0	8.73		ug/L		87	58 - 175
Vinyl chloride	10.0	8.53		ug/L		85	47 - 146
o-Xylene	10.0	10.2		ug/L		102	68 - 134
m-Xylene & p-Xylene	20.0	20.7		ug/L		104	67 - 132
Xylenes, Total	30.0	30.9		ug/L		103	68 - 132
cis-1,2-Dichloroethene	10.0	9.63		ug/L		96	69 - 129
Bromodichloromethane	10.0	12.0		ug/L		120	73 - 130
1,2-Dichloroethene, Total	20.0	20.3		ug/L		102	65 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*95*		*70 - 130*
Dibromofluoromethane	*90*		*62 - 130*
4-Bromofluorobenzene	*103*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*92*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 600-80714/4
Matrix: Water
Analysis Batch: 80714

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			06/04/12 23:56	1
Benzene	0.080	U	1.0	0.080	ug/L			06/04/12 23:56	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			06/04/12 23:56	1
Bromoform	0.19	U	1.0	0.19	ug/L			06/04/12 23:56	1
Bromomethane	0.25	U	2.0	0.25	ug/L			06/04/12 23:56	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			06/04/12 23:56	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			06/04/12 23:56	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			06/04/12 23:56	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			06/04/12 23:56	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			06/04/12 23:56	1
Chloroethane	0.080	U	2.0	0.080	ug/L			06/04/12 23:56	1
Chloroform	0.13	U	1.0	0.13	ug/L			06/04/12 23:56	1
Chloromethane	0.18	U	2.0	0.18	ug/L			06/04/12 23:56	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			06/04/12 23:56	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			06/04/12 23:56	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/04/12 23:56	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			06/04/12 23:56	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			06/04/12 23:56	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			06/04/12 23:56	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			06/04/12 23:56	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			06/04/12 23:56	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			06/04/12 23:56	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			06/04/12 23:56	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			06/04/12 23:56	1
Styrene	0.070	U	1.0	0.070	ug/L			06/04/12 23:56	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			06/04/12 23:56	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			06/04/12 23:56	1
Toluene	0.15	U	1.0	0.15	ug/L			06/04/12 23:56	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			06/04/12 23:56	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			06/04/12 23:56	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			06/04/12 23:56	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			06/04/12 23:56	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			06/04/12 23:56	1
o-Xylene	0.12	U	1.0	0.12	ug/L			06/04/12 23:56	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			06/04/12 23:56	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			06/04/12 23:56	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			06/04/12 23:56	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			06/04/12 23:56	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			06/04/12 23:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*90*		*70 - 130*		*06/04/12 23:56*	*1*
Dibromofluoromethane	*89*		*62 - 130*		*06/04/12 23:56*	*1*
4-Bromofluorobenzene	*98*		*67 - 139*		*06/04/12 23:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*50 - 134*		*06/04/12 23:56*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-80714/3
Matrix: Water
Analysis Batch: 80714

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	18.0		ug/L		90	28 - 152
Benzene	10.0	10.2		ug/L		102	69 - 131
Chlorobromomethane	10.0	9.50		ug/L		95	60 - 141
Bromoform	10.0	13.4		ug/L		134	39 - 149
Bromomethane	10.0	9.95		ug/L		99	52 - 146
2-Butanone (MEK)	20.0	16.5		ug/L		82	59 - 133
Carbon disulfide	10.0	8.96		ug/L		90	32 - 177
Carbon tetrachloride	10.0	12.7		ug/L		127	59 - 147
Dibromochloromethane	10.0	12.1		ug/L		121	58 - 132
Chlorobenzene	10.0	9.62		ug/L		96	60 - 136
Chloroethane	10.0	10.3		ug/L		103	56 - 144
Chloroform	10.0	10.0		ug/L		100	69 - 128
Chloromethane	10.0	6.84		ug/L		68	32 - 151
1,1-Dichloroethane	10.0	10.5		ug/L		105	66 - 126
1,2-Dichloroethane	10.0	10.9		ug/L		109	66 - 140
1,1-Dichloroethene	10.0	10.8		ug/L		108	59 - 145
trans-1,2-Dichloroethene	10.0	10.4		ug/L		104	70 - 132
1,2-Dichloropropane	10.0	10.5		ug/L		105	72 - 125
cis-1,3-Dichloropropene	10.0	11.4		ug/L		114	60 - 135
trans-1,3-Dichloropropene	10.0	12.7		ug/L		127	63 - 133
Ethylbenzene	10.0	9.83		ug/L		98	68 - 128
2-Hexanone	20.0	18.6		ug/L		93	51 - 130
Methylene Chloride	10.0	9.45		ug/L		94	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	19.1		ug/L		95	56 - 142
Styrene	10.0	10.2		ug/L		102	68 - 133
1,1,2,2-Tetrachloroethane	10.0	10.5		ug/L		105	68 - 134
Tetrachloroethene	10.0	10.5		ug/L		105	61 - 142
Toluene	10.0	9.88		ug/L		99	67 - 130
1,1,1-Trichloroethane	10.0	11.7		ug/L		117	65 - 142
1,1,2-Trichloroethane	10.0	10.1		ug/L		101	68 - 130
Trichloroethene	10.0	9.83		ug/L		98	68 - 130
Vinyl acetate	10.0	9.00		ug/L		90	58 - 175
Vinyl chloride	10.0	7.36		ug/L		74	47 - 146
o-Xylene	10.0	9.74		ug/L		97	68 - 134
m-Xylene & p-Xylene	20.0	20.2		ug/L		101	67 - 132
Xylenes, Total	30.0	29.9		ug/L		100	68 - 132
cis-1,2-Dichloroethene	10.0	9.57		ug/L		96	69 - 129
Bromodichloromethane	10.0	11.3		ug/L		113	73 - 130
1,2-Dichloroethene, Total	20.0	20.0		ug/L		100	65 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*91*		*70 - 130*
Dibromofluoromethane	*96*		*62 - 130*
4-Bromofluorobenzene	*97*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*92*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Lab Sample ID: 600-55476-9 MS
Matrix: Water
Analysis Batch: 80485

Client Sample ID: MW-40-PRE24-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone - DL	500		10000	7860		ug/L		79	60 - 140
Benzene - DL	120		5000	5050		ug/L		99	65 - 125
Chlorobromomethane - DL	90		5000	4870		ug/L		97	60 - 140
Bromoform - DL	95		5000	5880		ug/L		118	60 - 140
Bromomethane - DL	130		5000	5130		ug/L		103	60 - 140
2-Butanone (MEK) - DL	380		10000	7790		ug/L		78	60 - 140
Carbon disulfide - DL	120		5000	4510		ug/L		90	60 - 140
Carbon tetrachloride - DL	75		5000	5900		ug/L		118	60 - 140
Dibromochloromethane - DL	75		5000	5680		ug/L		114	60 - 140
Chlorobenzene - DL	430		5000	5370		ug/L		99	72 - 122
Chloroethane - DL	40		5000	5150		ug/L		103	60 - 140
Chloroform - DL	65		5000	5100		ug/L		102	60 - 140
Chloromethane - DL	90		5000	3950		ug/L		79	60 - 140
1,1-Dichloroethane - DL	620		5000	5730		ug/L		102	60 - 140
1,2-Dichloroethane - DL	70		5000	5190		ug/L		104	60 - 140
1,1-Dichloroethene - DL	95		5000	5080		ug/L		102	22 - 143
trans-1,2-Dichloroethene - DL	45		5000	5180		ug/L		104	60 - 140
1,2-Dichloropropane - DL	80		5000	5220		ug/L		104	60 - 140
cis-1,3-Dichloropropene - DL	90		5000	5660		ug/L		113	60 - 140
trans-1,3-Dichloropropene - DL	110		5000	6100		ug/L		122	60 - 140
Ethylbenzene - DL	140		5000	5130		ug/L		100	60 - 140
2-Hexanone - DL	180		10000	9500		ug/L		95	60 - 140
Methylene Chloride - DL	120		5000	5520		ug/L		108	60 - 140
4-Methyl-2-pentanone (MIBK) - DL	230		10000	9840		ug/L		98	60 - 140
Styrene - DL	35		5000	5110		ug/L		102	60 - 140
1,1,2,2-Tetrachloroethane - DL	110		5000	5370		ug/L		107	60 - 140
Tetrachloroethene - DL	65		5000	5250		ug/L		105	60 - 140
Toluene - DL	75		5000	5050		ug/L		101	76 - 125
1,1,1-Trichloroethane - DL	75		5000	5650		ug/L		113	60 - 140
1,1,2-Trichloroethane - DL	140		5000	5160		ug/L		103	60 - 140
Trichloroethene - DL	90		5000	4850		ug/L		97	56 - 118
Vinyl acetate - DL	110		5000	4260		ug/L		85	60 - 140
Vinyl chloride - DL	6400	B	5000	9820		ug/L		68	60 - 140
o-Xylene - DL	60		5000	4960		ug/L		99	60 - 140
m-Xylene & p-Xylene - DL	85		10000	9990		ug/L		100	60 - 140
Xylenes, Total - DL	130		15000	15000		ug/L		100	60 - 140
cis-1,2-Dichloroethene - DL	30		5000	4790		ug/L		96	60 - 140
Bromodichloromethane - DL	80		5000	5310		ug/L		106	60 - 140
1,2-Dichloroethene, Total - DL	150		10000	9970		ug/L		100	60 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr) - DL	*92*		*70 - 130*
Dibromofluoromethane - DL	*95*		*62 - 130*
4-Bromofluorobenzene - DL	*100*		*67 - 139*
1,2-Dichloroethane-d4 (Surr) - DL	*92*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Lab Sample ID: 600-55476-9 MSD
Matrix: Water
Analysis Batch: 80485

Client Sample ID: MW-40-PRE24-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone - DL	500		10000	7960		ug/L		80	60 - 140	1	30
Benzene - DL	120		5000	5400		ug/L		106	65 - 125	7	30
Chlorobromomethane - DL	90		5000	4740		ug/L		95	60 - 140	3	30
Bromoform - DL	95		5000	6560		ug/L		131	60 - 140	11	30
Bromomethane - DL	130		5000	4690		ug/L		94	60 - 140	9	30
2-Butanone (MEK) - DL	380		10000	8090		ug/L		81	60 - 140	4	30
Carbon disulfide - DL	120		5000	4530		ug/L		91	60 - 140	1	30
Carbon tetrachloride - DL	75		5000	6780		ug/L		136	60 - 140	14	30
Dibromochloromethane - DL	75		5000	5930		ug/L		119	60 - 140	4	30
Chlorobenzene - DL	430		5000	5620		ug/L		104	72 - 122	5	30
Chloroethane - DL	40		5000	4910		ug/L		98	60 - 140	5	30
Chloroform - DL	65		5000	5340		ug/L		107	60 - 140	5	30
Chloromethane - DL	90		5000	3390		ug/L		68	60 - 140	15	30
1,1-Dichloroethane - DL	620		5000	6120		ug/L		110	60 - 140	6	30
1,2-Dichloroethane - DL	70		5000	5590		ug/L		112	60 - 140	7	30
1,1-Dichloroethene - DL	95		5000	5040		ug/L		101	22 - 143	1	30
trans-1,2-Dichloroethene - DL	45		5000	5290		ug/L		106	60 - 140	2	30
1,2-Dichloropropane - DL	80		5000	5420		ug/L		108	60 - 140	4	30
cis-1,3-Dichloropropene - DL	90		5000	6060		ug/L		121	60 - 140	7	30
trans-1,3-Dichloropropene - DL	110		5000	6520		ug/L		130	60 - 140	7	30
Ethylbenzene - DL	140		5000	5330		ug/L		104	60 - 140	4	30
2-Hexanone - DL	180		10000	9760		ug/L		98	60 - 140	3	30
Methylene Chloride - DL	120		5000	5320		ug/L		104	60 - 140	4	30
4-Methyl-2-pentanone (MIBK) - DL	230		10000	10100		ug/L		101	60 - 140	2	30
Styrene - DL	35		5000	5250		ug/L		105	60 - 140	3	30
1,1,2,2-Tetrachloroethane - DL	110		5000	5990		ug/L		120	60 - 140	11	30
Tetrachloroethene - DL	65		5000	5320		ug/L		106	60 - 140	1	30
Toluene - DL	75		5000	5270		ug/L		105	76 - 125	4	30
1,1,1-Trichloroethane - DL	75		5000	6160		ug/L		123	60 - 140	9	30
1,1,2-Trichloroethane - DL	140		5000	5040		ug/L		101	60 - 140	2	30
Trichloroethene - DL	90		5000	5180		ug/L		104	56 - 118	7	30
Vinyl acetate - DL	110		5000	4470		ug/L		89	60 - 140	5	30
Vinyl chloride - DL	6400	B	5000	8810	F	ug/L		48	60 - 140	11	30
o-Xylene - DL	60		5000	5210		ug/L		104	60 - 140	5	30
m-Xylene & p-Xylene - DL	85		10000	10400		ug/L		104	60 - 140	4	30
Xylenes, Total - DL	130		15000	15600		ug/L		104	60 - 140	4	30
cis-1,2-Dichloroethene - DL	30		5000	4810		ug/L		96	60 - 140	0	30
Bromodichloromethane - DL	80		5000	5640		ug/L		113	60 - 140	6	30
1,2-Dichloroethene, Total - DL	150		10000	10100		ug/L		101	60 - 140	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr) - DL	*94*		*70 - 130*
Dibromofluoromethane - DL	*91*		*62 - 130*
4-Bromofluorobenzene - DL	*101*		*67 - 139*
1,2-Dichloroethane-d4 (Surr) - DL	*85*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Lab Sample ID: 600-55476-B-1 MS
Matrix: Water
Analysis Batch: 80617

Client Sample ID: 600-55476-B-1 MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone - DL	5000		100000	85900		ug/L		86	60 - 140
Benzene - DL	3200		50000	53000		ug/L		100	65 - 125
Chlorobromomethane - DL	900		50000	45400		ug/L		91	60 - 140
Bromoform - DL	950		50000	82800	F	ug/L		166	60 - 140
Bromomethane - DL	1300		50000	53800		ug/L		108	60 - 140
2-Butanone (MEK) - DL	3800		100000	82400		ug/L		82	60 - 140
Carbon disulfide - DL	1200		50000	44900		ug/L		90	60 - 140
Carbon tetrachloride - DL	750		50000	73200	F	ug/L		146	60 - 140
Dibromochloromethane - DL	750		50000	69500		ug/L		139	60 - 140
Chlorobenzene - DL	600		50000	49300		ug/L		99	72 - 122
Chloroethane - DL	400		50000	55000		ug/L		110	60 - 140
Chloroform - DL	650		50000	50400		ug/L		101	60 - 140
Chloromethane - DL	900		50000	41100		ug/L		82	60 - 140
1,1-Dichloroethane - DL	550		50000	53000		ug/L		106	60 - 140
1,2-Dichloroethane - DL	16000		50000	68000		ug/L		105	60 - 140
1,1-Dichloroethene - DL	950		50000	54000		ug/L		108	22 - 143
trans-1,2-Dichloroethene - DL	450		50000	51200		ug/L		102	60 - 140
1,2-Dichloropropane - DL	800		50000	52000		ug/L		104	60 - 140
cis-1,3-Dichloropropene - DL	900		50000	64800		ug/L		130	60 - 140
trans-1,3-Dichloropropene - DL	1100		50000	77800	F	ug/L		156	60 - 140
Ethylbenzene - DL	550		50000	50100		ug/L		100	60 - 140
2-Hexanone - DL	1800		100000	96600		ug/L		97	60 - 140
Methylene Chloride - DL	4500		50000	48700		ug/L		88	60 - 140
4-Methyl-2-pentanone (MIBK) - DL	2500		100000	98200		ug/L		96	60 - 140
Styrene - DL	350		50000	51600		ug/L		103	60 - 140
1,1,2,2-Tetrachloroethane - DL	1100		50000	52700		ug/L		105	60 - 140
Tetrachloroethene - DL	650		50000	49900		ug/L		100	60 - 140
Toluene - DL	750		50000	50200		ug/L		100	76 - 125
1,1,1-Trichloroethane - DL	750		50000	60600		ug/L		121	60 - 140
1,1,2-Trichloroethane - DL	1400		50000	54700		ug/L		109	60 - 140
Trichloroethene - DL	900		50000	48100		ug/L		96	56 - 118
Vinyl acetate - DL	1100		50000	43500		ug/L		87	60 - 140
Vinyl chloride - DL	68000		50000	118000		ug/L		100	60 - 140
o-Xylene - DL	600		50000	51200		ug/L		102	60 - 140
m-Xylene & p-Xylene - DL	850		100000	103000		ug/L		103	60 - 140
Xylenes, Total - DL	1300		150000	154000		ug/L		103	60 - 140
cis-1,2-Dichloroethene - DL	300		50000	45600		ug/L		91	60 - 140
Bromodichloromethane - DL	800		50000	59800		ug/L		120	60 - 140
1,2-Dichloroethene, Total - DL	1500		100000	96800		ug/L		97	60 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr) - DL	*94*		*70 - 130*
Dibromofluoromethane - DL	*90*		*62 - 130*
4-Bromofluorobenzene - DL	*97*		*67 - 139*
1,2-Dichloroethane-d4 (Surr) - DL	*89*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Lab Sample ID: 600-55476-B-1 MSD
Matrix: Water
Analysis Batch: 80617

Client Sample ID: 600-55476-B-1 MSD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone - DL	5000		100000	91500		ug/L		92	60 - 140	6	30
Benzene - DL	3200		50000	54900		ug/L		103	65 - 125	3	30
Chlorobromomethane - DL	900		50000	49300		ug/L		99	60 - 140	8	30
Bromoform - DL	950		50000	86500	F	ug/L		173	60 - 140	4	30
Bromomethane - DL	1300		50000	52400		ug/L		105	60 - 140	3	30
2-Butanone (MEK) - DL	3800		100000	86000		ug/L		86	60 - 140	4	30
Carbon disulfide - DL	1200		50000	45600		ug/L		91	60 - 140	1	30
Carbon tetrachloride - DL	750		50000	77200	F	ug/L		154	60 - 140	5	30
Dibromochloromethane - DL	750		50000	71200	F	ug/L		142	60 - 140	2	30
Chlorobenzene - DL	600		50000	50400		ug/L		101	72 - 122	2	30
Chloroethane - DL	400		50000	57100		ug/L		114	60 - 140	4	30
Chloroform - DL	650		50000	50100		ug/L		100	60 - 140	1	30
Chloromethane - DL	900		50000	41000		ug/L		82	60 - 140	0	30
1,1-Dichloroethane - DL	550		50000	55300		ug/L		111	60 - 140	4	30
1,2-Dichloroethane - DL	16000		50000	70300		ug/L		109	60 - 140	3	30
1,1-Dichloroethene - DL	950		50000	55900		ug/L		112	22 - 143	3	30
trans-1,2-Dichloroethene - DL	450		50000	52900		ug/L		106	60 - 140	3	30
1,2-Dichloropropane - DL	800		50000	54800		ug/L		110	60 - 140	5	30
cis-1,3-Dichloropropene - DL	900		50000	66800		ug/L		134	60 - 140	3	30
trans-1,3-Dichloropropene - DL	1100		50000	80200	F	ug/L		160	60 - 140	3	30
Ethylbenzene - DL	550		50000	49600		ug/L		99	60 - 140	1	30
2-Hexanone - DL	1800		100000	101000		ug/L		101	60 - 140	5	30
Methylene Chloride - DL	4500		50000	49600		ug/L		90	60 - 140	2	30
4-Methyl-2-pentanone (MIBK) - DL	2500		100000	101000		ug/L		98	60 - 140	2	30
Styrene - DL	350		50000	52600		ug/L		105	60 - 140	2	30
1,1,2,2-Tetrachloroethane - DL	1100		50000	55100		ug/L		110	60 - 140	4	30
Tetrachloroethene - DL	650		50000	51900		ug/L		104	60 - 140	4	30
Toluene - DL	750		50000	51100		ug/L		102	76 - 125	2	30
1,1,1-Trichloroethane - DL	750		50000	64600		ug/L		129	60 - 140	6	30
1,1,2-Trichloroethane - DL	1400		50000	56300		ug/L		113	60 - 140	3	30
Trichloroethene - DL	900		50000	50400		ug/L		101	56 - 118	5	30
Vinyl acetate - DL	1100		50000	44700		ug/L		89	60 - 140	3	30
Vinyl chloride - DL	68000		50000	117000		ug/L		97	60 - 140	1	30
o-Xylene - DL	600		50000	52600		ug/L		105	60 - 140	3	30
m-Xylene & p-Xylene - DL	850		100000	105000		ug/L		105	60 - 140	2	30
Xylenes, Total - DL	1300		150000	158000		ug/L		105	60 - 140	2	30
cis-1,2-Dichloroethene - DL	300		50000	47300		ug/L		95	60 - 140	4	30
Bromodichloromethane - DL	800		50000	62200		ug/L		124	60 - 140	4	30
1,2-Dichloroethene, Total - DL	1500		100000	100000		ug/L		100	60 - 140	3	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr) - DL	*92*		*70 - 130*
Dibromofluoromethane - DL	*92*		*62 - 130*
4-Bromofluorobenzene - DL	*96*		*67 - 139*
1,2-Dichloroethane-d4 (Surr) - DL	*87*		*50 - 134*

QC Association Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-55476-1

GC/MS VOA

Analysis Batch: 80290

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-55476-9	MW-40-PRE24-3	Total/NA	Water	8260B	
600-55476-10	MW-40-24-3	Total/NA	Water	8260B	
600-55476-11	MW-68-PRE24-3	Total/NA	Water	8260B	
600-55476-12	MW-68-24-3	Total/NA	Water	8260B	
600-55476-13	MW-66-PRE24-3	Total/NA	Water	8260B	
600-55476-14	MW-66-24-3	Total/NA	Water	8260B	
LCS 600-80290/3	Lab Control Sample	Total/NA	Water	8260B	
MB 600-80290/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 80427

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-55476-1	MW-71-PRE24-3	Total/NA	Water	8260B	
600-55476-2	MW-71-24-3	Total/NA	Water	8260B	
600-55476-3	MW-65-PRE24-3	Total/NA	Water	8260B	
600-55476-4	MW-65-24-3	Total/NA	Water	8260B	
600-55476-5	MW-8-PRE24-3	Total/NA	Water	8260B	
600-55476-6	MW-8-24-3	Total/NA	Water	8260B	
LCS 600-80427/8	Lab Control Sample	Total/NA	Water	8260B	
MB 600-80427/9	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 80485

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-55476-7 - DL	MW-11-PRE24-3	Total/NA	Water	8260B	
600-55476-7	MW-11-PRE24-3	Total/NA	Water	8260B	
600-55476-8 - DL	MW-11-24-3	Total/NA	Water	8260B	
600-55476-8	MW-11-24-3	Total/NA	Water	8260B	
600-55476-9 - DL	MW-40-PRE24-3	Total/NA	Water	8260B	
600-55476-9 MS - DL	MW-40-PRE24-3	Total/NA	Water	8260B	
600-55476-9 MSD - DL	MW-40-PRE24-3	Total/NA	Water	8260B	
600-55476-10 - DL	MW-40-24-3	Total/NA	Water	8260B	
600-55476-11 - DL	MW-68-PRE24-3	Total/NA	Water	8260B	
600-55476-12 - DL	MW-68-24-3	Total/NA	Water	8260B	
600-55476-13 - DL2	MW-66-PRE24-3	Total/NA	Water	8260B	
600-55476-13 - DL	MW-66-PRE24-3	Total/NA	Water	8260B	
600-55476-14 - DL2	MW-66-24-3	Total/NA	Water	8260B	
600-55476-14 - DL	MW-66-24-3	Total/NA	Water	8260B	
600-55476-15 - DL	MW-4-PRE24-3	Total/NA	Water	8260B	
600-55476-15	MW-4-PRE24-3	Total/NA	Water	8260B	
600-55476-16 - DL	MW-4-24-3	Total/NA	Water	8260B	
LCS 600-80485/3	Lab Control Sample	Total/NA	Water	8260B	
MB 600-80485/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 80617

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-55476-4	MW-65-24-3	Total/NA	Water	8260B	
600-55476-17	DUP-24-3	Total/NA	Water	8260B	
600-55476-18	TRIP BLANK	Total/NA	Water	8260B	
600-55476-B-1 MS - DL	600-55476-B-1 MS	Total/NA	Water	8260B	
600-55476-B-1 MSD - DL	600-55476-B-1 MSD	Total/NA	Water	8260B	
LCS 600-80617/5	Lab Control Sample	Total/NA	Water	8260B	
MB 600-80617/22	Method Blank	Total/NA	Water	8260B	

GC/MS VOA (Continued)

Analysis Batch: 80641

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-55476-1 - DL	MW-71-PRE24-3	Total/NA	Water	8260B	
600-55476-2 - DL	MW-71-24-3	Total/NA	Water	8260B	
600-55476-3 - DL	MW-65-PRE24-3	Total/NA	Water	8260B	
600-55476-4 - DL	MW-65-24-3	Total/NA	Water	8260B	
600-55476-5 - DL	MW-8-PRE24-3	Total/NA	Water	8260B	
600-55476-16	MW-4-24-3	Total/NA	Water	8260B	
600-55476-17 - DL	DUP-24-3	Total/NA	Water	8260B	
LCS 600-80641/3	Lab Control Sample	Total/NA	Water	8260B	
MB 600-80641/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 80714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-55476-6 - DL	MW-8-24-3	Total/NA	Water	8260B	
LCS 600-80714/3	Lab Control Sample	Total/NA	Water	8260B	
MB 600-80714/4	Method Blank	Total/NA	Water	8260B	

Lab Chronicle

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-55476-1

Client Sample ID: MW-71-PRE24-3 — Lab Sample ID: 600-55476-1

Date Collected: 05/23/12 08:05 — **Matrix: Water**
Date Received: 05/23/12 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		100	80427	05/30/12 17:56	DT	TAL HOU
Total/NA	Analysis	8260B	DL	5000	80641	06/04/12 18:23	DT	TAL HOU

Client Sample ID: MW-71-24-3 — Lab Sample ID: 600-55476-2

Date Collected: 05/23/12 09:15 — **Matrix: Water**
Date Received: 05/23/12 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		100	80427	05/30/12 18:24	DT	TAL HOU
Total/NA	Analysis	8260B	DL	5000	80641	06/04/12 18:51	DT	TAL HOU

Client Sample ID: MW-65-PRE24-3 — Lab Sample ID: 600-55476-3

Date Collected: 05/23/12 08:25 — **Matrix: Water**
Date Received: 05/23/12 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		100	80427	05/30/12 18:51	DT	TAL HOU
Total/NA	Analysis	8260B	DL	20000	80641	06/04/12 19:20	DT	TAL HOU

Client Sample ID: MW-65-24-3 — Lab Sample ID: 600-55476-4

Date Collected: 05/23/12 09:30 — **Matrix: Water**
Date Received: 05/23/12 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		100	80427	05/30/12 19:18	DT	TAL HOU
Total/NA	Analysis	8260B		200	80617	06/01/12 20:56	DT	TAL HOU
Total/NA	Analysis	8260B	DL	20000	80641	06/04/12 19:49	DT	TAL HOU

Client Sample ID: MW-8-PRE24-3 — Lab Sample ID: 600-55476-5

Date Collected: 05/23/12 09:45 — **Matrix: Water**
Date Received: 05/23/12 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		100	80427	05/30/12 19:46	DT	TAL HOU
Total/NA	Analysis	8260B	DL	500	80641	06/04/12 20:17	DT	TAL HOU

Client Sample ID: MW-8-24-3 — Lab Sample ID: 600-55476-6

Date Collected: 05/23/12 10:55 — **Matrix: Water**
Date Received: 05/23/12 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		100	80427	05/30/12 20:13	DT	TAL HOU

Lab Chronicle

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-55476-1

Client Sample ID: MW-8-24-3 — Lab Sample ID: 600-55476-6

Date Collected: 05/23/12 10:55 — **Matrix: Water**
Date Received: 05/23/12 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	500	80714	06/05/12 08:30	DT	TAL HOU

Client Sample ID: MW-11-PRE24-3 — Lab Sample ID: 600-55476-7

Date Collected: 05/23/12 10:05 — **Matrix: Water**
Date Received: 05/23/12 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	2000	80485	05/31/12 17:23	DT	TAL HOU
Total/NA	Analysis	8260B		100	80485	05/31/12 19:18	DT	TAL HOU

Client Sample ID: MW-11-24-3 — Lab Sample ID: 600-55476-8

Date Collected: 05/23/12 11:15 — **Matrix: Water**
Date Received: 05/23/12 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	2000	80485	05/31/12 17:52	DT	TAL HOU
Total/NA	Analysis	8260B		100	80485	05/31/12 19:47	DT	TAL HOU

Client Sample ID: MW-40-PRE24-3 — Lab Sample ID: 600-55476-9

Date Collected: 05/23/12 11:05 — **Matrix: Water**
Date Received: 05/23/12 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		100	80290	05/30/12 18:27	DT	TAL HOU
Total/NA	Analysis	8260B	DL	500	80485	05/31/12 13:33	DT	TAL HOU

Client Sample ID: MW-40-24-3 — Lab Sample ID: 600-55476-10

Date Collected: 05/23/12 12:05 — **Matrix: Water**
Date Received: 05/23/12 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		100	80290	05/30/12 18:56	DT	TAL HOU
Total/NA	Analysis	8260B	DL	500	80485	05/31/12 14:02	DT	TAL HOU

Client Sample ID: MW-68-PRE24-3 — Lab Sample ID: 600-55476-11

Date Collected: 05/23/12 11:25 — **Matrix: Water**
Date Received: 05/23/12 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		100	80290	05/30/12 19:24	DT	TAL HOU
Total/NA	Analysis	8260B	DL	500	80485	05/31/12 14:31	DT	TAL HOU

Lab Chronicle

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-55476-1

Client Sample ID: MW-68-24-3 — Lab Sample ID: 600-55476-12

Date Collected: 05/23/12 12:25 — **Matrix: Water**
Date Received: 05/23/12 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		100	80290	05/30/12 19:53	DT	TAL HOU
Total/NA	Analysis	8260B	DL	500	80485	05/31/12 15:00	DT	TAL HOU

Client Sample ID: MW-66-PRE24-3 — Lab Sample ID: 600-55476-13

Date Collected: 05/23/12 12:10 — **Matrix: Water**
Date Received: 05/23/12 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		100	80290	05/30/12 20:22	DT	TAL HOU
Total/NA	Analysis	8260B	DL2	10000	80485	05/31/12 15:28	DT	TAL HOU
Total/NA	Analysis	8260B	DL	1000	80485	05/31/12 18:21	DT	TAL HOU

Client Sample ID: MW-66-24-3 — Lab Sample ID: 600-55476-14

Date Collected: 05/23/12 13:10 — **Matrix: Water**
Date Received: 05/23/12 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		100	80290	05/30/12 20:50	DT	TAL HOU
Total/NA	Analysis	8260B	DL2	10000	80485	05/31/12 15:57	DT	TAL HOU
Total/NA	Analysis	8260B	DL	1000	80485	05/31/12 18:49	DT	TAL HOU

Client Sample ID: MW-4-PRE24-3 — Lab Sample ID: 600-55476-15

Date Collected: 05/23/12 12:35 — **Matrix: Water**
Date Received: 05/23/12 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	20000	80485	05/31/12 16:26	DT	TAL HOU
Total/NA	Analysis	8260B		200	80485	05/31/12 20:16	DT	TAL HOU

Client Sample ID: MW-4-24-3 — Lab Sample ID: 600-55476-16

Date Collected: 05/23/12 13:40 — **Matrix: Water**
Date Received: 05/23/12 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	20000	80485	05/31/12 16:55	DT	TAL HOU
Total/NA	Analysis	8260B		250	80641	06/04/12 20:46	DT	TAL HOU

Client Sample ID: DUP-24-3 — Lab Sample ID: 600-55476-17

Date Collected: 05/23/12 00:00 — **Matrix: Water**
Date Received: 05/23/12 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		100	80617	06/01/12 19:59	DT	TAL HOU

Lab Chronicle

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-55476-1

Client Sample ID: DUP-24-3

Lab Sample ID: 600-55476-17

Date Collected: 05/23/12 00:00

Matrix: Water

Date Received: 05/23/12 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	5000	80641	06/04/12 15:59	DT	TAL HOU

Client Sample ID: TRIP BLANK

Lab Sample ID: 600-55476-18

Date Collected: 05/23/12 00:00

Matrix: Water

Date Received: 05/23/12 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	80617	06/01/12 18:05	DT	TAL HOU

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Certification Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-55476-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Houston	Arkansas DEQ	State Program	6	88-0759
TestAmerica Houston	Louisiana	NELAC	6	30643
TestAmerica Houston	Oklahoma	State Program	6	9503
TestAmerica Houston	Texas	NELAC	6	T104704223-10-6-TX
TestAmerica Houston	USDA	Federal		P330-08-00217
TestAmerica Houston	Utah	NELAC	8	GULF

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-55476-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL HOU

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Sample Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-55476-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
600-55476-1	MW-71-PRE24-3	Water	05/23/12 08:05	05/23/12 16:15
600-55476-2	MW-71-24-3	Water	05/23/12 09:15	05/23/12 16:15
600-55476-3	MW-65-PRE24-3	Water	05/23/12 08:25	05/23/12 16:15
600-55476-4	MW-65-24-3	Water	05/23/12 09:30	05/23/12 16:15
600-55476-5	MW-8-PRE24-3	Water	05/23/12 09:45	05/23/12 16:15
600-55476-6	MW-8-24-3	Water	05/23/12 10:55	05/23/12 16:15
600-55476-7	MW-11-PRE24-3	Water	05/23/12 10:05	05/23/12 16:15
600-55476-8	MW-11-24-3	Water	05/23/12 11:15	05/23/12 16:15
600-55476-9	MW-40-PRE24-3	Water	05/23/12 11:05	05/23/12 16:15
600-55476-10	MW-40-24-3	Water	05/23/12 12:05	05/23/12 16:15
600-55476-11	MW-68-PRE24-3	Water	05/23/12 11:25	05/23/12 16:15
600-55476-12	MW-68-24-3	Water	05/23/12 12:25	05/23/12 16:15
600-55476-13	MW-66-PRE24-3	Water	05/23/12 12:10	05/23/12 16:15
600-55476-14	MW-66-24-3	Water	05/23/12 13:10	05/23/12 16:15
600-55476-15	MW-4-PRE24-3	Water	05/23/12 12:35	05/23/12 16:15
600-55476-16	MW-4-24-3	Water	05/23/12 13:40	05/23/12 16:15
600-55476-17	DUP-24-3	Water	05/23/12 00:00	05/23/12 16:15
600-55476-18	TRIP BLANK	Water	05/23/12 00:00	05/23/12 16:15

TestAmerica Houston
6310 Rotnway Street
Houston, TX 77040
Phone (713) 690-4444 Fax (713) 690-5646

Chain of Custody Record

TestAmerica

6/6/2012

Sampler: Kelt	Lab PM: Kudchadkar, Sachin G	Carrier Tracking No(s):	COC No: 600-11558-5028.1
Phone: 713.522.6300	E-Mail: sachin.kudchadkar@testamericainc.com		Page: Page 1 of
			Job #: 6-3380

Client Information

Client Contact: Ms. Kate Hamel
Company: Groundwater Services, Inc.
Address: 2211 Norfolk, Suite 1000
City: Houston
State, Zip: TX, 77098-4044
Phone: 713-522-6300(Tel)
Email: kchamel@gsi-net.com, tem@gsi-net.com
Project Name: G-3460
Site: N-80

Due Date Requested:
TAT Requested (days): STANDARD TAT
PO #: Purchase Order not requir
WO #:
Project #: 60002425
SSOW#:

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B_LL - Target Compund List	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
MW-71-PRE24-3	5/23/12	805	G	Water			✓		
MW-71-24-3		915		Water			✓		
MW-65-PRE24-3		825		Water			✓		
MW-65-24-3		930		Water			✓		
MW-8-PRE24-3		945		Water			✓		
MW-8-24-3		1055		Water			✓		
MW-11-PRE24-3		1005		Water			✓		
MW-11-24-3		1115		Water			✓		
MW-40-PRE24-3		1105		Water			✓		
MW-40-24-3		1205		Water			✓		
MW-68-PRE24-3		1125					✓		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) STANDARD

Special Instructions/QC Requirements: STANDARD QA/QC

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
KATE HAMEL	5/23/12 1615	GSI	[signature]	5/23/12 1615	TA

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Phone (713) 690-4444 Fax (713) 690-5646

Chain of Custody Record

TestAmerica

6/6/2012

Sampler: Kelt	Lab PM: Kudchadkar, Sachin G	Carrier Tracking No(s):	COC No: 600-11558-5028.1
Phone: 713.522.6300	E-Mail: sachin.kudchadkar@testamericainc.com		Page: Page 2 of 2
			Job #: G-3380

Client Information

Client Contact: Ms. Kate Hamel
Company: Groundwater Services, Inc.
Address: 2211 Norfolk, Suite 1000
City: Houston
State, Zip: TX, 77098-4044
Phone: 713-522-6300(Tel)
Email: kchamel@gsi-net.com, tem@gsi-net.com
Project Name: G-3460
Site: N-80

Due Date Requested:
TAT Requested (days): STANDARD TAT.
PO #: Purchase Order not requir
WO #:
Project #: 60002425
SSOW#:

Analysis Requested

Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | 8260B_LL - Target Compound List | Total Number of containers

Preservation Codes: A

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B_LL - Target Compound List	Total Number of containers	Special Instructions/Note:
MW-68-24-3	5/23/12	1215	G	Water			✓		
MW-66-PRE24-3		1210		Water			✓		
MW-66-24-3		1310		Water			✓		
MW-4-PRE24-3		1235		Water			✓		
MW-4-24-3		1340		Water			✓		
DUP-24-3		—		Water			✓		
TRIP BLANK		—		Water			✓		
				Water					
				Water					
				Water					

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) STANDARD.

Special Instructions/QC Requirements: STANDARD QA/QC

Empty Kit Relinquished by: Date: Time: Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
KATE HAMEL	5/23/12 1615	GSI	[illegible]	5/23/12 1615	TAL
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks:

Login Sample Receipt Checklist

Client: Groundwater Services, Inc.

Job Number: 600-55476-1

Login Number: 55476
List Number: 1
Creator: Capps, Dana

List Source: TestAmerica Houston

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Tel: (713)690-4444

TestAmerica Job ID: 600-54494-1
Client Project/Site: G-3460 N-80

For:
Groundwater Services, Inc.
2211 Norfolk, Suite 1000
Houston, Texas 77098-4044

Attn: Ms. Kate Hamel

Lori Parsons

Authorized for release by:
5/18/2012 2:29:22 PM
Lori Parsons
Project Manager I
lori.parsons@testamericainc.com

Designee for

Sachin Kudchadkar
Project Manager II
sachin.kudchadkar@testamericainc.com

LINKS

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Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F	MS or MSD exceeds the control limits
B	Compound was found in the blank and sample.
*	LCS or LCSD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 600-54494-1

Laboratory: TestAmerica Houston

Narrative

Job Narrative
600-54494-1

Comments
No additional comments.

Receipt
The samples were received on 5/4/2012 5:07 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.5º C.

GC/MS VOA

Method(s) 8260B: The following sample(s) was diluted due to the abundance of target analytes: MW-66-PRELF-3 (600-54494-13), MW-71-PRELF-3 (600-54494-1), MW-4-LF-3 (600-54494-16), DUP-LF-3 (600-54494-17), MW-66-LF-3 (600-54494-14), MW-11-LF-3 (600-54494-8), MW-11-PRELF-3 (600-54494-7), MW-4-PRELF-3 (600-54494-15), MW-65-LF-3 (600-54494-4), MW-8-LF-3 (600-54494-6), MW-8-PRELF-3 (600-54494-5), MW-40-PRELF-3 (600-54494-9), MW-65-PRELF-3 (600-54494-3), MW-68-LF-3 (600-54494-12), MW-68-PRELF-3 (600-54494-11), MW-71-LF-3 (600-54494-2). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The following sample(s) was diluted due to the nature of the sample matrix: MW-40-LF-3 (600-54494-10). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The method blank associated with batch 79018 contained methylene chloride greater than one-half the reporting limit (RL). The data have been qualified and reported.

Method(s) 8260B: The method blank for batch 79067 contained Methylene Chloride above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 8260B: The method blank associated with batch 79181 contained methylene chloride greater than the reporting limit (RL). This analyte is a recognized potential laboratory contaminant. The data have been qualified and reported.

Method(s) 8260B: The laboratory control sample (LCS) and for batch 78997 exceeded control limits for the following analyte: Chloromethane. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260B: The laboratory control sample (LCS) associated with batch 79067 exhibited percent recoveries above the control limits for chloromethane and tetrachloroethene. These analytes were biased high in the LCS and were not detected above the established reporting limits in the associated samples; therefore, the data has been reported.

Method(s) 8260B: The laboratory control sample (LCS) for batch 79090 exceeded control limits for the following analyte: Chloromethane. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260B: The laboratory control sample (LCS) for batch 79199 exceeded control limits for the following analyte: Chloromethane. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260B: The MS/MSD associated with analytical batch 79067 was performed on sample 54497-7 and exhibited percent recoveries above the control limits for chloromethane and vinyl chloride. Matrix interference was suspected. The acceptable LCS and CCV analyses data indicated the analytical system was within control; therefore the data was reported.

Method(s) 8260B: The MS/MSD associated with analytical batch 78997 was performed on sample 54497-1 and exhibited percent recoveries above the control limits for chloromethane and vinyl chloride. Matrix interference was suspected. The acceptable LCS and CCV analyses data indicated the analytical system was within control; therefore the data was reported.

Method(s) 8260B: The MS/MSD associated with analytical batch 79090 was performed on sample 54497-3 and exhibited percent recoveries above the control limits for chloromethane and vinyl chloride. Matrix interference was suspected. The acceptable LCS and CCV analyses data indicated the analytical system was within control; therefore the data was reported.

Job ID: 600-54494-1 (Continued)

Laboratory: TestAmerica Houston (Continued)

Method(s) 8260B: The continuing calibration verification (CCV) for Bromoform, Trans-1,4-Dichloro-2-butene, and 1,2-Dibromo-3-chloropropane associated with batch 79199 recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No other analytical or quality issues were noted.

Detection Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-54494-1

Client Sample ID: MW-71-PRELF-3 — Lab Sample ID: 600-54494-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	390		40	15	ug/L	20		8260B	Total/NA
Carbon disulfide	70		40	4.8	ug/L	20		8260B	Total/NA
Chlorobenzene	67		20	2.4	ug/L	20		8260B	Total/NA
Chloroform	7.4	J	20	2.6	ug/L	20		8260B	Total/NA
1,1-Dichloroethene	280		20	3.8	ug/L	20		8260B	Total/NA
trans-1,2-Dichloroethene	990		20	1.8	ug/L	20		8260B	Total/NA
Ethylbenzene	220		20	2.2	ug/L	20		8260B	Total/NA
Methylene Chloride	100		100	3.0	ug/L	20		8260B	Total/NA
Styrene	4.3	J	20	1.4	ug/L	20		8260B	Total/NA
Tetrachloroethene	7.0	J	20	2.6	ug/L	20		8260B	Total/NA
Toluene	59		20	3.0	ug/L	20		8260B	Total/NA
Trichloroethene	120		20	3.6	ug/L	20		8260B	Total/NA
o-Xylene	3.4	J	20	2.4	ug/L	20		8260B	Total/NA
m-Xylene & p-Xylene	4.8	J	20	3.4	ug/L	20		8260B	Total/NA
Xylenes, Total	8.2	J	20	5.2	ug/L	20		8260B	Total/NA
cis-1,2-Dichloroethene	740		20	1.2	ug/L	20		8260B	Total/NA
1,2-Dichloroethene, Total	1700		20	6.0	ug/L	20		8260B	Total/NA
Acetone - DL	3600		1000	200	ug/L	200		8260B	Total/NA
Benzene - DL	2300		200	16	ug/L	200		8260B	Total/NA
1,1-Dichloroethane - DL	740		200	22	ug/L	200		8260B	Total/NA
1,1,2-Trichloroethane - DL	6100		200	56	ug/L	200		8260B	Total/NA
1,2-Dichloroethane - DL2	56000		2000	280	ug/L	2000		8260B	Total/NA
Vinyl chloride - DL2	63000		4000	220	ug/L	2000		8260B	Total/NA

Client Sample ID: MW-71-LF-3 — Lab Sample ID: 600-54494-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4700		1000	200	ug/L	200		8260B	Total/NA
Benzene	4700		200	16	ug/L	200		8260B	Total/NA
Chlorobenzene	130	J	200	24	ug/L	200		8260B	Total/NA
1,1-Dichloroethane	1600		200	22	ug/L	200		8260B	Total/NA
1,1-Dichloroethene	850		200	38	ug/L	200		8260B	Total/NA
trans-1,2-Dichloroethene	1500		200	18	ug/L	200		8260B	Total/NA
Ethylbenzene	530		200	22	ug/L	200		8260B	Total/NA
Methylene Chloride	350	J B	1000	30	ug/L	200		8260B	Total/NA
Tetrachloroethene	31	J	200	26	ug/L	200		8260B	Total/NA
Toluene	110	J	200	30	ug/L	200		8260B	Total/NA
Trichloroethene	200		200	36	ug/L	200		8260B	Total/NA
cis-1,2-Dichloroethene	1000		200	12	ug/L	200		8260B	Total/NA
1,2-Dichloroethene, Total	2500		200	60	ug/L	200		8260B	Total/NA
1,2-Dichloroethane - DL	86000		5000	700	ug/L	5000		8260B	Total/NA
1,1,2-Trichloroethane - DL	15000		500	140	ug/L	500		8260B	Total/NA
Vinyl chloride - DL	88000		10000	550	ug/L	5000		8260B	Total/NA

Client Sample ID: MW-65-PRELF-3 — Lab Sample ID: 600-54494-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	2100		200	16	ug/L	200		8260B	Total/NA
Chlorobenzene	430		200	24	ug/L	200		8260B	Total/NA
1,1-Dichloroethane	2000		200	22	ug/L	200		8260B	Total/NA
1,2-Dichloroethane	130	J	200	28	ug/L	200		8260B	Total/NA
1,1-Dichloroethene	150	J	200	38	ug/L	200		8260B	Total/NA
trans-1,2-Dichloroethene	1500		200	18	ug/L	200		8260B	Total/NA

Client Sample ID: MW-65-PRELF-3 (Continued) — Lab Sample ID: 600-54494-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	230		200	22	ug/L	200		8260B	Total/NA
Methylene Chloride	120	J B	1000	30	ug/L	200		8260B	Total/NA
Toluene	99	J	200	30	ug/L	200		8260B	Total/NA
Trichloroethene	55	J	200	36	ug/L	200		8260B	Total/NA
cis-1,2-Dichloroethene	72	J	200	12	ug/L	200		8260B	Total/NA
1,2-Dichloroethene, Total	1600		200	60	ug/L	200		8260B	Total/NA
Vinyl chloride - DL	260000		20000	1100	ug/L	10000		8260B	Total/NA

Client Sample ID: MW-65-LF-3 — Lab Sample ID: 600-54494-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	3600		200	16	ug/L	200		8260B	Total/NA
Chlorobenzene	1100		200	24	ug/L	200		8260B	Total/NA
1,1-Dichloroethane	3300		200	22	ug/L	200		8260B	Total/NA
1,2-Dichloroethane	200		200	28	ug/L	200		8260B	Total/NA
1,1-Dichloroethene	480		200	38	ug/L	200		8260B	Total/NA
trans-1,2-Dichloroethene	4200		200	18	ug/L	200		8260B	Total/NA
Ethylbenzene	810		200	22	ug/L	200		8260B	Total/NA
Methylene Chloride	150	J B	1000	30	ug/L	200		8260B	Total/NA
Styrene	32	J	200	14	ug/L	200		8260B	Total/NA
Toluene	240		200	30	ug/L	200		8260B	Total/NA
Trichloroethene	200		200	36	ug/L	200		8260B	Total/NA
o-Xylene	30	J	200	24	ug/L	200		8260B	Total/NA
m-Xylene & p-Xylene	49	J	200	34	ug/L	200		8260B	Total/NA
Xylenes, Total	79	J	200	52	ug/L	200		8260B	Total/NA
cis-1,2-Dichloroethene	280		200	12	ug/L	200		8260B	Total/NA
1,2-Dichloroethene, Total	4500		200	60	ug/L	200		8260B	Total/NA
Vinyl chloride - DL	310000		20000	1100	ug/L	10000		8260B	Total/NA

Client Sample ID: MW-8-PRELF-3 — Lab Sample ID: 600-54494-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	170		100	20	ug/L	20		8260B	Total/NA
Benzene	560		20	1.6	ug/L	20		8260B	Total/NA
Chlorobenzene	110		20	2.4	ug/L	20		8260B	Total/NA
1,1-Dichloroethane	290		20	2.2	ug/L	20		8260B	Total/NA
1,2-Dichloroethane	83		20	2.8	ug/L	20		8260B	Total/NA
1,1-Dichloroethene	70		20	3.8	ug/L	20		8260B	Total/NA
trans-1,2-Dichloroethene	170		20	1.8	ug/L	20		8260B	Total/NA
Ethylbenzene	220		20	2.2	ug/L	20		8260B	Total/NA
Methylene Chloride	13	J B	100	3.0	ug/L	20		8260B	Total/NA
Toluene	50		20	3.0	ug/L	20		8260B	Total/NA
Trichloroethene	9.3	J	20	3.6	ug/L	20		8260B	Total/NA
o-Xylene	6.1	J	20	2.4	ug/L	20		8260B	Total/NA
m-Xylene & p-Xylene	6.7	J	20	3.4	ug/L	20		8260B	Total/NA
Xylenes, Total	13	J	20	5.2	ug/L	20		8260B	Total/NA
cis-1,2-Dichloroethene	27		20	1.2	ug/L	20		8260B	Total/NA
1,2-Dichloroethene, Total	200		20	6.0	ug/L	20		8260B	Total/NA
Vinyl chloride - DL	4700		400	22	ug/L	200		8260B	Total/NA

Client Sample ID: MW-8-LF-3 — Lab Sample ID: 600-54494-6

Client Sample ID: MW-8-LF-3 (Continued) — Lab Sample ID: 600-54494-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	640		20	1.6	ug/L	20		8260B	Total/NA
Carbon disulfide	5.7	J	40	4.8	ug/L	20		8260B	Total/NA
Chlorobenzene	91		20	2.4	ug/L	20		8260B	Total/NA
1,1-Dichloroethane	270		20	2.2	ug/L	20		8260B	Total/NA
1,2-Dichloroethane	64		20	2.8	ug/L	20		8260B	Total/NA
1,1-Dichloroethene	72		20	3.8	ug/L	20		8260B	Total/NA
trans-1,2-Dichloroethene	160		20	1.8	ug/L	20		8260B	Total/NA
Ethylbenzene	290		20	2.2	ug/L	20		8260B	Total/NA
Methylene Chloride	13	J B	100	3.0	ug/L	20		8260B	Total/NA
Styrene	2.2	J	20	1.4	ug/L	20		8260B	Total/NA
Toluene	64		20	3.0	ug/L	20		8260B	Total/NA
Trichloroethene	9.7	J	20	3.6	ug/L	20		8260B	Total/NA
o-Xylene	6.4	J	20	2.4	ug/L	20		8260B	Total/NA
m-Xylene & p-Xylene	7.7	J	20	3.4	ug/L	20		8260B	Total/NA
Xylenes, Total	14	J	20	5.2	ug/L	20		8260B	Total/NA
cis-1,2-Dichloroethene	21		20	1.2	ug/L	20		8260B	Total/NA
1,2-Dichloroethene, Total	180		20	6.0	ug/L	20		8260B	Total/NA
Vinyl chloride - DL	4200		400	22	ug/L	200		8260B	Total/NA

Client Sample ID: MW-11-PRELF-3 — Lab Sample ID: 600-54494-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	110		50	4.0	ug/L	50		8260B	Total/NA
Chlorobenzene	150		50	6.0	ug/L	50		8260B	Total/NA
1,1-Dichloroethane	1000		50	5.5	ug/L	50		8260B	Total/NA
1,1-Dichloroethene	350		50	9.5	ug/L	50		8260B	Total/NA
Ethylbenzene	9.4	J	50	5.5	ug/L	50		8260B	Total/NA
Methylene Chloride	27	J B	250	7.5	ug/L	50		8260B	Total/NA
Toluene	24	J	50	7.5	ug/L	50		8260B	Total/NA
Trichloroethene	360		50	9.0	ug/L	50		8260B	Total/NA
1,2-Dichloroethane - DL	3500		1000	140	ug/L	1000		8260B	Total/NA
trans-1,2-Dichloroethene - DL	1300		1000	90	ug/L	1000		8260B	Total/NA
Vinyl chloride - DL	23000		2000	110	ug/L	1000		8260B	Total/NA
cis-1,2-Dichloroethene - DL	3000		1000	60	ug/L	1000		8260B	Total/NA
1,2-Dichloroethene, Total - DL	4300		1000	300	ug/L	1000		8260B	Total/NA

Client Sample ID: MW-11-LF-3 — Lab Sample ID: 600-54494-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	140		20	1.6	ug/L	20		8260B	Total/NA
Chlorobenzene	270		20	2.4	ug/L	20		8260B	Total/NA
1,1-Dichloroethene	570		20	3.8	ug/L	20		8260B	Total/NA
Ethylbenzene	17	J	20	2.2	ug/L	20		8260B	Total/NA
Methylene Chloride	10	J B	100	3.0	ug/L	20		8260B	Total/NA
Toluene	11	J	20	3.0	ug/L	20		8260B	Total/NA
1,1,2-Trichloroethane	22		20	5.6	ug/L	20		8260B	Total/NA
Trichloroethene	640		20	3.6	ug/L	20		8260B	Total/NA
1,1-Dichloroethane - DL	1300		1000	110	ug/L	1000		8260B	Total/NA
1,2-Dichloroethane - DL	4600		1000	140	ug/L	1000		8260B	Total/NA
trans-1,2-Dichloroethene - DL	2600		1000	90	ug/L	1000		8260B	Total/NA
Vinyl chloride - DL	40000		2000	110	ug/L	1000		8260B	Total/NA
cis-1,2-Dichloroethene - DL	4400		1000	60	ug/L	1000		8260B	Total/NA
1,2-Dichloroethene, Total - DL	7000		1000	300	ug/L	1000		8260B	Total/NA

Detection Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-54494-1

Client Sample ID: MW-40-PRELF-3 — Lab Sample ID: 600-54494-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	50		5.0	0.40	ug/L	5		8260B	Total/NA
Chlorobenzene	160		5.0	0.60	ug/L	5		8260B	Total/NA
1,1-Dichloroethane	230		5.0	0.55	ug/L	5		8260B	Total/NA
1,1-Dichloroethene	1.1	J	5.0	0.95	ug/L	5		8260B	Total/NA
trans-1,2-Dichloroethene	5.1		5.0	0.45	ug/L	5		8260B	Total/NA
Ethylbenzene	46		5.0	0.55	ug/L	5		8260B	Total/NA
Methylene Chloride	7.8	J B	25	0.75	ug/L	5		8260B	Total/NA
Toluene	11		5.0	0.75	ug/L	5		8260B	Total/NA
cis-1,2-Dichloroethene	3.0	J	5.0	0.30	ug/L	5		8260B	Total/NA
1,2-Dichloroethene, Total	8.1		5.0	1.5	ug/L	5		8260B	Total/NA
Vinyl chloride - DL	2800		200	11	ug/L	100		8260B	Total/NA

Client Sample ID: MW-40-LF-3 — Lab Sample ID: 600-54494-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	160		10	0.80	ug/L	10		8260B	Total/NA
1,2-Dichloroethane	11		10	1.4	ug/L	10		8260B	Total/NA
trans-1,2-Dichloroethene	11		10	0.90	ug/L	10		8260B	Total/NA
Ethylbenzene	190		10	1.1	ug/L	10		8260B	Total/NA
Methylene Chloride	10	J B	50	1.5	ug/L	10		8260B	Total/NA
Styrene	6.6	J	10	0.70	ug/L	10		8260B	Total/NA
Toluene	42		10	1.5	ug/L	10		8260B	Total/NA
Trichloroethene	1.9	J	10	1.8	ug/L	10		8260B	Total/NA
o-Xylene	1.6	J	10	1.2	ug/L	10		8260B	Total/NA
1,2-Dichloroethene, Total	11		10	3.0	ug/L	10		8260B	Total/NA
Chlorobenzene - DL	590		100	12	ug/L	100		8260B	Total/NA
1,1-Dichloroethane - DL	680		100	11	ug/L	100		8260B	Total/NA
Vinyl chloride - DL	5100		1000	55	ug/L	500		8260B	Total/NA

Client Sample ID: MW-68-PRELF-3 — Lab Sample ID: 600-54494-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	130		5.0	0.40	ug/L	5		8260B	Total/NA
Chlorobenzene	30		5.0	0.60	ug/L	5		8260B	Total/NA
1,1-Dichloroethane	120		5.0	0.55	ug/L	5		8260B	Total/NA
1,2-Dichloroethane	8.1		5.0	0.70	ug/L	5		8260B	Total/NA
1,1-Dichloroethene	6.5		5.0	0.95	ug/L	5		8260B	Total/NA
Ethylbenzene	190		5.0	0.55	ug/L	5		8260B	Total/NA
Methylene Chloride	5.9	J B	25	0.75	ug/L	5		8260B	Total/NA
Styrene	2.5	J	5.0	0.35	ug/L	5		8260B	Total/NA
Toluene	40		5.0	0.75	ug/L	5		8260B	Total/NA
o-Xylene	0.91	J	5.0	0.60	ug/L	5		8260B	Total/NA
trans-1,2-Dichloroethene - DL	520		100	9.0	ug/L	100		8260B	Total/NA
Vinyl chloride - DL	8400		1000	55	ug/L	500		8260B	Total/NA
1,2-Dichloroethene, Total - DL	520		100	30	ug/L	100		8260B	Total/NA

Client Sample ID: MW-68-LF-3 — Lab Sample ID: 600-54494-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	180		10	0.80	ug/L	10		8260B	Total/NA
Chlorobenzene	46		10	1.2	ug/L	10		8260B	Total/NA
1,1-Dichloroethane	160		10	1.1	ug/L	10		8260B	Total/NA
1,2-Dichloroethane	11		10	1.4	ug/L	10		8260B	Total/NA

Client Sample ID: MW-68-LF-3 (Continued) — Lab Sample ID: 600-54494-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	8.4	J	10	1.9	ug/L	10		8260B	Total/NA
Ethylbenzene	310		10	1.1	ug/L	10		8260B	Total/NA
Methylene Chloride	12	J B	50	1.5	ug/L	10		8260B	Total/NA
Toluene	59		10	1.5	ug/L	10		8260B	Total/NA
o-Xylene	2.3	J	10	1.2	ug/L	10		8260B	Total/NA
trans-1,2-Dichloroethene - DL	660		100	9.0	ug/L	100		8260B	Total/NA
Vinyl chloride - DL	11000		1000	55	ug/L	500		8260B	Total/NA
cis-1,2-Dichloroethene - DL	25	J	100	6.0	ug/L	100		8260B	Total/NA
1,2-Dichloroethene, Total - DL	690		100	30	ug/L	100		8260B	Total/NA

Client Sample ID: MW-66-PRELF-3 — Lab Sample ID: 600-54494-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	690		50	9.9	ug/L	10		8260B	Total/NA
2-Butanone (MEK)	210		20	7.6	ug/L	10		8260B	Total/NA
Carbon disulfide	25		20	2.4	ug/L	10		8260B	Total/NA
Dibromochloromethane	3.8	J	10	1.5	ug/L	10		8260B	Total/NA
Chloroform	44		10	1.3	ug/L	10		8260B	Total/NA
Chloromethane	140		20	1.8	ug/L	10		8260B	Total/NA
Methylene Chloride	82		50	1.5	ug/L	10		8260B	Total/NA
4-Methyl-2-pentanone (MIBK)	9.4	J	20	4.5	ug/L	10		8260B	Total/NA
1,1,2,2-Tetrachloroethane	220		10	2.2	ug/L	10		8260B	Total/NA
Tetrachloroethene	47		10	1.3	ug/L	10		8260B	Total/NA
o-Xylene	16		10	1.2	ug/L	10		8260B	Total/NA
m-Xylene & p-Xylene	12		10	1.7	ug/L	10		8260B	Total/NA
Xylenes, Total	28		10	2.6	ug/L	10		8260B	Total/NA
Benzene - DL	7000		200	16	ug/L	200		8260B	Total/NA
Chlorobenzene - DL	1500		200	24	ug/L	200		8260B	Total/NA
1,1-Dichloroethane - DL	2400		200	22	ug/L	200		8260B	Total/NA
1,1-Dichloroethene - DL	1600		200	38	ug/L	200		8260B	Total/NA
trans-1,2-Dichloroethene - DL	1600		200	18	ug/L	200		8260B	Total/NA
Ethylbenzene - DL	3100		200	22	ug/L	200		8260B	Total/NA
Styrene - DL	1300		200	14	ug/L	200		8260B	Total/NA
Toluene - DL	2200		200	30	ug/L	200		8260B	Total/NA
Trichloroethene - DL	800		200	36	ug/L	200		8260B	Total/NA
cis-1,2-Dichloroethene - DL	790		200	12	ug/L	200		8260B	Total/NA
1,2-Dichloroethene, Total - DL	2400		200	60	ug/L	200		8260B	Total/NA
Vinyl chloride - DL2	77000		4000	220	ug/L	2000		8260B	Total/NA
1,2-Dichloroethane - DL3	160000		10000	1400	ug/L	10000		8260B	Total/NA
1,1,2-Trichloroethane - DL3	120000		10000	2800	ug/L	10000		8260B	Total/NA

Client Sample ID: MW-66-LF-3 — Lab Sample ID: 600-54494-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1100		1000	200	ug/L	200		8260B	Total/NA
Benzene	7800		200	16	ug/L	200		8260B	Total/NA
Chlorobenzene	1700		200	24	ug/L	200		8260B	Total/NA
Chloroform	33	J	200	26	ug/L	200		8260B	Total/NA
1,1-Dichloroethane	2900		200	22	ug/L	200		8260B	Total/NA
1,1-Dichloroethene	1900		200	38	ug/L	200		8260B	Total/NA
trans-1,2-Dichloroethene	2400		200	18	ug/L	200		8260B	Total/NA
Ethylbenzene	4000		200	22	ug/L	200		8260B	Total/NA
Methylene Chloride	570	J B	1000	30	ug/L	200		8260B	Total/NA

Client Sample ID: MW-66-LF-3 (Continued) — Lab Sample ID: 600-54494-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Styrene	1300		200	14	ug/L	200		8260B	Total/NA
Tetrachloroethene	210		200	26	ug/L	200		8260B	Total/NA
Toluene	2700		200	30	ug/L	200		8260B	Total/NA
Trichloroethene	1100		200	36	ug/L	200		8260B	Total/NA
cis-1,2-Dichloroethene	1100		200	12	ug/L	200		8260B	Total/NA
1,2-Dichloroethene, Total	3500		200	60	ug/L	200		8260B	Total/NA
1,2-Dichloroethane - DL	200000		10000	1400	ug/L	10000		8260B	Total/NA
1,1,2-Trichloroethane - DL	140000		10000	2800	ug/L	10000		8260B	Total/NA
Vinyl chloride - DL	89000		20000	1100	ug/L	10000		8260B	Total/NA

Client Sample ID: MW-4-PRELF-3 — Lab Sample ID: 600-54494-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	2700		200	16	ug/L	200		8260B	Total/NA
Chlorobenzene	340		200	24	ug/L	200		8260B	Total/NA
1,1-Dichloroethane	3300		200	22	ug/L	200		8260B	Total/NA
1,1-Dichloroethene	5600		200	38	ug/L	200		8260B	Total/NA
trans-1,2-Dichloroethene	7200		200	18	ug/L	200		8260B	Total/NA
Ethylbenzene	140	J	200	22	ug/L	200		8260B	Total/NA
Methylene Chloride	130	J B	1000	30	ug/L	200		8260B	Total/NA
Tetrachloroethene	62	J *	200	26	ug/L	200		8260B	Total/NA
Toluene	93	J	200	30	ug/L	200		8260B	Total/NA
Trichloroethene	680		200	36	ug/L	200		8260B	Total/NA
cis-1,2-Dichloroethene	3800		200	12	ug/L	200		8260B	Total/NA
1,2-Dichloroethene, Total	11000		200	60	ug/L	200		8260B	Total/NA
1,2-Dichloroethane - DL	59000		10000	1400	ug/L	10000		8260B	Total/NA
Vinyl chloride - DL	360000		20000	1100	ug/L	10000		8260B	Total/NA

Client Sample ID: MW-4-LF-3 — Lab Sample ID: 600-54494-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	270	J	1000	200	ug/L	200		8260B	Total/NA
Benzene	5000		200	16	ug/L	200		8260B	Total/NA
Chlorobenzene	910		200	24	ug/L	200		8260B	Total/NA
Chloromethane	44	J	400	36	ug/L	200		8260B	Total/NA
1,1-Dichloroethane	5700		200	22	ug/L	200		8260B	Total/NA
1,1-Dichloroethene	8300		200	38	ug/L	200		8260B	Total/NA
trans-1,2-Dichloroethene	9900		200	18	ug/L	200		8260B	Total/NA
Ethylbenzene	600		200	22	ug/L	200		8260B	Total/NA
Methylene Chloride	340	J B	1000	30	ug/L	200		8260B	Total/NA
Tetrachloroethene	310		200	26	ug/L	200		8260B	Total/NA
Toluene	230		200	30	ug/L	200		8260B	Total/NA
1,1,2-Trichloroethane	120	J	200	56	ug/L	200		8260B	Total/NA
Trichloroethene	1600		200	36	ug/L	200		8260B	Total/NA
m-Xylene & p-Xylene	44	J	200	34	ug/L	200		8260B	Total/NA
cis-1,2-Dichloroethene	5100		200	12	ug/L	200		8260B	Total/NA
1,2-Dichloroethene, Total	15000		200	60	ug/L	200		8260B	Total/NA
1,2-Dichloroethane - DL	71000		10000	1400	ug/L	10000		8260B	Total/NA
Vinyl chloride - DL	450000		20000	1100	ug/L	10000		8260B	Total/NA

Client Sample ID: DUP-LF-3 — Lab Sample ID: 600-54494-17

Client Sample ID: DUP-LF-3 (Continued) — Lab Sample ID: 600-54494-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	110		10	1.2	ug/L	10		8260B	Total/NA
1,1-Dichloroethane	290		10	1.1	ug/L	10		8260B	Total/NA
1,2-Dichloroethane	52		10	1.4	ug/L	10		8260B	Total/NA
1,1-Dichloroethene	71		10	1.9	ug/L	10		8260B	Total/NA
trans-1,2-Dichloroethene	190		10	0.90	ug/L	10		8260B	Total/NA
Ethylbenzene	380		10	1.1	ug/L	10		8260B	Total/NA
Methylene Chloride	12	J B	50	1.5	ug/L	10		8260B	Total/NA
Styrene	5.5	J	10	0.70	ug/L	10		8260B	Total/NA
Tetrachloroethene	1.8	J	10	1.3	ug/L	10		8260B	Total/NA
Toluene	81		10	1.5	ug/L	10		8260B	Total/NA
Trichloroethene	12		10	1.8	ug/L	10		8260B	Total/NA
o-Xylene	7.5	J	10	1.2	ug/L	10		8260B	Total/NA
m-Xylene & p-Xylene	16		10	1.7	ug/L	10		8260B	Total/NA
Xylenes, Total	24		10	2.6	ug/L	10		8260B	Total/NA
cis-1,2-Dichloroethene	24		10	0.60	ug/L	10		8260B	Total/NA
1,2-Dichloroethene, Total	210		10	3.0	ug/L	10		8260B	Total/NA
Benzene - DL	730		100	8.0	ug/L	100		8260B	Total/NA
Vinyl chloride - DL	3400		200	11	ug/L	100		8260B	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 600-54494-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.5	J	5.0	0.99	ug/L	1		8260B	Total/NA
Methylene Chloride	2.4	J B	5.0	0.15	ug/L	1		8260B	Total/NA

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-54494-1

Client Sample ID: MW-71-PRELF-3

Lab Sample ID: 600-54494-1

Date Collected: 05/02/12 08:25
Matrix: Water
Date Received: 05/04/12 17:07

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	3.6	U	20	3.6	ug/L			05/07/12 20:46	20
Bromoform	3.8	U	20	3.8	ug/L			05/07/12 20:46	20
Bromomethane	5.0	U	40	5.0	ug/L			05/07/12 20:46	20
2-Butanone (MEK)	**390**		40	15	ug/L			05/07/12 20:46	20
Carbon disulfide	**70**		40	4.8	ug/L			05/07/12 20:46	20
Carbon tetrachloride	3.0	U	20	3.0	ug/L			05/07/12 20:46	20
Dibromochloromethane	3.0	U	20	3.0	ug/L			05/07/12 20:46	20
Chlorobenzene	**67**		20	2.4	ug/L			05/07/12 20:46	20
Chloroethane	1.6	U	40	1.6	ug/L			05/07/12 20:46	20
Chloroform	**7.4**	**J**	20	2.6	ug/L			05/07/12 20:46	20
Chloromethane	3.6	U	40	3.6	ug/L			05/07/12 20:46	20
1,1-Dichloroethene	**280**		20	3.8	ug/L			05/07/12 20:46	20
trans-1,2-Dichloroethene	**990**		20	1.8	ug/L			05/07/12 20:46	20
1,2-Dichloropropane	3.2	U	20	3.2	ug/L			05/07/12 20:46	20
cis-1,3-Dichloropropene	3.6	U	20	3.6	ug/L			05/07/12 20:46	20
trans-1,3-Dichloropropene	4.2	U	20	4.2	ug/L			05/07/12 20:46	20
Ethylbenzene	**220**		20	2.2	ug/L			05/07/12 20:46	20
2-Hexanone	7.0	U	40	7.0	ug/L			05/07/12 20:46	20
Methylene Chloride	**100**		100	3.0	ug/L			05/07/12 20:46	20
4-Methyl-2-pentanone (MIBK)	9.0	U	40	9.0	ug/L			05/07/12 20:46	20
Styrene	**4.3**	**J**	20	1.4	ug/L			05/07/12 20:46	20
1,1,2,2-Tetrachloroethane	4.4	U	20	4.4	ug/L			05/07/12 20:46	20
Tetrachloroethene	**7.0**	**J**	20	2.6	ug/L			05/07/12 20:46	20
Toluene	**59**		20	3.0	ug/L			05/07/12 20:46	20
1,1,1-Trichloroethane	3.0	U	20	3.0	ug/L			05/07/12 20:46	20
Trichloroethene	**120**		20	3.6	ug/L			05/07/12 20:46	20
Vinyl acetate	4.2	U	40	4.2	ug/L			05/07/12 20:46	20
o-Xylene	**3.4**	**J**	20	2.4	ug/L			05/07/12 20:46	20
m-Xylene & p-Xylene	**4.8**	**J**	20	3.4	ug/L			05/07/12 20:46	20
Xylenes, Total	**8.2**	**J**	20	5.2	ug/L			05/07/12 20:46	20
cis-1,2-Dichloroethene	**740**		20	1.2	ug/L			05/07/12 20:46	20
Bromodichloromethane	3.2	U	20	3.2	ug/L			05/07/12 20:46	20
1,2-Dichloroethene, Total	**1700**		20	6.0	ug/L			05/07/12 20:46	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*79*		*70 - 130*		*05/07/12 20:46*	*20*
Dibromofluoromethane	*67*		*62 - 130*		*05/07/12 20:46*	*20*
4-Bromofluorobenzene	*75*		*67 - 139*		*05/07/12 20:46*	*20*
1,2-Dichloroethane-d4 (Surr)	*66*		*50 - 134*		*05/07/12 20:46*	*20*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**3600**		1000	200	ug/L			05/11/12 01:05	200
Benzene	**2300**		200	16	ug/L			05/11/12 01:05	200
1,1-Dichloroethane	**740**		200	22	ug/L			05/11/12 01:05	200
1,1,2-Trichloroethane	**6100**		200	56	ug/L			05/11/12 01:05	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*88*		*70 - 130*		*05/11/12 01:05*	*200*
Dibromofluoromethane	*82*		*62 - 130*		*05/11/12 01:05*	*200*
4-Bromofluorobenzene	*95*		*67 - 139*		*05/11/12 01:05*	*200*

Client Sample ID: MW-71-PRELF-3

Lab Sample ID: 600-54494-1

Date Collected: 05/02/12 08:25

Matrix: Water

Date Received: 05/04/12 17:07

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	80		50 - 134		05/11/12 01:05	200

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	56000		2000	280	ug/L			05/10/12 13:20	2000
Vinyl chloride	63000		4000	220	ug/L			05/10/12 13:20	2000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	89		70 - 130		05/10/12 13:20	2000
Dibromofluoromethane	83		62 - 130		05/10/12 13:20	2000
4-Bromofluorobenzene	99		67 - 139		05/10/12 13:20	2000
1,2-Dichloroethane-d4 (Surr)	81		50 - 134		05/10/12 13:20	2000

Client Sample ID: MW-71-LF-3

Lab Sample ID: 600-54494-2

Date Collected: 05/02/12 08:53

Matrix: Water

Date Received: 05/04/12 17:07

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	4700		1000	200	ug/L			05/10/12 21:44	200
Benzene	4700		200	16	ug/L			05/10/12 21:44	200
Chlorobromomethane	36	U	200	36	ug/L			05/10/12 21:44	200
Bromoform	38	U	200	38	ug/L			05/10/12 21:44	200
Bromomethane	50	U	400	50	ug/L			05/10/12 21:44	200
2-Butanone (MEK)	150	U	400	150	ug/L			05/10/12 21:44	200
Carbon disulfide	48	U	400	48	ug/L			05/10/12 21:44	200
Carbon tetrachloride	30	U	200	30	ug/L			05/10/12 21:44	200
Dibromochloromethane	30	U	200	30	ug/L			05/10/12 21:44	200
Chlorobenzene	130	J	200	24	ug/L			05/10/12 21:44	200
Chloroethane	16	U	400	16	ug/L			05/10/12 21:44	200
Chloroform	26	U	200	26	ug/L			05/10/12 21:44	200
Chloromethane	36	U	400	36	ug/L			05/10/12 21:44	200
1,1-Dichloroethane	1600		200	22	ug/L			05/10/12 21:44	200
1,1-Dichloroethene	850		200	38	ug/L			05/10/12 21:44	200
trans-1,2-Dichloroethene	1500		200	18	ug/L			05/10/12 21:44	200
1,2-Dichloropropane	32	U	200	32	ug/L			05/10/12 21:44	200
cis-1,3-Dichloropropene	36	U	200	36	ug/L			05/10/12 21:44	200
trans-1,3-Dichloropropene	42	U	200	42	ug/L			05/10/12 21:44	200
Ethylbenzene	530		200	22	ug/L			05/10/12 21:44	200
2-Hexanone	70	U	400	70	ug/L			05/10/12 21:44	200
Methylene Chloride	350	J B	1000	30	ug/L			05/10/12 21:44	200
4-Methyl-2-pentanone (MIBK)	90	U	400	90	ug/L			05/10/12 21:44	200
Styrene	14	U	200	14	ug/L			05/10/12 21:44	200
1,1,2,2-Tetrachloroethane	44	U	200	44	ug/L			05/10/12 21:44	200
Tetrachloroethene	31	J	200	26	ug/L			05/10/12 21:44	200
Toluene	110	J	200	30	ug/L			05/10/12 21:44	200
1,1,1-Trichloroethane	30	U	200	30	ug/L			05/10/12 21:44	200
Trichloroethene	200		200	36	ug/L			05/10/12 21:44	200
Vinyl acetate	42	U	400	42	ug/L			05/10/12 21:44	200
o-Xylene	24	U	200	24	ug/L			05/10/12 21:44	200
m-Xylene & p-Xylene	34	U	200	34	ug/L			05/10/12 21:44	200

Client Sample ID: MW-71-LF-3

Lab Sample ID: 600-54494-2

Date Collected: 05/02/12 08:53

Matrix: Water

Date Received: 05/04/12 17:07

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	52	U	200	52	ug/L			05/10/12 21:44	200
cis-1,2-Dichloroethene	**1000**		200	12	ug/L			05/10/12 21:44	200
Bromodichloromethane	32	U	200	32	ug/L			05/10/12 21:44	200
1,2-Dichloroethene, Total	**2500**		200	60	ug/L			05/10/12 21:44	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*117*		*70 - 130*		*05/10/12 21:44*	*200*
Dibromofluoromethane	*108*		*62 - 130*		*05/10/12 21:44*	*200*
4-Bromofluorobenzene	*118*		*67 - 139*		*05/10/12 21:44*	*200*
1,2-Dichloroethane-d4 (Surr)	*97*		*50 - 134*		*05/10/12 21:44*	*200*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	**86000**		5000	700	ug/L			05/14/12 14:44	5000
1,1,2-Trichloroethane	**15000**		500	140	ug/L			05/11/12 17:22	500
Vinyl chloride	**88000**		10000	550	ug/L			05/14/12 14:44	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*110*		*70 - 130*		*05/11/12 17:22*	*500*
Toluene-d8 (Surr)	*88*		*70 - 130*		*05/14/12 14:44*	*5000*
Dibromofluoromethane	*111*		*62 - 130*		*05/11/12 17:22*	*500*
Dibromofluoromethane	*83*		*62 - 130*		*05/14/12 14:44*	*5000*
4-Bromofluorobenzene	*108*		*67 - 139*		*05/11/12 17:22*	*500*
4-Bromofluorobenzene	*100*		*67 - 139*		*05/14/12 14:44*	*5000*
1,2-Dichloroethane-d4 (Surr)	*101*		*50 - 134*		*05/11/12 17:22*	*500*
1,2-Dichloroethane-d4 (Surr)	*79*		*50 - 134*		*05/14/12 14:44*	*5000*

Client Sample ID: MW-65-PRELF-3

Lab Sample ID: 600-54494-3

Date Collected: 05/02/12 09:20

Matrix: Water

Date Received: 05/04/12 17:07

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	200	U	1000	200	ug/L			05/11/12 03:27	200
Benzene	**2100**		200	16	ug/L			05/11/12 03:27	200
Chlorobromomethane	36	U	200	36	ug/L			05/11/12 03:27	200
Bromoform	38	U	200	38	ug/L			05/11/12 03:27	200
Bromomethane	50	U	400	50	ug/L			05/11/12 03:27	200
2-Butanone (MEK)	150	U	400	150	ug/L			05/11/12 03:27	200
Carbon disulfide	48	U	400	48	ug/L			05/11/12 03:27	200
Carbon tetrachloride	30	U	200	30	ug/L			05/11/12 03:27	200
Dibromochloromethane	30	U	200	30	ug/L			05/11/12 03:27	200
Chlorobenzene	**430**		200	24	ug/L			05/11/12 03:27	200
Chloroethane	16	U	400	16	ug/L			05/11/12 03:27	200
Chloroform	26	U	200	26	ug/L			05/11/12 03:27	200
Chloromethane	36	U *	400	36	ug/L			05/11/12 03:27	200
1,1-Dichloroethane	**2000**		200	22	ug/L			05/11/12 03:27	200
1,2-Dichloroethane	**130**	**J**	200	28	ug/L			05/11/12 03:27	200
1,1-Dichloroethene	**150**	**J**	200	38	ug/L			05/11/12 03:27	200
trans-1,2-Dichloroethene	**1500**		200	18	ug/L			05/11/12 03:27	200
1,2-Dichloropropane	32	U	200	32	ug/L			05/11/12 03:27	200
cis-1,3-Dichloropropene	36	U	200	36	ug/L			05/11/12 03:27	200

Client Sample ID: MW-65-PRELF-3

Lab Sample ID: 600-54494-3

Date Collected: 05/02/12 09:20

Matrix: Water

Date Received: 05/04/12 17:07

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	42	U	200	42	ug/L			05/11/12 03:27	200
Ethylbenzene	**230**		200	22	ug/L			05/11/12 03:27	200
2-Hexanone	70	U	400	70	ug/L			05/11/12 03:27	200
Methylene Chloride	**120**	**J B**	1000	30	ug/L			05/11/12 03:27	200
4-Methyl-2-pentanone (MIBK)	90	U	400	90	ug/L			05/11/12 03:27	200
Styrene	14	U	200	14	ug/L			05/11/12 03:27	200
1,1,2,2-Tetrachloroethane	44	U	200	44	ug/L			05/11/12 03:27	200
Tetrachloroethene	26	U *	200	26	ug/L			05/11/12 03:27	200
Toluene	**99**	**J**	200	30	ug/L			05/11/12 03:27	200
1,1,1-Trichloroethane	30	U	200	30	ug/L			05/11/12 03:27	200
1,1,2-Trichloroethane	56	U	200	56	ug/L			05/11/12 03:27	200
Trichloroethene	**55**	**J**	200	36	ug/L			05/11/12 03:27	200
Vinyl acetate	42	U	400	42	ug/L			05/11/12 03:27	200
o-Xylene	24	U	200	24	ug/L			05/11/12 03:27	200
m-Xylene & p-Xylene	34	U	200	34	ug/L			05/11/12 03:27	200
Xylenes, Total	52	U	200	52	ug/L			05/11/12 03:27	200
cis-1,2-Dichloroethene	**72**	**J**	200	12	ug/L			05/11/12 03:27	200
Bromodichloromethane	32	U	200	32	ug/L			05/11/12 03:27	200
1,2-Dichloroethene, Total	**1600**		200	60	ug/L			05/11/12 03:27	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*90*		*70 - 130*		*05/11/12 03:27*	*200*
Dibromofluoromethane	*83*		*62 - 130*		*05/11/12 03:27*	*200*
4-Bromofluorobenzene	*96*		*67 - 139*		*05/11/12 03:27*	*200*
1,2-Dichloroethane-d4 (Surr)	*80*		*50 - 134*		*05/11/12 03:27*	*200*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**260000**		20000	1100	ug/L			05/11/12 03:56	10000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*86*		*70 - 130*		*05/11/12 03:56*	*10000*
Dibromofluoromethane	*81*		*62 - 130*		*05/11/12 03:56*	*10000*
4-Bromofluorobenzene	*95*		*67 - 139*		*05/11/12 03:56*	*10000*
1,2-Dichloroethane-d4 (Surr)	*78*		*50 - 134*		*05/11/12 03:56*	*10000*

Client Sample ID: MW-65-LF-3

Lab Sample ID: 600-54494-4

Date Collected: 05/02/12 09:44

Matrix: Water

Date Received: 05/04/12 17:07

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	200	U	1000	200	ug/L			05/11/12 04:24	200
Benzene	**3600**		200	16	ug/L			05/11/12 04:24	200
Chlorobromomethane	36	U	200	36	ug/L			05/11/12 04:24	200
Bromoform	38	U	200	38	ug/L			05/11/12 04:24	200
Bromomethane	50	U	400	50	ug/L			05/11/12 04:24	200
2-Butanone (MEK)	150	U	400	150	ug/L			05/11/12 04:24	200
Carbon disulfide	48	U	400	48	ug/L			05/11/12 04:24	200
Carbon tetrachloride	30	U	200	30	ug/L			05/11/12 04:24	200
Dibromochloromethane	30	U	200	30	ug/L			05/11/12 04:24	200
Chlorobenzene	**1100**		200	24	ug/L			05/11/12 04:24	200

Client Sample ID: MW-65-LF-3

Lab Sample ID: 600-54494-4

Date Collected: 05/02/12 09:44

Matrix: Water

Date Received: 05/04/12 17:07

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	16	U	400	16	ug/L			05/11/12 04:24	200
Chloroform	26	U	200	26	ug/L			05/11/12 04:24	200
Chloromethane	36	U *	400	36	ug/L			05/11/12 04:24	200
1,1-Dichloroethane	**3300**		200	22	ug/L			05/11/12 04:24	200
1,2-Dichloroethane	**200**		200	28	ug/L			05/11/12 04:24	200
1,1-Dichloroethene	**480**		200	38	ug/L			05/11/12 04:24	200
trans-1,2-Dichloroethene	**4200**		200	18	ug/L			05/11/12 04:24	200
1,2-Dichloropropane	32	U	200	32	ug/L			05/11/12 04:24	200
cis-1,3-Dichloropropene	36	U	200	36	ug/L			05/11/12 04:24	200
trans-1,3-Dichloropropene	42	U	200	42	ug/L			05/11/12 04:24	200
Ethylbenzene	**810**		200	22	ug/L			05/11/12 04:24	200
2-Hexanone	70	U	400	70	ug/L			05/11/12 04:24	200
Methylene Chloride	**150**	**J B**	1000	30	ug/L			05/11/12 04:24	200
4-Methyl-2-pentanone (MIBK)	90	U	400	90	ug/L			05/11/12 04:24	200
Styrene	**32**	**J**	200	14	ug/L			05/11/12 04:24	200
1,1,2,2-Tetrachloroethane	44	U	200	44	ug/L			05/11/12 04:24	200
Tetrachloroethene	26	U *	200	26	ug/L			05/11/12 04:24	200
Toluene	**240**		200	30	ug/L			05/11/12 04:24	200
1,1,1-Trichloroethane	30	U	200	30	ug/L			05/11/12 04:24	200
1,1,2-Trichloroethane	56	U	200	56	ug/L			05/11/12 04:24	200
Trichloroethene	**200**		200	36	ug/L			05/11/12 04:24	200
Vinyl acetate	42	U	400	42	ug/L			05/11/12 04:24	200
o-Xylene	**30**	**J**	200	24	ug/L			05/11/12 04:24	200
m-Xylene & p-Xylene	**49**	**J**	200	34	ug/L			05/11/12 04:24	200
Xylenes, Total	**79**	**J**	200	52	ug/L			05/11/12 04:24	200
cis-1,2-Dichloroethene	**280**		200	12	ug/L			05/11/12 04:24	200
Bromodichloromethane	32	U	200	32	ug/L			05/11/12 04:24	200
1,2-Dichloroethene, Total	**4500**		200	60	ug/L			05/11/12 04:24	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*89*		*70 - 130*		*05/11/12 04:24*	*200*
Dibromofluoromethane	*82*		*62 - 130*		*05/11/12 04:24*	*200*
4-Bromofluorobenzene	*100*		*67 - 139*		*05/11/12 04:24*	*200*
1,2-Dichloroethane-d4 (Surr)	*83*		*50 - 134*		*05/11/12 04:24*	*200*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**310000**		20000	1100	ug/L			05/11/12 04:52	10000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*88*		*70 - 130*		*05/11/12 04:52*	*10000*
Dibromofluoromethane	*81*		*62 - 130*		*05/11/12 04:52*	*10000*
4-Bromofluorobenzene	*95*		*67 - 139*		*05/11/12 04:52*	*10000*
1,2-Dichloroethane-d4 (Surr)	*79*		*50 - 134*		*05/11/12 04:52*	*10000*

Client Sample ID: MW-8-PRELF-3

Lab Sample ID: 600-54494-5

Date Collected: 05/02/12 10:10

Matrix: Water

Date Received: 05/04/12 17:07

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**170**		100	20	ug/L			05/11/12 05:20	20

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-54494-1

Client Sample ID: MW-8-PRELF-3
Date Collected: 05/02/12 10:10
Date Received: 05/04/12 17:07

Lab Sample ID: 600-54494-5
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**560**		20	1.6	ug/L			05/11/12 05:20	20
Chlorobromomethane	3.6	U	20	3.6	ug/L			05/11/12 05:20	20
Bromoform	3.8	U	20	3.8	ug/L			05/11/12 05:20	20
Bromomethane	5.0	U	40	5.0	ug/L			05/11/12 05:20	20
2-Butanone (MEK)	15	U	40	15	ug/L			05/11/12 05:20	20
Carbon disulfide	4.8	U	40	4.8	ug/L			05/11/12 05:20	20
Carbon tetrachloride	3.0	U	20	3.0	ug/L			05/11/12 05:20	20
Dibromochloromethane	3.0	U	20	3.0	ug/L			05/11/12 05:20	20
Chlorobenzene	**110**		20	2.4	ug/L			05/11/12 05:20	20
Chloroethane	1.6	U	40	1.6	ug/L			05/11/12 05:20	20
Chloroform	2.6	U	20	2.6	ug/L			05/11/12 05:20	20
Chloromethane	3.6	U *	40	3.6	ug/L			05/11/12 05:20	20
1,1-Dichloroethane	**290**		20	2.2	ug/L			05/11/12 05:20	20
1,2-Dichloroethane	**83**		20	2.8	ug/L			05/11/12 05:20	20
1,1-Dichloroethene	**70**		20	3.8	ug/L			05/11/12 05:20	20
trans-1,2-Dichloroethene	**170**		20	1.8	ug/L			05/11/12 05:20	20
1,2-Dichloropropane	3.2	U	20	3.2	ug/L			05/11/12 05:20	20
cis-1,3-Dichloropropene	3.6	U	20	3.6	ug/L			05/11/12 05:20	20
trans-1,3-Dichloropropene	4.2	U	20	4.2	ug/L			05/11/12 05:20	20
Ethylbenzene	**220**		20	2.2	ug/L			05/11/12 05:20	20
2-Hexanone	7.0	U	40	7.0	ug/L			05/11/12 05:20	20
Methylene Chloride	**13**	**J B**	100	3.0	ug/L			05/11/12 05:20	20
4-Methyl-2-pentanone (MIBK)	9.0	U	40	9.0	ug/L			05/11/12 05:20	20
Styrene	1.4	U	20	1.4	ug/L			05/11/12 05:20	20
1,1,2,2-Tetrachloroethane	4.4	U	20	4.4	ug/L			05/11/12 05:20	20
Tetrachloroethene	2.6	U *	20	2.6	ug/L			05/11/12 05:20	20
Toluene	**50**		20	3.0	ug/L			05/11/12 05:20	20
1,1,1-Trichloroethane	3.0	U	20	3.0	ug/L			05/11/12 05:20	20
1,1,2-Trichloroethane	5.6	U	20	5.6	ug/L			05/11/12 05:20	20
Trichloroethene	**9.3**	**J**	20	3.6	ug/L			05/11/12 05:20	20
Vinyl acetate	4.2	U	40	4.2	ug/L			05/11/12 05:20	20
o-Xylene	**6.1**	**J**	20	2.4	ug/L			05/11/12 05:20	20
m-Xylene & p-Xylene	**6.7**	**J**	20	3.4	ug/L			05/11/12 05:20	20
Xylenes, Total	**13**	**J**	20	5.2	ug/L			05/11/12 05:20	20
cis-1,2-Dichloroethene	**27**		20	1.2	ug/L			05/11/12 05:20	20
Bromodichloromethane	3.2	U	20	3.2	ug/L			05/11/12 05:20	20
1,2-Dichloroethene, Total	**200**		20	6.0	ug/L			05/11/12 05:20	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*90*		*70 - 130*		*05/11/12 05:20*	*20*
Dibromofluoromethane	*82*		*62 - 130*		*05/11/12 05:20*	*20*
4-Bromofluorobenzene	*99*		*67 - 139*		*05/11/12 05:20*	*20*
1,2-Dichloroethane-d4 (Surr)	*82*		*50 - 134*		*05/11/12 05:20*	*20*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**4700**		400	22	ug/L			05/11/12 05:49	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*89*		*70 - 130*		*05/11/12 05:49*	*200*
Dibromofluoromethane	*85*		*62 - 130*		*05/11/12 05:49*	*200*
4-Bromofluorobenzene	*96*		*67 - 139*		*05/11/12 05:49*	*200*

Client Sample ID: MW-8-PRELF-3

Lab Sample ID: 600-54494-5

Date Collected: 05/02/12 10:10

Matrix: Water

Date Received: 05/04/12 17:07

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	83		50 - 134		05/11/12 05:49	200

Client Sample ID: MW-8-LF-3

Lab Sample ID: 600-54494-6

Date Collected: 05/02/12 10:27

Matrix: Water

Date Received: 05/04/12 17:07

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	20	U	100	20	ug/L			05/11/12 06:17	20
Benzene	**640**		20	1.6	ug/L			05/11/12 06:17	20
Chlorobromomethane	3.6	U	20	3.6	ug/L			05/11/12 06:17	20
Bromoform	3.8	U	20	3.8	ug/L			05/11/12 06:17	20
Bromomethane	5.0	U	40	5.0	ug/L			05/11/12 06:17	20
2-Butanone (MEK)	15	U	40	15	ug/L			05/11/12 06:17	20
Carbon disulfide	**5.7**	**J**	40	4.8	ug/L			05/11/12 06:17	20
Carbon tetrachloride	3.0	U	20	3.0	ug/L			05/11/12 06:17	20
Dibromochloromethane	3.0	U	20	3.0	ug/L			05/11/12 06:17	20
Chlorobenzene	**91**		20	2.4	ug/L			05/11/12 06:17	20
Chloroethane	1.6	U	40	1.6	ug/L			05/11/12 06:17	20
Chloroform	2.6	U	20	2.6	ug/L			05/11/12 06:17	20
Chloromethane	3.6	U *	40	3.6	ug/L			05/11/12 06:17	20
1,1-Dichloroethane	**270**		20	2.2	ug/L			05/11/12 06:17	20
1,2-Dichloroethane	**64**		20	2.8	ug/L			05/11/12 06:17	20
1,1-Dichloroethene	**72**		20	3.8	ug/L			05/11/12 06:17	20
trans-1,2-Dichloroethene	**160**		20	1.8	ug/L			05/11/12 06:17	20
1,2-Dichloropropane	3.2	U	20	3.2	ug/L			05/11/12 06:17	20
cis-1,3-Dichloropropene	3.6	U	20	3.6	ug/L			05/11/12 06:17	20
trans-1,3-Dichloropropene	4.2	U	20	4.2	ug/L			05/11/12 06:17	20
Ethylbenzene	**290**		20	2.2	ug/L			05/11/12 06:17	20
2-Hexanone	7.0	U	40	7.0	ug/L			05/11/12 06:17	20
Methylene Chloride	**13**	**J B**	100	3.0	ug/L			05/11/12 06:17	20
4-Methyl-2-pentanone (MIBK)	9.0	U	40	9.0	ug/L			05/11/12 06:17	20
Styrene	**2.2**	**J**	20	1.4	ug/L			05/11/12 06:17	20
1,1,2,2-Tetrachloroethane	4.4	U	20	4.4	ug/L			05/11/12 06:17	20
Tetrachloroethene	2.6	U *	20	2.6	ug/L			05/11/12 06:17	20
Toluene	**64**		20	3.0	ug/L			05/11/12 06:17	20
1,1,1-Trichloroethane	3.0	U	20	3.0	ug/L			05/11/12 06:17	20
1,1,2-Trichloroethane	5.6	U	20	5.6	ug/L			05/11/12 06:17	20
Trichloroethene	**9.7**	**J**	20	3.6	ug/L			05/11/12 06:17	20
Vinyl acetate	4.2	U	40	4.2	ug/L			05/11/12 06:17	20
o-Xylene	**6.4**	**J**	20	2.4	ug/L			05/11/12 06:17	20
m-Xylene & p-Xylene	**7.7**	**J**	20	3.4	ug/L			05/11/12 06:17	20
Xylenes, Total	**14**	**J**	20	5.2	ug/L			05/11/12 06:17	20
cis-1,2-Dichloroethene	**21**		20	1.2	ug/L			05/11/12 06:17	20
Bromodichloromethane	3.2	U	20	3.2	ug/L			05/11/12 06:17	20
1,2-Dichloroethene, Total	**180**		20	6.0	ug/L			05/11/12 06:17	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	91		70 - 130		05/11/12 06:17	20
Dibromofluoromethane	81		62 - 130		05/11/12 06:17	20
4-Bromofluorobenzene	97		67 - 139		05/11/12 06:17	20

Client Sample ID: MW-8-LF-3

Lab Sample ID: 600-54494-6

Date Collected: 05/02/12 10:27

Matrix: Water

Date Received: 05/04/12 17:07

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*81*		*50 - 134*		*05/11/12 06:17*	*20*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**4200**		400	22	ug/L			05/11/12 06:46	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*88*		*70 - 130*		*05/11/12 06:46*	*200*
Dibromofluoromethane	*82*		*62 - 130*		*05/11/12 06:46*	*200*
4-Bromofluorobenzene	*99*		*67 - 139*		*05/11/12 06:46*	*200*
1,2-Dichloroethane-d4 (Surr)	*80*		*50 - 134*		*05/11/12 06:46*	*200*

Client Sample ID: MW-11-PRELF-3

Lab Sample ID: 600-54494-7

Date Collected: 05/02/12 10:40

Matrix: Water

Date Received: 05/04/12 17:07

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	50	U	250	50	ug/L			05/11/12 01:34	50
Benzene	**110**		50	4.0	ug/L			05/11/12 01:34	50
Chlorobromomethane	9.0	U	50	9.0	ug/L			05/11/12 01:34	50
Bromoform	9.5	U	50	9.5	ug/L			05/11/12 01:34	50
Bromomethane	13	U	100	13	ug/L			05/11/12 01:34	50
2-Butanone (MEK)	38	U	100	38	ug/L			05/11/12 01:34	50
Carbon disulfide	12	U	100	12	ug/L			05/11/12 01:34	50
Carbon tetrachloride	7.5	U	50	7.5	ug/L			05/11/12 01:34	50
Dibromochloromethane	7.5	U	50	7.5	ug/L			05/11/12 01:34	50
Chlorobenzene	**150**		50	6.0	ug/L			05/11/12 01:34	50
Chloroethane	4.0	U	100	4.0	ug/L			05/11/12 01:34	50
Chloroform	6.5	U	50	6.5	ug/L			05/11/12 01:34	50
Chloromethane	9.0	U *	100	9.0	ug/L			05/11/12 01:34	50
1,1-Dichloroethane	**1000**		50	5.5	ug/L			05/11/12 01:34	50
1,1-Dichloroethene	**350**		50	9.5	ug/L			05/11/12 01:34	50
1,2-Dichloropropane	8.0	U	50	8.0	ug/L			05/11/12 01:34	50
cis-1,3-Dichloropropene	9.0	U	50	9.0	ug/L			05/11/12 01:34	50
trans-1,3-Dichloropropene	11	U	50	11	ug/L			05/11/12 01:34	50
Ethylbenzene	**9.4**	**J**	50	5.5	ug/L			05/11/12 01:34	50
2-Hexanone	18	U	100	18	ug/L			05/11/12 01:34	50
Methylene Chloride	**27**	**J B**	250	7.5	ug/L			05/11/12 01:34	50
4-Methyl-2-pentanone (MIBK)	23	U	100	23	ug/L			05/11/12 01:34	50
Styrene	3.5	U	50	3.5	ug/L			05/11/12 01:34	50
1,1,2,2-Tetrachloroethane	11	U	50	11	ug/L			05/11/12 01:34	50
Tetrachloroethene	6.5	U *	50	6.5	ug/L			05/11/12 01:34	50
Toluene	**24**	**J**	50	7.5	ug/L			05/11/12 01:34	50
1,1,1-Trichloroethane	7.5	U	50	7.5	ug/L			05/11/12 01:34	50
1,1,2-Trichloroethane	14	U	50	14	ug/L			05/11/12 01:34	50
Trichloroethene	**360**		50	9.0	ug/L			05/11/12 01:34	50
Vinyl acetate	11	U	100	11	ug/L			05/11/12 01:34	50
o-Xylene	6.0	U	50	6.0	ug/L			05/11/12 01:34	50
m-Xylene & p-Xylene	8.5	U	50	8.5	ug/L			05/11/12 01:34	50
Xylenes, Total	13	U	50	13	ug/L			05/11/12 01:34	50

Client Sample ID: MW-11-PRELF-3

Lab Sample ID: 600-54494-7

Date Collected: 05/02/12 10:40

Matrix: Water

Date Received: 05/04/12 17:07

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	8.0	U	50	8.0	ug/L			05/11/12 01:34	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*90*		*70 - 130*		*05/11/12 01:34*	*50*
Dibromofluoromethane	*81*		*62 - 130*		*05/11/12 01:34*	*50*
4-Bromofluorobenzene	*97*		*67 - 139*		*05/11/12 01:34*	*50*
1,2-Dichloroethane-d4 (Surr)	*79*		*50 - 134*		*05/11/12 01:34*	*50*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	**3500**		1000	140	ug/L			05/11/12 02:59	1000
trans-1,2-Dichloroethene	**1300**		1000	90	ug/L			05/11/12 02:59	1000
Vinyl chloride	**23000**		2000	110	ug/L			05/11/12 02:59	1000
cis-1,2-Dichloroethene	**3000**		1000	60	ug/L			05/11/12 02:59	1000
1,2-Dichloroethene, Total	**4300**		1000	300	ug/L			05/11/12 02:59	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*90*		*70 - 130*		*05/11/12 02:59*	*1000*
Dibromofluoromethane	*79*		*62 - 130*		*05/11/12 02:59*	*1000*
4-Bromofluorobenzene	*94*		*67 - 139*		*05/11/12 02:59*	*1000*
1,2-Dichloroethane-d4 (Surr)	*82*		*50 - 134*		*05/11/12 02:59*	*1000*

Client Sample ID: MW-11-LF-3

Lab Sample ID: 600-54494-8

Date Collected: 05/02/12 11:04

Matrix: Water

Date Received: 05/04/12 17:07

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	20	U	100	20	ug/L			05/11/12 07:14	20
Benzene	**140**		20	1.6	ug/L			05/11/12 07:14	20
Chlorobromomethane	3.6	U	20	3.6	ug/L			05/11/12 07:14	20
Bromoform	3.8	U	20	3.8	ug/L			05/11/12 07:14	20
Bromomethane	5.0	U	40	5.0	ug/L			05/11/12 07:14	20
2-Butanone (MEK)	15	U	40	15	ug/L			05/11/12 07:14	20
Carbon disulfide	4.8	U	40	4.8	ug/L			05/11/12 07:14	20
Carbon tetrachloride	3.0	U	20	3.0	ug/L			05/11/12 07:14	20
Dibromochloromethane	3.0	U	20	3.0	ug/L			05/11/12 07:14	20
Chlorobenzene	**270**		20	2.4	ug/L			05/11/12 07:14	20
Chloroethane	1.6	U	40	1.6	ug/L			05/11/12 07:14	20
Chloroform	2.6	U	20	2.6	ug/L			05/11/12 07:14	20
Chloromethane	3.6	U *	40	3.6	ug/L			05/11/12 07:14	20
1,1-Dichloroethene	**570**		20	3.8	ug/L			05/11/12 07:14	20
1,2-Dichloropropane	3.2	U	20	3.2	ug/L			05/11/12 07:14	20
cis-1,3-Dichloropropene	3.6	U	20	3.6	ug/L			05/11/12 07:14	20
trans-1,3-Dichloropropene	4.2	U	20	4.2	ug/L			05/11/12 07:14	20
Ethylbenzene	**17**	**J**	20	2.2	ug/L			05/11/12 07:14	20
2-Hexanone	7.0	U	40	7.0	ug/L			05/11/12 07:14	20
Methylene Chloride	**10**	**J B**	100	3.0	ug/L			05/11/12 07:14	20
4-Methyl-2-pentanone (MIBK)	9.0	U	40	9.0	ug/L			05/11/12 07:14	20
Styrene	1.4	U	20	1.4	ug/L			05/11/12 07:14	20
1,1,2,2-Tetrachloroethane	4.4	U	20	4.4	ug/L			05/11/12 07:14	20
Tetrachloroethene	2.6	U *	20	2.6	ug/L			05/11/12 07:14	20

Client Sample ID: MW-11-LF-3

Lab Sample ID: 600-54494-8

Date Collected: 05/02/12 11:04

Matrix: Water

Date Received: 05/04/12 17:07

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	**11**	**J**	20	3.0	ug/L			05/11/12 07:14	20
1,1,1-Trichloroethane	3.0	U	20	3.0	ug/L			05/11/12 07:14	20
1,1,2-Trichloroethane	**22**		20	5.6	ug/L			05/11/12 07:14	20
Trichloroethene	**640**		20	3.6	ug/L			05/11/12 07:14	20
Vinyl acetate	4.2	U	40	4.2	ug/L			05/11/12 07:14	20
o-Xylene	2.4	U	20	2.4	ug/L			05/11/12 07:14	20
m-Xylene & p-Xylene	3.4	U	20	3.4	ug/L			05/11/12 07:14	20
Xylenes, Total	5.2	U	20	5.2	ug/L			05/11/12 07:14	20
Bromodichloromethane	3.2	U	20	3.2	ug/L			05/11/12 07:14	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*88*		*70 - 130*		*05/11/12 07:14*	*20*
Dibromofluoromethane	*80*		*62 - 130*		*05/11/12 07:14*	*20*
4-Bromofluorobenzene	*96*		*67 - 139*		*05/11/12 07:14*	*20*
1,2-Dichloroethane-d4 (Surr)	*82*		*50 - 134*		*05/11/12 07:14*	*20*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	**1300**		1000	110	ug/L			05/11/12 07:43	1000
1,2-Dichloroethane	**4600**		1000	140	ug/L			05/11/12 07:43	1000
trans-1,2-Dichloroethene	**2600**		1000	90	ug/L			05/11/12 07:43	1000
Vinyl chloride	**40000**		2000	110	ug/L			05/11/12 07:43	1000
cis-1,2-Dichloroethene	**4400**		1000	60	ug/L			05/11/12 07:43	1000
1,2-Dichloroethene, Total	**7000**		1000	300	ug/L			05/11/12 07:43	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*89*		*70 - 130*		*05/11/12 07:43*	*1000*
Dibromofluoromethane	*86*		*62 - 130*		*05/11/12 07:43*	*1000*
4-Bromofluorobenzene	*95*		*67 - 139*		*05/11/12 07:43*	*1000*
1,2-Dichloroethane-d4 (Surr)	*82*		*50 - 134*		*05/11/12 07:43*	*1000*

Client Sample ID: MW-40-PRELF-3

Lab Sample ID: 600-54494-9

Date Collected: 05/02/12 11:15

Matrix: Water

Date Received: 05/04/12 17:07

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.0	U	25	5.0	ug/L			05/10/12 18:05	5
Benzene	**50**		5.0	0.40	ug/L			05/10/12 18:05	5
Chlorobromomethane	0.90	U	5.0	0.90	ug/L			05/10/12 18:05	5
Bromoform	0.95	U	5.0	0.95	ug/L			05/10/12 18:05	5
Bromomethane	1.3	U	10	1.3	ug/L			05/10/12 18:05	5
2-Butanone (MEK)	3.8	U	10	3.8	ug/L			05/10/12 18:05	5
Carbon disulfide	1.2	U	10	1.2	ug/L			05/10/12 18:05	5
Carbon tetrachloride	0.75	U	5.0	0.75	ug/L			05/10/12 18:05	5
Dibromochloromethane	0.75	U	5.0	0.75	ug/L			05/10/12 18:05	5
Chlorobenzene	**160**		5.0	0.60	ug/L			05/10/12 18:05	5
Chloroethane	0.40	U	10	0.40	ug/L			05/10/12 18:05	5
Chloroform	0.65	U	5.0	0.65	ug/L			05/10/12 18:05	5
Chloromethane	0.90	U	10	0.90	ug/L			05/10/12 18:05	5
1,1-Dichloroethane	**230**		5.0	0.55	ug/L			05/10/12 18:05	5
1,2-Dichloroethane	0.70	U	5.0	0.70	ug/L			05/10/12 18:05	5

Client Sample ID: MW-40-PRELF-3

Lab Sample ID: 600-54494-9

Date Collected: 05/02/12 11:15

Matrix: Water

Date Received: 05/04/12 17:07

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	**1.1**	**J**	5.0	0.95	ug/L			05/10/12 18:05	5
trans-1,2-Dichloroethene	**5.1**		5.0	0.45	ug/L			05/10/12 18:05	5
1,2-Dichloropropane	0.80	U	5.0	0.80	ug/L			05/10/12 18:05	5
cis-1,3-Dichloropropene	0.90	U	5.0	0.90	ug/L			05/10/12 18:05	5
trans-1,3-Dichloropropene	1.1	U	5.0	1.1	ug/L			05/10/12 18:05	5
Ethylbenzene	**46**		5.0	0.55	ug/L			05/10/12 18:05	5
2-Hexanone	1.8	U	10	1.8	ug/L			05/10/12 18:05	5
Methylene Chloride	**7.8**	**J B**	25	0.75	ug/L			05/10/12 18:05	5
4-Methyl-2-pentanone (MIBK)	2.3	U	10	2.3	ug/L			05/10/12 18:05	5
Styrene	0.35	U	5.0	0.35	ug/L			05/10/12 18:05	5
1,1,2,2-Tetrachloroethane	1.1	U	5.0	1.1	ug/L			05/10/12 18:05	5
Tetrachloroethene	0.65	U	5.0	0.65	ug/L			05/10/12 18:05	5
Toluene	**11**		5.0	0.75	ug/L			05/10/12 18:05	5
1,1,1-Trichloroethane	0.75	U	5.0	0.75	ug/L			05/10/12 18:05	5
1,1,2-Trichloroethane	1.4	U	5.0	1.4	ug/L			05/10/12 18:05	5
Trichloroethene	0.90	U	5.0	0.90	ug/L			05/10/12 18:05	5
Vinyl acetate	1.1	U	10	1.1	ug/L			05/10/12 18:05	5
o-Xylene	0.60	U	5.0	0.60	ug/L			05/10/12 18:05	5
m-Xylene & p-Xylene	0.85	U	5.0	0.85	ug/L			05/10/12 18:05	5
Xylenes, Total	1.3	U	5.0	1.3	ug/L			05/10/12 18:05	5
cis-1,2-Dichloroethene	**3.0**	**J**	5.0	0.30	ug/L			05/10/12 18:05	5
Bromodichloromethane	0.80	U	5.0	0.80	ug/L			05/10/12 18:05	5
1,2-Dichloroethene, Total	**8.1**		5.0	1.5	ug/L			05/10/12 18:05	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*114*		*70 - 130*		*05/10/12 18:05*	*5*
Dibromofluoromethane	*105*		*62 - 130*		*05/10/12 18:05*	*5*
4-Bromofluorobenzene	*115*		*67 - 139*		*05/10/12 18:05*	*5*
1,2-Dichloroethane-d4 (Surr)	*99*		*50 - 134*		*05/10/12 18:05*	*5*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**2800**		200	11	ug/L			05/10/12 18:33	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*112*		*70 - 130*		*05/10/12 18:33*	*100*
Dibromofluoromethane	*105*		*62 - 130*		*05/10/12 18:33*	*100*
4-Bromofluorobenzene	*114*		*67 - 139*		*05/10/12 18:33*	*100*
1,2-Dichloroethane-d4 (Surr)	*102*		*50 - 134*		*05/10/12 18:33*	*100*

Client Sample ID: MW-40-LF-3

Lab Sample ID: 600-54494-10

Date Collected: 05/02/12 11:26

Matrix: Water

Date Received: 05/04/12 17:07

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	50	9.9	ug/L			05/10/12 19:00	10
Benzene	**160**		10	0.80	ug/L			05/10/12 19:00	10
Chlorobromomethane	1.8	U	10	1.8	ug/L			05/10/12 19:00	10
Bromoform	1.9	U	10	1.9	ug/L			05/10/12 19:00	10
Bromomethane	2.5	U	20	2.5	ug/L			05/10/12 19:00	10
2-Butanone (MEK)	7.6	U	20	7.6	ug/L			05/10/12 19:00	10

Client Sample ID: MW-40-LF-3

Lab Sample ID: 600-54494-10

Date Collected: 05/02/12 11:26

Matrix: Water

Date Received: 05/04/12 17:07

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	2.4	U	20	2.4	ug/L			05/10/12 19:00	10
Carbon tetrachloride	1.5	U	10	1.5	ug/L			05/10/12 19:00	10
Dibromochloromethane	1.5	U	10	1.5	ug/L			05/10/12 19:00	10
Chloroethane	0.80	U	20	0.80	ug/L			05/10/12 19:00	10
Chloroform	1.3	U	10	1.3	ug/L			05/10/12 19:00	10
Chloromethane	1.8	U	20	1.8	ug/L			05/10/12 19:00	10
1,2-Dichloroethane	**11**		10	1.4	ug/L			05/10/12 19:00	10
1,1-Dichloroethene	1.9	U	10	1.9	ug/L			05/10/12 19:00	10
trans-1,2-Dichloroethene	**11**		10	0.90	ug/L			05/10/12 19:00	10
1,2-Dichloropropane	1.6	U	10	1.6	ug/L			05/10/12 19:00	10
cis-1,3-Dichloropropene	1.8	U	10	1.8	ug/L			05/10/12 19:00	10
trans-1,3-Dichloropropene	2.1	U	10	2.1	ug/L			05/10/12 19:00	10
Ethylbenzene	**190**		10	1.1	ug/L			05/10/12 19:00	10
2-Hexanone	3.5	U	20	3.5	ug/L			05/10/12 19:00	10
Methylene Chloride	**10**	**J B**	50	1.5	ug/L			05/10/12 19:00	10
4-Methyl-2-pentanone (MIBK)	4.5	U	20	4.5	ug/L			05/10/12 19:00	10
Styrene	**6.6**	**J**	10	0.70	ug/L			05/10/12 19:00	10
1,1,2,2-Tetrachloroethane	2.2	U	10	2.2	ug/L			05/10/12 19:00	10
Tetrachloroethene	1.3	U	10	1.3	ug/L			05/10/12 19:00	10
Toluene	**42**		10	1.5	ug/L			05/10/12 19:00	10
1,1,1-Trichloroethane	1.5	U	10	1.5	ug/L			05/10/12 19:00	10
1,1,2-Trichloroethane	2.8	U	10	2.8	ug/L			05/10/12 19:00	10
Trichloroethene	**1.9**	**J**	10	1.8	ug/L			05/10/12 19:00	10
Vinyl acetate	2.1	U	20	2.1	ug/L			05/10/12 19:00	10
o-Xylene	**1.6**	**J**	10	1.2	ug/L			05/10/12 19:00	10
m-Xylene & p-Xylene	1.7	U	10	1.7	ug/L			05/10/12 19:00	10
Xylenes, Total	2.6	U	10	2.6	ug/L			05/10/12 19:00	10
cis-1,2-Dichloroethene	0.60	U	10	0.60	ug/L			05/10/12 19:00	10
Bromodichloromethane	1.6	U	10	1.6	ug/L			05/10/12 19:00	10
1,2-Dichloroethene, Total	**11**		10	3.0	ug/L			05/10/12 19:00	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*70 - 130*		*05/10/12 19:00*	*10*
Dibromofluoromethane	*100*		*62 - 130*		*05/10/12 19:00*	*10*
4-Bromofluorobenzene	*112*		*67 - 139*		*05/10/12 19:00*	*10*
1,2-Dichloroethane-d4 (Surr)	*106*		*50 - 134*		*05/10/12 19:00*	*10*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	**590**		100	12	ug/L			05/10/12 19:27	100
1,1-Dichloroethane	**680**		100	11	ug/L			05/10/12 19:27	100
Vinyl chloride	**5100**		1000	55	ug/L			05/11/12 15:05	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*109*		*70 - 130*		*05/10/12 19:27*	*100*
Toluene-d8 (Surr)	*120*		*70 - 130*		*05/11/12 15:05*	*500*
Dibromofluoromethane	*100*		*62 - 130*		*05/10/12 19:27*	*100*
Dibromofluoromethane	*107*		*62 - 130*		*05/11/12 15:05*	*500*
4-Bromofluorobenzene	*114*		*67 - 139*		*05/10/12 19:27*	*100*
4-Bromofluorobenzene	*112*		*67 - 139*		*05/11/12 15:05*	*500*
1,2-Dichloroethane-d4 (Surr)	*97*		*50 - 134*		*05/10/12 19:27*	*100*
1,2-Dichloroethane-d4 (Surr)	*109*		*50 - 134*		*05/11/12 15:05*	*500*

Client Sample Results

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-54494-1

Client Sample ID: MW-68-PRELF-3

Lab Sample ID: 600-54494-11

Date Collected: 05/02/12 11:40
Date Received: 05/04/12 17:07

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.0	U	25	5.0	ug/L			05/10/12 19:55	5
Benzene	**130**		5.0	0.40	ug/L			05/10/12 19:55	5
Chlorobromomethane	0.90	U	5.0	0.90	ug/L			05/10/12 19:55	5
Bromoform	0.95	U	5.0	0.95	ug/L			05/10/12 19:55	5
Bromomethane	1.3	U	10	1.3	ug/L			05/10/12 19:55	5
2-Butanone (MEK)	3.8	U	10	3.8	ug/L			05/10/12 19:55	5
Carbon disulfide	1.2	U	10	1.2	ug/L			05/10/12 19:55	5
Carbon tetrachloride	0.75	U	5.0	0.75	ug/L			05/10/12 19:55	5
Dibromochloromethane	0.75	U	5.0	0.75	ug/L			05/10/12 19:55	5
Chlorobenzene	**30**		5.0	0.60	ug/L			05/10/12 19:55	5
Chloroethane	0.40	U	10	0.40	ug/L			05/10/12 19:55	5
Chloroform	0.65	U	5.0	0.65	ug/L			05/10/12 19:55	5
Chloromethane	0.90	U	10	0.90	ug/L			05/10/12 19:55	5
1,1-Dichloroethane	**120**		5.0	0.55	ug/L			05/10/12 19:55	5
1,2-Dichloroethane	**8.1**		5.0	0.70	ug/L			05/10/12 19:55	5
1,1-Dichloroethene	**6.5**		5.0	0.95	ug/L			05/10/12 19:55	5
1,2-Dichloropropane	0.80	U	5.0	0.80	ug/L			05/10/12 19:55	5
cis-1,3-Dichloropropene	0.90	U	5.0	0.90	ug/L			05/10/12 19:55	5
trans-1,3-Dichloropropene	1.1	U	5.0	1.1	ug/L			05/10/12 19:55	5
Ethylbenzene	**190**		5.0	0.55	ug/L			05/10/12 19:55	5
2-Hexanone	1.8	U	10	1.8	ug/L			05/10/12 19:55	5
Methylene Chloride	**5.9**	**J B**	25	0.75	ug/L			05/10/12 19:55	5
4-Methyl-2-pentanone (MIBK)	2.3	U	10	2.3	ug/L			05/10/12 19:55	5
Styrene	**2.5**	**J**	5.0	0.35	ug/L			05/10/12 19:55	5
1,1,2,2-Tetrachloroethane	1.1	U	5.0	1.1	ug/L			05/10/12 19:55	5
Tetrachloroethene	0.65	U	5.0	0.65	ug/L			05/10/12 19:55	5
Toluene	**40**		5.0	0.75	ug/L			05/10/12 19:55	5
1,1,1-Trichloroethane	0.75	U	5.0	0.75	ug/L			05/10/12 19:55	5
1,1,2-Trichloroethane	1.4	U	5.0	1.4	ug/L			05/10/12 19:55	5
Trichloroethene	0.90	U	5.0	0.90	ug/L			05/10/12 19:55	5
Vinyl acetate	1.1	U	10	1.1	ug/L			05/10/12 19:55	5
o-Xylene	**0.91**	**J**	5.0	0.60	ug/L			05/10/12 19:55	5
m-Xylene & p-Xylene	0.85	U	5.0	0.85	ug/L			05/10/12 19:55	5
Xylenes, Total	1.3	U	5.0	1.3	ug/L			05/10/12 19:55	5
Bromodichloromethane	0.80	U	5.0	0.80	ug/L			05/10/12 19:55	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*70 - 130*		*05/10/12 19:55*	*5*
Dibromofluoromethane	*101*		*62 - 130*		*05/10/12 19:55*	*5*
4-Bromofluorobenzene	*118*		*67 - 139*		*05/10/12 19:55*	*5*
1,2-Dichloroethane-d4 (Surr)	*101*		*50 - 134*		*05/10/12 19:55*	*5*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	**520**		100	9.0	ug/L			05/10/12 20:22	100
Vinyl chloride	**8400**		1000	55	ug/L			05/11/12 16:27	500
cis-1,2-Dichloroethene	6.0	U	100	6.0	ug/L			05/10/12 20:22	100
1,2-Dichloroethene, Total	**520**		100	30	ug/L			05/10/12 20:22	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*112*		*70 - 130*		*05/10/12 20:22*	*100*

Client Sample ID: MW-68-PRELF-3

Lab Sample ID: 600-54494-11

Date Collected: 05/02/12 11:40

Matrix: Water

Date Received: 05/04/12 17:07

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	121		70 - 130		05/11/12 16:27	500
Dibromofluoromethane	105		62 - 130		05/10/12 20:22	100
Dibromofluoromethane	112		62 - 130		05/11/12 16:27	500
4-Bromofluorobenzene	111		67 - 139		05/10/12 20:22	100
4-Bromofluorobenzene	120		67 - 139		05/11/12 16:27	500
1,2-Dichloroethane-d4 (Surr)	103		50 - 134		05/10/12 20:22	100
1,2-Dichloroethane-d4 (Surr)	104		50 - 134		05/11/12 16:27	500

Client Sample ID: MW-68-LF-3

Lab Sample ID: 600-54494-12

Date Collected: 05/02/12 11:55

Matrix: Water

Date Received: 05/04/12 17:07

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	50	9.9	ug/L			05/10/12 20:49	10
Benzene	**180**		10	0.80	ug/L			05/10/12 20:49	10
Chlorobromomethane	1.8	U	10	1.8	ug/L			05/10/12 20:49	10
Bromoform	1.9	U	10	1.9	ug/L			05/10/12 20:49	10
Bromomethane	2.5	U	20	2.5	ug/L			05/10/12 20:49	10
2-Butanone (MEK)	7.6	U	20	7.6	ug/L			05/10/12 20:49	10
Carbon disulfide	2.4	U	20	2.4	ug/L			05/10/12 20:49	10
Carbon tetrachloride	1.5	U	10	1.5	ug/L			05/10/12 20:49	10
Dibromochloromethane	1.5	U	10	1.5	ug/L			05/10/12 20:49	10
Chlorobenzene	**46**		10	1.2	ug/L			05/10/12 20:49	10
Chloroethane	0.80	U	20	0.80	ug/L			05/10/12 20:49	10
Chloroform	1.3	U	10	1.3	ug/L			05/10/12 20:49	10
Chloromethane	1.8	U	20	1.8	ug/L			05/10/12 20:49	10
1,1-Dichloroethane	**160**		10	1.1	ug/L			05/10/12 20:49	10
1,2-Dichloroethane	**11**		10	1.4	ug/L			05/10/12 20:49	10
1,1-Dichloroethene	**8.4**	**J**	10	1.9	ug/L			05/10/12 20:49	10
1,2-Dichloropropane	1.6	U	10	1.6	ug/L			05/10/12 20:49	10
cis-1,3-Dichloropropene	1.8	U	10	1.8	ug/L			05/10/12 20:49	10
trans-1,3-Dichloropropene	2.1	U	10	2.1	ug/L			05/10/12 20:49	10
Ethylbenzene	**310**		10	1.1	ug/L			05/10/12 20:49	10
2-Hexanone	3.5	U	20	3.5	ug/L			05/10/12 20:49	10
Methylene Chloride	**12**	**J B**	50	1.5	ug/L			05/10/12 20:49	10
4-Methyl-2-pentanone (MIBK)	4.5	U	20	4.5	ug/L			05/10/12 20:49	10
Styrene	0.70	U	10	0.70	ug/L			05/10/12 20:49	10
1,1,2,2-Tetrachloroethane	2.2	U	10	2.2	ug/L			05/10/12 20:49	10
Tetrachloroethene	1.3	U	10	1.3	ug/L			05/10/12 20:49	10
Toluene	**59**		10	1.5	ug/L			05/10/12 20:49	10
1,1,1-Trichloroethane	1.5	U	10	1.5	ug/L			05/10/12 20:49	10
1,1,2-Trichloroethane	2.8	U	10	2.8	ug/L			05/10/12 20:49	10
Trichloroethene	1.8	U	10	1.8	ug/L			05/10/12 20:49	10
Vinyl acetate	2.1	U	20	2.1	ug/L			05/10/12 20:49	10
o-Xylene	**2.3**	**J**	10	1.2	ug/L			05/10/12 20:49	10
m-Xylene & p-Xylene	1.7	U	10	1.7	ug/L			05/10/12 20:49	10
Xylenes, Total	2.6	U	10	2.6	ug/L			05/10/12 20:49	10
Bromodichloromethane	1.6	U	10	1.6	ug/L			05/10/12 20:49	10

Client Sample ID: MW-68-LF-3

Lab Sample ID: 600-54494-12

Date Collected: 05/02/12 11:55

Matrix: Water

Date Received: 05/04/12 17:07

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	110		70 - 130		05/10/12 20:49	10
Dibromofluoromethane	104		62 - 130		05/10/12 20:49	10
4-Bromofluorobenzene	118		67 - 139		05/10/12 20:49	10
1,2-Dichloroethane-d4 (Surr)	99		50 - 134		05/10/12 20:49	10

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	660		100	9.0	ug/L			05/10/12 21:17	100
Vinyl chloride	11000		1000	55	ug/L			05/11/12 16:54	500
cis-1,2-Dichloroethene	25	J	100	6.0	ug/L			05/10/12 21:17	100
1,2-Dichloroethene, Total	690		100	30	ug/L			05/10/12 21:17	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	113		70 - 130		05/10/12 21:17	100
Toluene-d8 (Surr)	111		70 - 130		05/11/12 16:54	500
Dibromofluoromethane	105		62 - 130		05/10/12 21:17	100
Dibromofluoromethane	116		62 - 130		05/11/12 16:54	500
4-Bromofluorobenzene	116		67 - 139		05/10/12 21:17	100
4-Bromofluorobenzene	115		67 - 139		05/11/12 16:54	500
1,2-Dichloroethane-d4 (Surr)	102		50 - 134		05/10/12 21:17	100
1,2-Dichloroethane-d4 (Surr)	114		50 - 134		05/11/12 16:54	500

Client Sample ID: MW-66-PRELF-3

Lab Sample ID: 600-54494-13

Date Collected: 05/02/12 12:05

Matrix: Water

Date Received: 05/04/12 17:07

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	690		50	9.9	ug/L			05/07/12 20:18	10
Chlorobromomethane	1.8	U	10	1.8	ug/L			05/07/12 20:18	10
Bromoform	1.9	U	10	1.9	ug/L			05/07/12 20:18	10
Bromomethane	2.5	U	20	2.5	ug/L			05/07/12 20:18	10
2-Butanone (MEK)	210		20	7.6	ug/L			05/07/12 20:18	10
Carbon disulfide	25		20	2.4	ug/L			05/07/12 20:18	10
Carbon tetrachloride	1.5	U	10	1.5	ug/L			05/07/12 20:18	10
Dibromochloromethane	3.8	J	10	1.5	ug/L			05/07/12 20:18	10
Chloroethane	0.80	U	20	0.80	ug/L			05/07/12 20:18	10
Chloroform	44		10	1.3	ug/L			05/07/12 20:18	10
Chloromethane	140		20	1.8	ug/L			05/07/12 20:18	10
1,2-Dichloropropane	1.6	U	10	1.6	ug/L			05/07/12 20:18	10
cis-1,3-Dichloropropene	1.8	U	10	1.8	ug/L			05/07/12 20:18	10
trans-1,3-Dichloropropene	2.1	U	10	2.1	ug/L			05/07/12 20:18	10
2-Hexanone	3.5	U	20	3.5	ug/L			05/07/12 20:18	10
Methylene Chloride	82		50	1.5	ug/L			05/07/12 20:18	10
4-Methyl-2-pentanone (MIBK)	9.4	J	20	4.5	ug/L			05/07/12 20:18	10
1,1,2,2-Tetrachloroethane	220		10	2.2	ug/L			05/07/12 20:18	10
Tetrachloroethene	47		10	1.3	ug/L			05/07/12 20:18	10
1,1,1-Trichloroethane	1.5	U	10	1.5	ug/L			05/07/12 20:18	10
Vinyl acetate	2.1	U	20	2.1	ug/L			05/07/12 20:18	10
o-Xylene	16		10	1.2	ug/L			05/07/12 20:18	10
m-Xylene & p-Xylene	12		10	1.7	ug/L			05/07/12 20:18	10
Xylenes, Total	28		10	2.6	ug/L			05/07/12 20:18	10

Client Sample ID: MW-66-PRELF-3

Lab Sample ID: 600-54494-13

Date Collected: 05/02/12 12:05

Matrix: Water

Date Received: 05/04/12 17:07

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	1.6	U	10	1.6	ug/L			05/07/12 20:18	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*70 - 130*		*05/07/12 20:18*	*10*
Dibromofluoromethane	*66*		*62 - 130*		*05/07/12 20:18*	*10*
4-Bromofluorobenzene	*69*		*67 - 139*		*05/07/12 20:18*	*10*
1,2-Dichloroethane-d4 (Surr)	*53*		*50 - 134*		*05/07/12 20:18*	*10*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**7000**		200	16	ug/L			05/11/12 10:05	200
Chlorobenzene	**1500**		200	24	ug/L			05/11/12 10:05	200
1,1-Dichloroethane	**2400**		200	22	ug/L			05/11/12 10:05	200
1,1-Dichloroethene	**1600**		200	38	ug/L			05/11/12 10:05	200
trans-1,2-Dichloroethene	**1600**		200	18	ug/L			05/11/12 10:05	200
Ethylbenzene	**3100**		200	22	ug/L			05/11/12 10:05	200
Styrene	**1300**		200	14	ug/L			05/11/12 10:05	200
Toluene	**2200**		200	30	ug/L			05/11/12 10:05	200
Trichloroethene	**800**		200	36	ug/L			05/11/12 10:05	200
cis-1,2-Dichloroethene	**790**		200	12	ug/L			05/11/12 10:05	200
1,2-Dichloroethene, Total	**2400**		200	60	ug/L			05/11/12 10:05	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*70 - 130*		*05/11/12 10:05*	*200*
Dibromofluoromethane	*85*		*62 - 130*		*05/11/12 10:05*	*200*
4-Bromofluorobenzene	*100*		*67 - 139*		*05/11/12 10:05*	*200*
1,2-Dichloroethane-d4 (Surr)	*82*		*50 - 134*		*05/11/12 10:05*	*200*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**77000**		4000	220	ug/L			05/11/12 10:33	2000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*88*		*70 - 130*		*05/11/12 10:33*	*2000*
Dibromofluoromethane	*83*		*62 - 130*		*05/11/12 10:33*	*2000*
4-Bromofluorobenzene	*96*		*67 - 139*		*05/11/12 10:33*	*2000*
1,2-Dichloroethane-d4 (Surr)	*82*		*50 - 134*		*05/11/12 10:33*	*2000*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	**160000**		10000	1400	ug/L			05/11/12 15:14	10000
1,1,2-Trichloroethane	**120000**		10000	2800	ug/L			05/11/12 15:14	10000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*89*		*70 - 130*		*05/11/12 15:14*	*10000*
Dibromofluoromethane	*79*		*62 - 130*		*05/11/12 15:14*	*10000*
4-Bromofluorobenzene	*98*		*67 - 139*		*05/11/12 15:14*	*10000*
1,2-Dichloroethane-d4 (Surr)	*75*		*50 - 134*		*05/11/12 15:14*	*10000*

Client Sample Results

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-54494-1

Client Sample ID: MW-66-LF-3

Date Collected: 05/02/12 12:25
Date Received: 05/04/12 17:07

Lab Sample ID: 600-54494-14

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**1100**		1000	200	ug/L			05/11/12 17:49	200
Benzene	**7800**		200	16	ug/L			05/11/12 17:49	200
Chlorobromomethane	36	U	200	36	ug/L			05/11/12 17:49	200
Bromoform	38	U	200	38	ug/L			05/11/12 17:49	200
Bromomethane	50	U	400	50	ug/L			05/11/12 17:49	200
2-Butanone (MEK)	150	U	400	150	ug/L			05/11/12 17:49	200
Carbon disulfide	48	U	400	48	ug/L			05/11/12 17:49	200
Carbon tetrachloride	30	U	200	30	ug/L			05/11/12 17:49	200
Dibromochloromethane	30	U	200	30	ug/L			05/11/12 17:49	200
Chlorobenzene	**1700**		200	24	ug/L			05/11/12 17:49	200
Chloroethane	16	U	400	16	ug/L			05/11/12 17:49	200
Chloroform	**33**	**J**	200	26	ug/L			05/11/12 17:49	200
Chloromethane	36	U	400	36	ug/L			05/11/12 17:49	200
1,1-Dichloroethane	**2900**		200	22	ug/L			05/11/12 17:49	200
1,1-Dichloroethene	**1900**		200	38	ug/L			05/11/12 17:49	200
trans-1,2-Dichloroethene	**2400**		200	18	ug/L			05/11/12 17:49	200
1,2-Dichloropropane	32	U	200	32	ug/L			05/11/12 17:49	200
cis-1,3-Dichloropropene	36	U	200	36	ug/L			05/11/12 17:49	200
trans-1,3-Dichloropropene	42	U	200	42	ug/L			05/11/12 17:49	200
Ethylbenzene	**4000**		200	22	ug/L			05/11/12 17:49	200
2-Hexanone	70	U	400	70	ug/L			05/11/12 17:49	200
Methylene Chloride	**570**	**J B**	1000	30	ug/L			05/11/12 17:49	200
4-Methyl-2-pentanone (MIBK)	90	U	400	90	ug/L			05/11/12 17:49	200
Styrene	**1300**		200	14	ug/L			05/11/12 17:49	200
1,1,2,2-Tetrachloroethane	44	U	200	44	ug/L			05/11/12 17:49	200
Tetrachloroethene	**210**		200	26	ug/L			05/11/12 17:49	200
Toluene	**2700**		200	30	ug/L			05/11/12 17:49	200
1,1,1-Trichloroethane	30	U	200	30	ug/L			05/11/12 17:49	200
Trichloroethene	**1100**		200	36	ug/L			05/11/12 17:49	200
Vinyl acetate	42	U	400	42	ug/L			05/11/12 17:49	200
o-Xylene	24	U	200	24	ug/L			05/11/12 17:49	200
m-Xylene & p-Xylene	34	U	200	34	ug/L			05/11/12 17:49	200
Xylenes, Total	52	U	200	52	ug/L			05/11/12 17:49	200
cis-1,2-Dichloroethene	**1100**		200	12	ug/L			05/11/12 17:49	200
Bromodichloromethane	32	U	200	32	ug/L			05/11/12 17:49	200
1,2-Dichloroethene, Total	**3500**		200	60	ug/L			05/11/12 17:49	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*113*		*70 - 130*		*05/11/12 17:49*	*200*
Dibromofluoromethane	*108*		*62 - 130*		*05/11/12 17:49*	*200*
4-Bromofluorobenzene	*116*		*67 - 139*		*05/11/12 17:49*	*200*
1,2-Dichloroethane-d4 (Surr)	*104*		*50 - 134*		*05/11/12 17:49*	*200*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	**200000**		10000	1400	ug/L			05/11/12 18:17	10000
1,1,2-Trichloroethane	**140000**		10000	2800	ug/L			05/11/12 18:17	10000
Vinyl chloride	**89000**		20000	1100	ug/L			05/11/12 18:17	10000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*121*		*70 - 130*		*05/11/12 18:17*	*10000*
Dibromofluoromethane	*109*		*62 - 130*		*05/11/12 18:17*	*10000*

Client Sample ID: MW-66-LF-3

Lab Sample ID: 600-54494-14

Date Collected: 05/02/12 12:25
Matrix: Water
Date Received: 05/04/12 17:07

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	115		67 - 139		05/11/12 18:17	10000
1,2-Dichloroethane-d4 (Surr)	121		50 - 134		05/11/12 18:17	10000

Client Sample ID: MW-4-PRELF-3

Lab Sample ID: 600-54494-15

Date Collected: 05/02/12 12:35
Matrix: Water
Date Received: 05/04/12 17:07

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	200	U	1000	200	ug/L			05/11/12 08:11	200
Benzene	**2700**		200	16	ug/L			05/11/12 08:11	200
Chlorobromomethane	36	U	200	36	ug/L			05/11/12 08:11	200
Bromoform	38	U	200	38	ug/L			05/11/12 08:11	200
Bromomethane	50	U	400	50	ug/L			05/11/12 08:11	200
2-Butanone (MEK)	150	U	400	150	ug/L			05/11/12 08:11	200
Carbon disulfide	48	U	400	48	ug/L			05/11/12 08:11	200
Carbon tetrachloride	30	U	200	30	ug/L			05/11/12 08:11	200
Dibromochloromethane	30	U	200	30	ug/L			05/11/12 08:11	200
Chlorobenzene	**340**		200	24	ug/L			05/11/12 08:11	200
Chloroethane	16	U	400	16	ug/L			05/11/12 08:11	200
Chloroform	26	U	200	26	ug/L			05/11/12 08:11	200
Chloromethane	36	U *	400	36	ug/L			05/11/12 08:11	200
1,1-Dichloroethane	**3300**		200	22	ug/L			05/11/12 08:11	200
1,1-Dichloroethene	**5600**		200	38	ug/L			05/11/12 08:11	200
trans-1,2-Dichloroethene	**7200**		200	18	ug/L			05/11/12 08:11	200
1,2-Dichloropropane	32	U	200	32	ug/L			05/11/12 08:11	200
cis-1,3-Dichloropropene	36	U	200	36	ug/L			05/11/12 08:11	200
trans-1,3-Dichloropropene	42	U	200	42	ug/L			05/11/12 08:11	200
Ethylbenzene	**140**	**J**	200	22	ug/L			05/11/12 08:11	200
2-Hexanone	70	U	400	70	ug/L			05/11/12 08:11	200
Methylene Chloride	**130**	**J B**	1000	30	ug/L			05/11/12 08:11	200
4-Methyl-2-pentanone (MIBK)	90	U	400	90	ug/L			05/11/12 08:11	200
Styrene	14	U	200	14	ug/L			05/11/12 08:11	200
1,1,2,2-Tetrachloroethane	44	U	200	44	ug/L			05/11/12 08:11	200
Tetrachloroethene	**62**	**J ***	200	26	ug/L			05/11/12 08:11	200
Toluene	**93**	**J**	200	30	ug/L			05/11/12 08:11	200
1,1,1-Trichloroethane	30	U	200	30	ug/L			05/11/12 08:11	200
1,1,2-Trichloroethane	56	U	200	56	ug/L			05/11/12 08:11	200
Trichloroethene	**680**		200	36	ug/L			05/11/12 08:11	200
Vinyl acetate	42	U	400	42	ug/L			05/11/12 08:11	200
o-Xylene	24	U	200	24	ug/L			05/11/12 08:11	200
m-Xylene & p-Xylene	34	U	200	34	ug/L			05/11/12 08:11	200
Xylenes, Total	52	U	200	52	ug/L			05/11/12 08:11	200
cis-1,2-Dichloroethene	**3800**		200	12	ug/L			05/11/12 08:11	200
Bromodichloromethane	32	U	200	32	ug/L			05/11/12 08:11	200
1,2-Dichloroethene, Total	**11000**		200	60	ug/L			05/11/12 08:11	200

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	89		70 - 130		05/11/12 08:11	200
Dibromofluoromethane	87		62 - 130		05/11/12 08:11	200
4-Bromofluorobenzene	98		67 - 139		05/11/12 08:11	200

Client Sample ID: MW-4-PRELF-3

Lab Sample ID: 600-54494-15

Date Collected: 05/02/12 12:35
Matrix: Water
Date Received: 05/04/12 17:07

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	85		50 - 134		05/11/12 08:11	200

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	**59000**		10000	1400	ug/L			05/11/12 08:40	10000
Vinyl chloride	**360000**		20000	1100	ug/L			05/11/12 08:40	10000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	89		70 - 130		05/11/12 08:40	10000
Dibromofluoromethane	81		62 - 130		05/11/12 08:40	10000
4-Bromofluorobenzene	96		67 - 139		05/11/12 08:40	10000
1,2-Dichloroethane-d4 (Surr)	78		50 - 134		05/11/12 08:40	10000

Client Sample ID: MW-4-LF-3

Lab Sample ID: 600-54494-16

Date Collected: 05/02/12 12:51
Matrix: Water
Date Received: 05/04/12 17:07

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**270**	**J**	1000	200	ug/L			05/11/12 14:38	200
Benzene	**5000**		200	16	ug/L			05/11/12 14:38	200
Chlorobromomethane	36	U	200	36	ug/L			05/11/12 14:38	200
Bromoform	38	U	200	38	ug/L			05/11/12 14:38	200
Bromomethane	50	U	400	50	ug/L			05/11/12 14:38	200
2-Butanone (MEK)	150	U	400	150	ug/L			05/11/12 14:38	200
Carbon disulfide	48	U	400	48	ug/L			05/11/12 14:38	200
Carbon tetrachloride	30	U	200	30	ug/L			05/11/12 14:38	200
Dibromochloromethane	30	U	200	30	ug/L			05/11/12 14:38	200
Chlorobenzene	**910**		200	24	ug/L			05/11/12 14:38	200
Chloroethane	16	U	400	16	ug/L			05/11/12 14:38	200
Chloroform	26	U	200	26	ug/L			05/11/12 14:38	200
Chloromethane	**44**	**J**	400	36	ug/L			05/11/12 14:38	200
1,1-Dichloroethane	**5700**		200	22	ug/L			05/11/12 14:38	200
1,1-Dichloroethene	**8300**		200	38	ug/L			05/11/12 14:38	200
trans-1,2-Dichloroethene	**9900**		200	18	ug/L			05/11/12 14:38	200
1,2-Dichloropropane	32	U	200	32	ug/L			05/11/12 14:38	200
cis-1,3-Dichloropropene	36	U	200	36	ug/L			05/11/12 14:38	200
trans-1,3-Dichloropropene	42	U	200	42	ug/L			05/11/12 14:38	200
Ethylbenzene	**600**		200	22	ug/L			05/11/12 14:38	200
2-Hexanone	70	U	400	70	ug/L			05/11/12 14:38	200
Methylene Chloride	**340**	**J B**	1000	30	ug/L			05/11/12 14:38	200
4-Methyl-2-pentanone (MIBK)	90	U	400	90	ug/L			05/11/12 14:38	200
Styrene	14	U	200	14	ug/L			05/11/12 14:38	200
1,1,2,2-Tetrachloroethane	44	U	200	44	ug/L			05/11/12 14:38	200
Tetrachloroethene	**310**		200	26	ug/L			05/11/12 14:38	200
Toluene	**230**		200	30	ug/L			05/11/12 14:38	200
1,1,1-Trichloroethane	30	U	200	30	ug/L			05/11/12 14:38	200
1,1,2-Trichloroethane	**120**	**J**	200	56	ug/L			05/11/12 14:38	200
Trichloroethene	**1600**		200	36	ug/L			05/11/12 14:38	200
Vinyl acetate	42	U	400	42	ug/L			05/11/12 14:38	200
o-Xylene	24	U	200	24	ug/L			05/11/12 14:38	200

Client Sample ID: MW-4-LF-3

Lab Sample ID: 600-54494-16

Date Collected: 05/02/12 12:51
Date Received: 05/04/12 17:07
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	**44**	**J**	200	34	ug/L			05/11/12 14:38	200
Xylenes, Total	52	U	200	52	ug/L			05/11/12 14:38	200
cis-1,2-Dichloroethene	**5100**		200	12	ug/L			05/11/12 14:38	200
Bromodichloromethane	32	U	200	32	ug/L			05/11/12 14:38	200
1,2-Dichloroethene, Total	**15000**		200	60	ug/L			05/11/12 14:38	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*112*		*70 - 130*		*05/11/12 14:38*	*200*
Dibromofluoromethane	*105*		*62 - 130*		*05/11/12 14:38*	*200*
4-Bromofluorobenzene	*116*		*67 - 139*		*05/11/12 14:38*	*200*
1,2-Dichloroethane-d4 (Surr)	*99*		*50 - 134*		*05/11/12 14:38*	*200*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	**71000**		10000	1400	ug/L			05/11/12 09:37	10000
Vinyl chloride	**450000**		20000	1100	ug/L			05/11/12 09:37	10000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*88*		*70 - 130*		*05/11/12 09:37*	*10000*
Dibromofluoromethane	*84*		*62 - 130*		*05/11/12 09:37*	*10000*
4-Bromofluorobenzene	*94*		*67 - 139*		*05/11/12 09:37*	*10000*
1,2-Dichloroethane-d4 (Surr)	*81*		*50 - 134*		*05/11/12 09:37*	*10000*

Client Sample ID: DUP-LF-3

Lab Sample ID: 600-54494-17

Date Collected: 05/02/12 00:00
Date Received: 05/04/12 17:07
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	50	9.9	ug/L			05/11/12 18:44	10
Chlorobromomethane	1.8	U	10	1.8	ug/L			05/11/12 18:44	10
Bromoform	1.9	U	10	1.9	ug/L			05/11/12 18:44	10
Bromomethane	2.5	U	20	2.5	ug/L			05/11/12 18:44	10
2-Butanone (MEK)	7.6	U	20	7.6	ug/L			05/11/12 18:44	10
Carbon disulfide	2.4	U	20	2.4	ug/L			05/11/12 18:44	10
Carbon tetrachloride	1.5	U	10	1.5	ug/L			05/11/12 18:44	10
Dibromochloromethane	1.5	U	10	1.5	ug/L			05/11/12 18:44	10
Chlorobenzene	**110**		10	1.2	ug/L			05/11/12 18:44	10
Chloroethane	0.80	U	20	0.80	ug/L			05/11/12 18:44	10
Chloroform	1.3	U	10	1.3	ug/L			05/11/12 18:44	10
Chloromethane	1.8	U	20	1.8	ug/L			05/11/12 18:44	10
1,1-Dichloroethane	**290**		10	1.1	ug/L			05/11/12 18:44	10
1,2-Dichloroethane	**52**		10	1.4	ug/L			05/11/12 18:44	10
1,1-Dichloroethene	**71**		10	1.9	ug/L			05/11/12 18:44	10
trans-1,2-Dichloroethene	**190**		10	0.90	ug/L			05/11/12 18:44	10
1,2-Dichloropropane	1.6	U	10	1.6	ug/L			05/11/12 18:44	10
cis-1,3-Dichloropropene	1.8	U	10	1.8	ug/L			05/11/12 18:44	10
trans-1,3-Dichloropropene	2.1	U	10	2.1	ug/L			05/11/12 18:44	10
Ethylbenzene	**380**		10	1.1	ug/L			05/11/12 18:44	10
2-Hexanone	3.5	U	20	3.5	ug/L			05/11/12 18:44	10
Methylene Chloride	**12**	**J B**	50	1.5	ug/L			05/11/12 18:44	10
4-Methyl-2-pentanone (MIBK)	4.5	U	20	4.5	ug/L			05/11/12 18:44	10

Client Sample ID: DUP-LF-3

Lab Sample ID: 600-54494-17

Date Collected: 05/02/12 00:00

Matrix: Water

Date Received: 05/04/12 17:07

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	**5.5**	**J**	10	0.70	ug/L			05/11/12 18:44	10
1,1,2,2-Tetrachloroethane	2.2	U	10	2.2	ug/L			05/11/12 18:44	10
Tetrachloroethene	**1.8**	**J**	10	1.3	ug/L			05/11/12 18:44	10
Toluene	**81**		10	1.5	ug/L			05/11/12 18:44	10
1,1,1-Trichloroethane	1.5	U	10	1.5	ug/L			05/11/12 18:44	10
1,1,2-Trichloroethane	2.8	U	10	2.8	ug/L			05/11/12 18:44	10
Trichloroethene	**12**		10	1.8	ug/L			05/11/12 18:44	10
Vinyl acetate	2.1	U	20	2.1	ug/L			05/11/12 18:44	10
o-Xylene	**7.5**	**J**	10	1.2	ug/L			05/11/12 18:44	10
m-Xylene & p-Xylene	**16**		10	1.7	ug/L			05/11/12 18:44	10
Xylenes, Total	**24**		10	2.6	ug/L			05/11/12 18:44	10
cis-1,2-Dichloroethene	**24**		10	0.60	ug/L			05/11/12 18:44	10
Bromodichloromethane	1.6	U	10	1.6	ug/L			05/11/12 18:44	10
1,2-Dichloroethene, Total	**210**		10	3.0	ug/L			05/11/12 18:44	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*105*		*70 - 130*		*05/11/12 18:44*	*10*
Dibromofluoromethane	*105*		*62 - 130*		*05/11/12 18:44*	*10*
4-Bromofluorobenzene	*115*		*67 - 139*		*05/11/12 18:44*	*10*
1,2-Dichloroethane-d4 (Surr)	*111*		*50 - 134*		*05/11/12 18:44*	*10*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**730**		100	8.0	ug/L			05/11/12 19:11	100
Vinyl chloride	**3400**		200	11	ug/L			05/11/12 19:11	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*108*		*70 - 130*		*05/11/12 19:11*	*100*
Dibromofluoromethane	*109*		*62 - 130*		*05/11/12 19:11*	*100*
4-Bromofluorobenzene	*115*		*67 - 139*		*05/11/12 19:11*	*100*
1,2-Dichloroethane-d4 (Surr)	*103*		*50 - 134*		*05/11/12 19:11*	*100*

Client Sample ID: TRIP BLANK

Lab Sample ID: 600-54494-18

Date Collected: 05/02/12 00:00

Matrix: Water

Date Received: 05/04/12 17:07

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**3.5**	**J**	5.0	0.99	ug/L			05/11/12 15:32	1
Benzene	0.080	U	1.0	0.080	ug/L			05/11/12 15:32	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			05/11/12 15:32	1
Bromoform	0.19	U	1.0	0.19	ug/L			05/11/12 15:32	1
Bromomethane	0.25	U	2.0	0.25	ug/L			05/11/12 15:32	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			05/11/12 15:32	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			05/11/12 15:32	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			05/11/12 15:32	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			05/11/12 15:32	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			05/11/12 15:32	1
Chloroethane	0.080	U	2.0	0.080	ug/L			05/11/12 15:32	1
Chloroform	0.13	U	1.0	0.13	ug/L			05/11/12 15:32	1
Chloromethane	0.18	U	2.0	0.18	ug/L			05/11/12 15:32	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			05/11/12 15:32	1

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-54494-1

Client Sample ID: TRIP BLANK
Date Collected: 05/02/12 00:00
Date Received: 05/04/12 17:07

Lab Sample ID: 600-54494-18
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			05/11/12 15:32	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			05/11/12 15:32	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			05/11/12 15:32	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			05/11/12 15:32	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			05/11/12 15:32	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			05/11/12 15:32	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			05/11/12 15:32	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			05/11/12 15:32	1
Methylene Chloride	**2.4**	**J B**	5.0	0.15	ug/L			05/11/12 15:32	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			05/11/12 15:32	1
Styrene	0.070	U	1.0	0.070	ug/L			05/11/12 15:32	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			05/11/12 15:32	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			05/11/12 15:32	1
Toluene	0.15	U	1.0	0.15	ug/L			05/11/12 15:32	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			05/11/12 15:32	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			05/11/12 15:32	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			05/11/12 15:32	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			05/11/12 15:32	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			05/11/12 15:32	1
o-Xylene	0.12	U	1.0	0.12	ug/L			05/11/12 15:32	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			05/11/12 15:32	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			05/11/12 15:32	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			05/11/12 15:32	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			05/11/12 15:32	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			05/11/12 15:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*114*		*70 - 130*		*05/11/12 15:32*	*1*
Dibromofluoromethane	*109*		*62 - 130*		*05/11/12 15:32*	*1*
4-Bromofluorobenzene	*111*		*67 - 139*		*05/11/12 15:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*50 - 134*		*05/11/12 15:32*	*1*

Surrogate Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-54494-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DBFM	BFB	12DCE
Lab Sample ID	Client Sample ID	(70-130)	(62-130)	(67-139)	(50-134)
600-54494-1	MW-71-PRELF-3	79	67	75	66
600-54494-1 - DL2	MW-71-PRELF-3	89	83	99	81
600-54494-1 - DL	MW-71-PRELF-3	88	82	95	80
600-54494-1 MS - DL2	MW-71-PRELF-3	88	90	97	84
600-54494-1 MSD - DL2	MW-71-PRELF-3	89	89	98	83
600-54494-2	MW-71-LF-3	117	108	118	97
600-54494-2 - DL	MW-71-LF-3	110	111	108	101
600-54494-2 - DL	MW-71-LF-3	88	83	100	79
600-54494-3	MW-65-PRELF-3	90	83	96	80
600-54494-3 - DL	MW-65-PRELF-3	86	81	95	78
600-54494-4	MW-65-LF-3	89	82	100	83
600-54494-4 - DL	MW-65-LF-3	88	81	95	79
600-54494-5	MW-8-PRELF-3	90	82	99	82
600-54494-5 - DL	MW-8-PRELF-3	89	85	96	83
600-54494-6	MW-8-LF-3	91	81	97	81
600-54494-6 - DL	MW-8-LF-3	88	82	99	80
600-54494-7	MW-11-PRELF-3	90	81	97	79
600-54494-7 - DL	MW-11-PRELF-3	90	79	94	82
600-54494-7 MS - DL	MW-11-PRELF-3	88	85	94	79
600-54494-7 MSD - DL	MW-11-PRELF-3	90	85	96	78
600-54494-8	MW-11-LF-3	88	80	96	82
600-54494-8 - DL	MW-11-LF-3	89	86	95	82
600-54494-9	MW-40-PRELF-3	114	105	115	99
600-54494-9 - DL	MW-40-PRELF-3	112	105	114	102
600-54494-10	MW-40-LF-3	96	100	112	106
600-54494-10 - DL	MW-40-LF-3	109	100	114	97
600-54494-10 - DL	MW-40-LF-3	120	107	112	109
600-54494-11	MW-68-PRELF-3	103	101	118	101
600-54494-11 - DL	MW-68-PRELF-3	112	105	111	103
600-54494-11 - DL	MW-68-PRELF-3	121	112	120	104
600-54494-12	MW-68-LF-3	110	104	118	99
600-54494-12 - DL	MW-68-LF-3	113	105	116	102
600-54494-12 - DL	MW-68-LF-3	111	116	115	114
600-54494-13	MW-66-PRELF-3	99	66	69	53
600-54494-13 - DL	MW-66-PRELF-3	92	85	100	82
600-54494-13 - DL2	MW-66-PRELF-3	88	83	96	82
600-54494-13 - DL3	MW-66-PRELF-3	89	79	98	75
600-54494-13 MS - DL3	MW-66-PRELF-3	90	84	99	79
600-54494-13 MSD - DL3	MW-66-PRELF-3	87	86	100	77
600-54494-14	MW-66-LF-3	113	108	116	104
600-54494-14 - DL	MW-66-LF-3	121	109	115	121
600-54494-15	MW-4-PRELF-3	89	87	98	85
600-54494-15 - DL	MW-4-PRELF-3	89	81	96	78
600-54494-16 - DL	MW-4-LF-3	88	84	94	81
600-54494-16	MW-4-LF-3	112	105	116	99
600-54494-17	DUP-LF-3	105	105	115	111
600-54494-17 - DL	DUP-LF-3	108	109	115	103
600-54494-18	TRIP BLANK	114	109	111	96
LCS 600-78727/4	Lab Control Sample	77	76	80	75
LCS 600-78997/4	Lab Control Sample	89	88	96	80

Surrogate Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-54494-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DBFM	BFB	12DCE
Lab Sample ID	Client Sample ID	(70-130)	(62-130)	(67-139)	(50-134)
LCS 600-79018/8	Lab Control Sample	123	108	123	115
LCS 600-79067/3	Lab Control Sample	89	85	99	78
LCS 600-79090/3	Lab Control Sample	88	83	96	79
LCS 600-79181/2	Lab Control Sample	118	110	115	113
LCS 600-79199/3	Lab Control Sample	89	91	101	82
MB 600-78727/6	Method Blank	77	68	79	74
MB 600-78997/3	Method Blank	90	83	95	82
MB 600-79018/9	Method Blank	123	99	117	100
MB 600-79067/4	Method Blank	90	83	97	81
MB 600-79090/4	Method Blank	89	79	94	78
MB 600-79181/3	Method Blank	110	111	116	113
MB 600-79199/4	Method Blank	90	88	99	85

Surrogate Legend

TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane
BFB = 4-Bromofluorobenzene
12DCE = 1,2-Dichloroethane-d4 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 600-78727/6
Matrix: Water
Analysis Batch: 78727

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			05/07/12 11:38	1
Benzene	0.080	U	1.0	0.080	ug/L			05/07/12 11:38	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			05/07/12 11:38	1
Bromoform	0.19	U	1.0	0.19	ug/L			05/07/12 11:38	1
Bromomethane	0.25	U	2.0	0.25	ug/L			05/07/12 11:38	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			05/07/12 11:38	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			05/07/12 11:38	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			05/07/12 11:38	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			05/07/12 11:38	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			05/07/12 11:38	1
Chloroethane	0.080	U	2.0	0.080	ug/L			05/07/12 11:38	1
Chloroform	0.13	U	1.0	0.13	ug/L			05/07/12 11:38	1
Chloromethane	0.18	U	2.0	0.18	ug/L			05/07/12 11:38	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			05/07/12 11:38	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			05/07/12 11:38	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			05/07/12 11:38	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			05/07/12 11:38	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			05/07/12 11:38	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			05/07/12 11:38	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			05/07/12 11:38	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			05/07/12 11:38	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			05/07/12 11:38	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			05/07/12 11:38	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			05/07/12 11:38	1
Styrene	0.070	U	1.0	0.070	ug/L			05/07/12 11:38	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			05/07/12 11:38	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			05/07/12 11:38	1
Toluene	0.15	U	1.0	0.15	ug/L			05/07/12 11:38	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			05/07/12 11:38	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			05/07/12 11:38	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			05/07/12 11:38	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			05/07/12 11:38	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			05/07/12 11:38	1
o-Xylene	0.12	U	1.0	0.12	ug/L			05/07/12 11:38	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			05/07/12 11:38	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			05/07/12 11:38	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			05/07/12 11:38	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			05/07/12 11:38	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			05/07/12 11:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*77*		*70 - 130*		*05/07/12 11:38*	*1*
Dibromofluoromethane	*68*		*62 - 130*		*05/07/12 11:38*	*1*
4-Bromofluorobenzene	*79*		*67 - 139*		*05/07/12 11:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*74*		*50 - 134*		*05/07/12 11:38*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-78727/4
Matrix: Water
Analysis Batch: 78727

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	18.4		ug/L		92	28 - 152
Benzene	10.0	9.72		ug/L		97	69 - 131
Chlorobromomethane	10.0	9.62		ug/L		96	60 - 141
Bromoform	10.0	9.99		ug/L		100	39 - 149
Bromomethane	10.0	11.9		ug/L		119	52 - 146
2-Butanone (MEK)	20.0	17.2		ug/L		86	59 - 133
Carbon disulfide	10.0	9.97		ug/L		100	32 - 177
Carbon tetrachloride	10.0	11.5		ug/L		115	59 - 147
Dibromochloromethane	10.0	10.0		ug/L		100	58 - 132
Chlorobenzene	10.0	9.14		ug/L		91	60 - 136
Chloroethane	10.0	12.3		ug/L		123	56 - 144
Chloroform	10.0	9.76		ug/L		98	69 - 128
Chloromethane	10.0	12.0		ug/L		120	32 - 151
1,1-Dichloroethane	10.0	10.3		ug/L		103	66 - 126
1,2-Dichloroethane	10.0	9.93		ug/L		99	66 - 140
1,1-Dichloroethene	10.0	10.6		ug/L		106	59 - 145
trans-1,2-Dichloroethene	10.0	10.5		ug/L		105	70 - 132
1,2-Dichloropropane	10.0	9.80		ug/L		98	72 - 125
cis-1,3-Dichloropropene	10.0	9.77		ug/L		98	60 - 135
trans-1,3-Dichloropropene	10.0	11.5		ug/L		115	63 - 133
Ethylbenzene	10.0	9.66		ug/L		97	68 - 128
2-Hexanone	20.0	18.4		ug/L		92	51 - 130
Methylene Chloride	10.0	10.0		ug/L		100	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	18.0		ug/L		90	56 - 142
Styrene	10.0	9.61		ug/L		96	68 - 133
1,1,2,2-Tetrachloroethane	10.0	9.10		ug/L		91	68 - 134
Tetrachloroethene	10.0	10.4		ug/L		104	61 - 142
Toluene	10.0	9.36		ug/L		94	67 - 130
1,1,1-Trichloroethane	10.0	11.6		ug/L		116	65 - 142
1,1,2-Trichloroethane	10.0	9.10		ug/L		91	68 - 130
Trichloroethene	10.0	9.71		ug/L		97	68 - 130
Vinyl acetate	10.0	11.1		ug/L		111	58 - 175
Vinyl chloride	10.0	11.5		ug/L		115	47 - 146
o-Xylene	10.0	9.48		ug/L		95	68 - 134
m-Xylene & p-Xylene	20.0	19.5		ug/L		98	67 - 132
Xylenes, Total	30.0	29.0		ug/L		97	68 - 132
cis-1,2-Dichloroethene	10.0	9.00		ug/L		90	69 - 129
Bromodichloromethane	10.0	9.41		ug/L		94	73 - 130
1,2-Dichloroethene, Total	20.0	19.5		ug/L		98	65 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*77*		*70 - 130*
Dibromofluoromethane	*76*		*62 - 130*
4-Bromofluorobenzene	*80*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*75*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 600-78997/3
Matrix: Water
Analysis Batch: 78997

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			05/10/12 11:25	1
Benzene	0.080	U	1.0	0.080	ug/L			05/10/12 11:25	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			05/10/12 11:25	1
Bromoform	0.19	U	1.0	0.19	ug/L			05/10/12 11:25	1
Bromomethane	0.25	U	2.0	0.25	ug/L			05/10/12 11:25	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			05/10/12 11:25	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			05/10/12 11:25	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			05/10/12 11:25	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			05/10/12 11:25	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			05/10/12 11:25	1
Chloroethane	0.080	U	2.0	0.080	ug/L			05/10/12 11:25	1
Chloroform	0.13	U	1.0	0.13	ug/L			05/10/12 11:25	1
Chloromethane	0.18	U	2.0	0.18	ug/L			05/10/12 11:25	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			05/10/12 11:25	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			05/10/12 11:25	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			05/10/12 11:25	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			05/10/12 11:25	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			05/10/12 11:25	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			05/10/12 11:25	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			05/10/12 11:25	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			05/10/12 11:25	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			05/10/12 11:25	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			05/10/12 11:25	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			05/10/12 11:25	1
Styrene	0.070	U	1.0	0.070	ug/L			05/10/12 11:25	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			05/10/12 11:25	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			05/10/12 11:25	1
Toluene	0.15	U	1.0	0.15	ug/L			05/10/12 11:25	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			05/10/12 11:25	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			05/10/12 11:25	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			05/10/12 11:25	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			05/10/12 11:25	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			05/10/12 11:25	1
o-Xylene	0.12	U	1.0	0.12	ug/L			05/10/12 11:25	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			05/10/12 11:25	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			05/10/12 11:25	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			05/10/12 11:25	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			05/10/12 11:25	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			05/10/12 11:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*90*		*70 - 130*		*05/10/12 11:25*	*1*
Dibromofluoromethane	*83*		*62 - 130*		*05/10/12 11:25*	*1*
4-Bromofluorobenzene	*95*		*67 - 139*		*05/10/12 11:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*82*		*50 - 134*		*05/10/12 11:25*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-78997/4
Matrix: Water
Analysis Batch: 78997

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	17.0		ug/L		85	28 - 152
Benzene	10.0	10.4		ug/L		104	69 - 131
Chlorobromomethane	10.0	10.1		ug/L		101	60 - 141
Bromoform	10.0	9.13		ug/L		91	39 - 149
Bromomethane	10.0	13.6		ug/L		136	52 - 146
2-Butanone (MEK)	20.0	15.8		ug/L		79	59 - 133
Carbon disulfide	10.0	11.4		ug/L		114	32 - 177
Carbon tetrachloride	10.0	10.6		ug/L		106	59 - 147
Dibromochloromethane	10.0	9.54		ug/L		95	58 - 132
Chlorobenzene	10.0	10.1		ug/L		101	60 - 136
Chloroethane	10.0	12.6		ug/L		126	56 - 144
Chloroform	10.0	10.5		ug/L		105	69 - 128
Chloromethane	10.0	16.7	*	ug/L		167	32 - 151
1,1-Dichloroethane	10.0	11.0		ug/L		110	66 - 126
1,2-Dichloroethane	10.0	10.8		ug/L		108	66 - 140
1,1-Dichloroethene	10.0	11.5		ug/L		115	59 - 145
trans-1,2-Dichloroethene	10.0	11.0		ug/L		110	70 - 132
1,2-Dichloropropane	10.0	10.7		ug/L		107	72 - 125
cis-1,3-Dichloropropene	10.0	10.1		ug/L		101	60 - 135
trans-1,3-Dichloropropene	10.0	10.7		ug/L		107	63 - 133
Ethylbenzene	10.0	10.1		ug/L		101	68 - 128
2-Hexanone	20.0	19.6		ug/L		98	51 - 130
Methylene Chloride	10.0	11.9		ug/L		119	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	19.7		ug/L		99	56 - 142
Styrene	10.0	10.6		ug/L		106	68 - 133
1,1,2,2-Tetrachloroethane	10.0	10.4		ug/L		104	68 - 134
Tetrachloroethene	10.0	11.0		ug/L		110	61 - 142
Toluene	10.0	10.3		ug/L		103	67 - 130
1,1,1-Trichloroethane	10.0	10.7		ug/L		107	65 - 142
1,1,2-Trichloroethane	10.0	10.3		ug/L		103	68 - 130
Trichloroethene	10.0	10.4		ug/L		104	68 - 130
Vinyl acetate	10.0	9.07		ug/L		91	58 - 175
Vinyl chloride	10.0	13.9		ug/L		139	47 - 146
o-Xylene	10.0	10.2		ug/L		102	68 - 134
m-Xylene & p-Xylene	20.0	21.0		ug/L		105	67 - 132
Xylenes, Total	30.0	31.2		ug/L		104	68 - 132
cis-1,2-Dichloroethene	10.0	9.88		ug/L		99	69 - 129
Bromodichloromethane	10.0	9.48		ug/L		95	73 - 130
1,2-Dichloroethene, Total	20.0	20.9		ug/L		104	65 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*89*		*70 - 130*
Dibromofluoromethane	*88*		*62 - 130*
4-Bromofluorobenzene	*96*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*80*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 600-79018/9
Matrix: Water
Analysis Batch: 79018

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			05/10/12 12:37	1
Benzene	0.080	U	1.0	0.080	ug/L			05/10/12 12:37	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			05/10/12 12:37	1
Bromoform	0.19	U	1.0	0.19	ug/L			05/10/12 12:37	1
Bromomethane	0.25	U	2.0	0.25	ug/L			05/10/12 12:37	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			05/10/12 12:37	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			05/10/12 12:37	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			05/10/12 12:37	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			05/10/12 12:37	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			05/10/12 12:37	1
Chloroethane	0.080	U	2.0	0.080	ug/L			05/10/12 12:37	1
Chloroform	0.13	U	1.0	0.13	ug/L			05/10/12 12:37	1
Chloromethane	0.18	U	2.0	0.18	ug/L			05/10/12 12:37	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			05/10/12 12:37	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			05/10/12 12:37	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			05/10/12 12:37	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			05/10/12 12:37	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			05/10/12 12:37	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			05/10/12 12:37	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			05/10/12 12:37	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			05/10/12 12:37	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			05/10/12 12:37	1
Methylene Chloride	0.564	J	5.0	0.15	ug/L			05/10/12 12:37	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			05/10/12 12:37	1
Styrene	0.070	U	1.0	0.070	ug/L			05/10/12 12:37	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			05/10/12 12:37	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			05/10/12 12:37	1
Toluene	0.15	U	1.0	0.15	ug/L			05/10/12 12:37	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			05/10/12 12:37	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			05/10/12 12:37	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			05/10/12 12:37	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			05/10/12 12:37	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			05/10/12 12:37	1
o-Xylene	0.12	U	1.0	0.12	ug/L			05/10/12 12:37	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			05/10/12 12:37	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			05/10/12 12:37	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			05/10/12 12:37	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			05/10/12 12:37	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			05/10/12 12:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*123*		*70 - 130*		*05/10/12 12:37*	*1*
Dibromofluoromethane	*99*		*62 - 130*		*05/10/12 12:37*	*1*
4-Bromofluorobenzene	*117*		*67 - 139*		*05/10/12 12:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*50 - 134*		*05/10/12 12:37*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-79018/8
Matrix: Water
Analysis Batch: 79018

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	19.4		ug/L		97	28 - 152
Benzene	10.0	11.5		ug/L		115	69 - 131
Chlorobromomethane	10.0	9.66		ug/L		97	60 - 141
Bromoform	10.0	10.3		ug/L		103	39 - 149
Bromomethane	10.0	11.2		ug/L		112	52 - 146
2-Butanone (MEK)	20.0	21.4		ug/L		107	59 - 133
Carbon disulfide	10.0	11.4		ug/L		114	32 - 177
Carbon tetrachloride	10.0	10.9		ug/L		109	59 - 147
Dibromochloromethane	10.0	10.7		ug/L		107	58 - 132
Chlorobenzene	10.0	11.4		ug/L		114	60 - 136
Chloroethane	10.0	9.99		ug/L		100	56 - 144
Chloroform	10.0	11.3		ug/L		113	69 - 128
Chloromethane	10.0	10.6		ug/L		106	32 - 151
1,1-Dichloroethane	10.0	11.7		ug/L		117	66 - 126
1,2-Dichloroethane	10.0	10.8		ug/L		108	66 - 140
1,1-Dichloroethene	10.0	10.0		ug/L		100	59 - 145
trans-1,2-Dichloroethene	10.0	10.7		ug/L		107	70 - 132
1,2-Dichloropropane	10.0	11.5		ug/L		115	72 - 125
cis-1,3-Dichloropropene	10.0	11.5		ug/L		115	60 - 135
trans-1,3-Dichloropropene	10.0	11.7		ug/L		117	63 - 133
Ethylbenzene	10.0	11.2		ug/L		112	68 - 128
2-Hexanone	20.0	21.3		ug/L		106	51 - 130
Methylene Chloride	10.0	11.5		ug/L		115	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	22.2		ug/L		111	56 - 142
Styrene	10.0	10.3		ug/L		103	68 - 133
1,1,2,2-Tetrachloroethane	10.0	11.0		ug/L		110	68 - 134
Tetrachloroethene	10.0	12.1		ug/L		121	61 - 142
Toluene	10.0	11.7		ug/L		117	67 - 130
1,1,1-Trichloroethane	10.0	11.6		ug/L		116	65 - 142
1,1,2-Trichloroethane	10.0	11.5		ug/L		115	68 - 130
Trichloroethene	10.0	12.2		ug/L		122	68 - 130
Vinyl acetate	10.0	8.85		ug/L		88	58 - 175
Vinyl chloride	10.0	9.44		ug/L		94	47 - 146
o-Xylene	10.0	11.4		ug/L		114	68 - 134
m-Xylene & p-Xylene	20.0	21.9		ug/L		109	67 - 132
Xylenes, Total	30.0	33.3		ug/L		111	68 - 132
cis-1,2-Dichloroethene	10.0	10.3		ug/L		103	69 - 129
Bromodichloromethane	10.0	10.9		ug/L		109	73 - 130
1,2-Dichloroethene, Total	20.0	21.0		ug/L		105	65 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*123*		*70 - 130*
Dibromofluoromethane	*108*		*62 - 130*
4-Bromofluorobenzene	*123*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*115*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 600-79067/4
Matrix: Water
Analysis Batch: 79067

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			05/11/12 00:36	1
Benzene	0.080	U	1.0	0.080	ug/L			05/11/12 00:36	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			05/11/12 00:36	1
Bromoform	0.19	U	1.0	0.19	ug/L			05/11/12 00:36	1
Bromomethane	0.25	U	2.0	0.25	ug/L			05/11/12 00:36	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			05/11/12 00:36	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			05/11/12 00:36	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			05/11/12 00:36	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			05/11/12 00:36	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			05/11/12 00:36	1
Chloroethane	0.080	U	2.0	0.080	ug/L			05/11/12 00:36	1
Chloroform	0.13	U	1.0	0.13	ug/L			05/11/12 00:36	1
Chloromethane	0.18	U	2.0	0.18	ug/L			05/11/12 00:36	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			05/11/12 00:36	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			05/11/12 00:36	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			05/11/12 00:36	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			05/11/12 00:36	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			05/11/12 00:36	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			05/11/12 00:36	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			05/11/12 00:36	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			05/11/12 00:36	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			05/11/12 00:36	1
Methylene Chloride	0.403	J	5.0	0.15	ug/L			05/11/12 00:36	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			05/11/12 00:36	1
Styrene	0.070	U	1.0	0.070	ug/L			05/11/12 00:36	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			05/11/12 00:36	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			05/11/12 00:36	1
Toluene	0.15	U	1.0	0.15	ug/L			05/11/12 00:36	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			05/11/12 00:36	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			05/11/12 00:36	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			05/11/12 00:36	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			05/11/12 00:36	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			05/11/12 00:36	1
o-Xylene	0.12	U	1.0	0.12	ug/L			05/11/12 00:36	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			05/11/12 00:36	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			05/11/12 00:36	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			05/11/12 00:36	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			05/11/12 00:36	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			05/11/12 00:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*90*		*70 - 130*		*05/11/12 00:36*	*1*
Dibromofluoromethane	*83*		*62 - 130*		*05/11/12 00:36*	*1*
4-Bromofluorobenzene	*97*		*67 - 139*		*05/11/12 00:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*81*		*50 - 134*		*05/11/12 00:36*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-79067/3
Matrix: Water
Analysis Batch: 79067

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	18.1		ug/L		90	28 - 152
Benzene	10.0	10.3		ug/L		103	69 - 131
Chlorobromomethane	10.0	9.82		ug/L		98	60 - 141
Bromoform	10.0	9.02		ug/L		90	39 - 149
Bromomethane	10.0	12.7		ug/L		127	52 - 146
2-Butanone (MEK)	20.0	16.2		ug/L		81	59 - 133
Carbon disulfide	10.0	11.5		ug/L		115	32 - 177
Carbon tetrachloride	10.0	10.8		ug/L		108	59 - 147
Dibromochloromethane	10.0	9.23		ug/L		92	58 - 132
Chlorobenzene	10.0	10.0		ug/L		100	60 - 136
Chloroethane	10.0	12.4		ug/L		124	56 - 144
Chloroform	10.0	10.1		ug/L		101	69 - 128
Chloromethane	10.0	15.7	*	ug/L		157	32 - 151
1,1-Dichloroethane	10.0	10.9		ug/L		109	66 - 126
1,2-Dichloroethane	10.0	10.4		ug/L		104	66 - 140
1,1-Dichloroethene	10.0	11.2		ug/L		112	59 - 145
trans-1,2-Dichloroethene	10.0	11.1		ug/L		111	70 - 132
1,2-Dichloropropane	10.0	10.8		ug/L		108	72 - 125
cis-1,3-Dichloropropene	10.0	9.50		ug/L		95	60 - 135
trans-1,3-Dichloropropene	10.0	10.2		ug/L		102	63 - 133
Ethylbenzene	10.0	10.2		ug/L		102	68 - 128
2-Hexanone	20.0	19.7		ug/L		99	51 - 130
Methylene Chloride	10.0	10.9		ug/L		109	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	19.6		ug/L		98	56 - 142
Styrene	10.0	10.6		ug/L		106	68 - 133
1,1,2,2-Tetrachloroethane	10.0	9.54		ug/L		95	68 - 134
Tetrachloroethene	10.0	18.0	*	ug/L		180	61 - 142
Toluene	10.0	10.2		ug/L		102	67 - 130
1,1,1-Trichloroethane	10.0	10.9		ug/L		109	65 - 142
1,1,2-Trichloroethane	10.0	10.5		ug/L		105	68 - 130
Trichloroethene	10.0	10.6		ug/L		106	68 - 130
Vinyl acetate	10.0	6.75		ug/L		67	58 - 175
Vinyl chloride	10.0	13.3		ug/L		133	47 - 146
o-Xylene	10.0	10.2		ug/L		102	68 - 134
m-Xylene & p-Xylene	20.0	20.6		ug/L		103	67 - 132
Xylenes, Total	30.0	30.8		ug/L		103	68 - 132
cis-1,2-Dichloroethene	10.0	9.90		ug/L		99	69 - 129
Bromodichloromethane	10.0	9.45		ug/L		94	73 - 130
1,2-Dichloroethene, Total	20.0	21.0		ug/L		105	65 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*89*		*70 - 130*
Dibromofluoromethane	*85*		*62 - 130*
4-Bromofluorobenzene	*99*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*78*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 600-79090/4
Matrix: Water
Analysis Batch: 79090

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			05/11/12 13:20	1
Benzene	0.080	U	1.0	0.080	ug/L			05/11/12 13:20	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			05/11/12 13:20	1
Bromoform	0.19	U	1.0	0.19	ug/L			05/11/12 13:20	1
Bromomethane	0.25	U	2.0	0.25	ug/L			05/11/12 13:20	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			05/11/12 13:20	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			05/11/12 13:20	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			05/11/12 13:20	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			05/11/12 13:20	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			05/11/12 13:20	1
Chloroethane	0.080	U	2.0	0.080	ug/L			05/11/12 13:20	1
Chloroform	0.13	U	1.0	0.13	ug/L			05/11/12 13:20	1
Chloromethane	0.18	U	2.0	0.18	ug/L			05/11/12 13:20	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			05/11/12 13:20	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			05/11/12 13:20	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			05/11/12 13:20	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			05/11/12 13:20	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			05/11/12 13:20	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			05/11/12 13:20	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			05/11/12 13:20	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			05/11/12 13:20	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			05/11/12 13:20	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			05/11/12 13:20	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			05/11/12 13:20	1
Styrene	0.070	U	1.0	0.070	ug/L			05/11/12 13:20	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			05/11/12 13:20	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			05/11/12 13:20	1
Toluene	0.15	U	1.0	0.15	ug/L			05/11/12 13:20	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			05/11/12 13:20	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			05/11/12 13:20	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			05/11/12 13:20	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			05/11/12 13:20	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			05/11/12 13:20	1
o-Xylene	0.12	U	1.0	0.12	ug/L			05/11/12 13:20	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			05/11/12 13:20	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			05/11/12 13:20	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			05/11/12 13:20	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			05/11/12 13:20	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			05/11/12 13:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*89*		*70 - 130*		*05/11/12 13:20*	*1*
Dibromofluoromethane	*79*		*62 - 130*		*05/11/12 13:20*	*1*
4-Bromofluorobenzene	*94*		*67 - 139*		*05/11/12 13:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*78*		*50 - 134*		*05/11/12 13:20*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-79090/3
Matrix: Water
Analysis Batch: 79090

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	15.3		ug/L		77	28 - 152
Benzene	10.0	9.78		ug/L		98	69 - 131
Chlorobromomethane	10.0	9.40		ug/L		94	60 - 141
Bromoform	10.0	8.88		ug/L		89	39 - 149
Bromomethane	10.0	13.3		ug/L		133	52 - 146
2-Butanone (MEK)	20.0	14.7		ug/L		73	59 - 133
Carbon disulfide	10.0	10.7		ug/L		107	32 - 177
Carbon tetrachloride	10.0	10.2		ug/L		102	59 - 147
Dibromochloromethane	10.0	9.24		ug/L		92	58 - 132
Chlorobenzene	10.0	9.78		ug/L		98	60 - 136
Chloroethane	10.0	12.2		ug/L		122	56 - 144
Chloroform	10.0	9.85		ug/L		99	69 - 128
Chloromethane	10.0	16.0	*	ug/L		160	32 - 151
1,1-Dichloroethane	10.0	10.1		ug/L		101	66 - 126
1,2-Dichloroethane	10.0	9.97		ug/L		100	66 - 140
1,1-Dichloroethene	10.0	10.8		ug/L		108	59 - 145
trans-1,2-Dichloroethene	10.0	10.3		ug/L		103	70 - 132
1,2-Dichloropropane	10.0	9.79		ug/L		98	72 - 125
cis-1,3-Dichloropropene	10.0	9.61		ug/L		96	60 - 135
trans-1,3-Dichloropropene	10.0	10.1		ug/L		101	63 - 133
Ethylbenzene	10.0	9.69		ug/L		97	68 - 128
2-Hexanone	20.0	18.5		ug/L		93	51 - 130
Methylene Chloride	10.0	13.1		ug/L		131	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	19.0		ug/L		95	56 - 142
Styrene	10.0	10.3		ug/L		103	68 - 133
1,1,2,2-Tetrachloroethane	10.0	10.4		ug/L		104	68 - 134
Tetrachloroethene	10.0	10.1		ug/L		101	61 - 142
Toluene	10.0	9.80		ug/L		98	67 - 130
1,1,1-Trichloroethane	10.0	10.1		ug/L		101	65 - 142
1,1,2-Trichloroethane	10.0	9.67		ug/L		97	68 - 130
Trichloroethene	10.0	9.33		ug/L		93	68 - 130
Vinyl acetate	10.0	8.76		ug/L		88	58 - 175
Vinyl chloride	10.0	13.2		ug/L		132	47 - 146
o-Xylene	10.0	9.98		ug/L		100	68 - 134
m-Xylene & p-Xylene	20.0	20.0		ug/L		100	67 - 132
Xylenes, Total	30.0	30.0		ug/L		100	68 - 132
cis-1,2-Dichloroethene	10.0	8.95		ug/L		90	69 - 129
Bromodichloromethane	10.0	9.46		ug/L		95	73 - 130
1,2-Dichloroethene, Total	20.0	19.3		ug/L		96	65 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*88*		*70 - 130*
Dibromofluoromethane	*83*		*62 - 130*
4-Bromofluorobenzene	*96*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*79*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 600-79181/3
Matrix: Water
Analysis Batch: 79181

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			05/11/12 10:59	1
Benzene	0.080	U	1.0	0.080	ug/L			05/11/12 10:59	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			05/11/12 10:59	1
Bromoform	0.19	U	1.0	0.19	ug/L			05/11/12 10:59	1
Bromomethane	0.25	U	2.0	0.25	ug/L			05/11/12 10:59	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			05/11/12 10:59	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			05/11/12 10:59	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			05/11/12 10:59	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			05/11/12 10:59	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			05/11/12 10:59	1
Chloroethane	0.080	U	2.0	0.080	ug/L			05/11/12 10:59	1
Chloroform	0.13	U	1.0	0.13	ug/L			05/11/12 10:59	1
Chloromethane	0.18	U	2.0	0.18	ug/L			05/11/12 10:59	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			05/11/12 10:59	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			05/11/12 10:59	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			05/11/12 10:59	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			05/11/12 10:59	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			05/11/12 10:59	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			05/11/12 10:59	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			05/11/12 10:59	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			05/11/12 10:59	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			05/11/12 10:59	1
Methylene Chloride	1.50	J	5.0	0.15	ug/L			05/11/12 10:59	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			05/11/12 10:59	1
Styrene	0.070	U	1.0	0.070	ug/L			05/11/12 10:59	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			05/11/12 10:59	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			05/11/12 10:59	1
Toluene	0.15	U	1.0	0.15	ug/L			05/11/12 10:59	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			05/11/12 10:59	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			05/11/12 10:59	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			05/11/12 10:59	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			05/11/12 10:59	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			05/11/12 10:59	1
o-Xylene	0.12	U	1.0	0.12	ug/L			05/11/12 10:59	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			05/11/12 10:59	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			05/11/12 10:59	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			05/11/12 10:59	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			05/11/12 10:59	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			05/11/12 10:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*110*		*70 - 130*		*05/11/12 10:59*	*1*
Dibromofluoromethane	*111*		*62 - 130*		*05/11/12 10:59*	*1*
4-Bromofluorobenzene	*116*		*67 - 139*		*05/11/12 10:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*50 - 134*		*05/11/12 10:59*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-79181/2
Matrix: Water
Analysis Batch: 79181

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	18.3		ug/L		92	28 - 152
Benzene	10.0	10.5		ug/L		105	69 - 131
Chlorobromomethane	10.0	8.95		ug/L		90	60 - 141
Bromoform	10.0	9.25		ug/L		93	39 - 149
Bromomethane	10.0	8.47		ug/L		85	52 - 146
2-Butanone (MEK)	20.0	21.0		ug/L		105	59 - 133
Carbon disulfide	10.0	9.94		ug/L		99	32 - 177
Carbon tetrachloride	10.0	9.88		ug/L		99	59 - 147
Dibromochloromethane	10.0	9.22		ug/L		92	58 - 132
Chlorobenzene	10.0	9.47		ug/L		95	60 - 136
Chloroethane	10.0	9.30		ug/L		93	56 - 144
Chloroform	10.0	10.1		ug/L		101	69 - 128
Chloromethane	10.0	11.4		ug/L		114	32 - 151
1,1-Dichloroethane	10.0	11.6		ug/L		116	66 - 126
1,2-Dichloroethane	10.0	10.1		ug/L		101	66 - 140
1,1-Dichloroethene	10.0	8.93		ug/L		89	59 - 145
trans-1,2-Dichloroethene	10.0	9.83		ug/L		98	70 - 132
1,2-Dichloropropane	10.0	10.6		ug/L		106	72 - 125
cis-1,3-Dichloropropene	10.0	10.0		ug/L		100	60 - 135
trans-1,3-Dichloropropene	10.0	10.6		ug/L		106	63 - 133
Ethylbenzene	10.0	9.54		ug/L		95	68 - 128
2-Hexanone	20.0	15.9		ug/L		80	51 - 130
Methylene Chloride	10.0	11.8		ug/L		118	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	19.1		ug/L		96	56 - 142
Styrene	10.0	9.06		ug/L		91	68 - 133
1,1,2,2-Tetrachloroethane	10.0	9.91		ug/L		99	68 - 134
Tetrachloroethene	10.0	10.4		ug/L		104	61 - 142
Toluene	10.0	10.2		ug/L		102	67 - 130
1,1,1-Trichloroethane	10.0	10.5		ug/L		105	65 - 142
1,1,2-Trichloroethane	10.0	10.1		ug/L		101	68 - 130
Trichloroethene	10.0	11.2		ug/L		112	68 - 130
Vinyl acetate	10.0	7.19		ug/L		72	58 - 175
Vinyl chloride	10.0	8.89		ug/L		89	47 - 146
o-Xylene	10.0	9.65		ug/L		97	68 - 134
m-Xylene & p-Xylene	20.0	18.7		ug/L		93	67 - 132
Xylenes, Total	30.0	28.4		ug/L		95	68 - 132
cis-1,2-Dichloroethene	10.0	9.43		ug/L		94	69 - 129
Bromodichloromethane	10.0	9.75		ug/L		98	73 - 130
1,2-Dichloroethene, Total	20.0	19.3		ug/L		96	65 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*118*		*70 - 130*
Dibromofluoromethane	*110*		*62 - 130*
4-Bromofluorobenzene	*115*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*113*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 600-79199/4
Matrix: Water
Analysis Batch: 79199

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			05/14/12 10:55	1
Benzene	0.080	U	1.0	0.080	ug/L			05/14/12 10:55	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			05/14/12 10:55	1
Bromoform	0.19	U	1.0	0.19	ug/L			05/14/12 10:55	1
Bromomethane	0.25	U	2.0	0.25	ug/L			05/14/12 10:55	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			05/14/12 10:55	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			05/14/12 10:55	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			05/14/12 10:55	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			05/14/12 10:55	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			05/14/12 10:55	1
Chloroethane	0.080	U	2.0	0.080	ug/L			05/14/12 10:55	1
Chloroform	0.13	U	1.0	0.13	ug/L			05/14/12 10:55	1
Chloromethane	0.18	U	2.0	0.18	ug/L			05/14/12 10:55	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			05/14/12 10:55	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			05/14/12 10:55	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			05/14/12 10:55	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			05/14/12 10:55	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			05/14/12 10:55	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			05/14/12 10:55	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			05/14/12 10:55	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			05/14/12 10:55	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			05/14/12 10:55	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			05/14/12 10:55	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			05/14/12 10:55	1
Styrene	0.070	U	1.0	0.070	ug/L			05/14/12 10:55	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			05/14/12 10:55	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			05/14/12 10:55	1
Toluene	0.15	U	1.0	0.15	ug/L			05/14/12 10:55	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			05/14/12 10:55	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			05/14/12 10:55	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			05/14/12 10:55	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			05/14/12 10:55	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			05/14/12 10:55	1
o-Xylene	0.12	U	1.0	0.12	ug/L			05/14/12 10:55	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			05/14/12 10:55	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			05/14/12 10:55	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			05/14/12 10:55	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			05/14/12 10:55	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			05/14/12 10:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*90*		*70 - 130*		*05/14/12 10:55*	*1*
Dibromofluoromethane	*88*		*62 - 130*		*05/14/12 10:55*	*1*
4-Bromofluorobenzene	*99*		*67 - 139*		*05/14/12 10:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*85*		*50 - 134*		*05/14/12 10:55*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-79199/3
Matrix: Water
Analysis Batch: 79199

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	17.9		ug/L		89	28 - 152
Benzene	10.0	9.59		ug/L		96	69 - 131
Chlorobromomethane	10.0	9.45		ug/L		95	60 - 141
Bromoform	10.0	12.0		ug/L		120	39 - 149
Bromomethane	10.0	13.7		ug/L		137	52 - 146
2-Butanone (MEK)	20.0	15.3		ug/L		77	59 - 133
Carbon disulfide	10.0	10.9		ug/L		109	32 - 177
Carbon tetrachloride	10.0	12.3		ug/L		123	59 - 147
Dibromochloromethane	10.0	11.3		ug/L		113	58 - 132
Chlorobenzene	10.0	9.35		ug/L		93	60 - 136
Chloroethane	10.0	13.0		ug/L		130	56 - 144
Chloroform	10.0	9.71		ug/L		97	69 - 128
Chloromethane	10.0	15.9	*	ug/L		159	32 - 151
1,1-Dichloroethane	10.0	10.0		ug/L		100	66 - 126
1,2-Dichloroethane	10.0	9.81		ug/L		98	66 - 140
1,1-Dichloroethene	10.0	11.5		ug/L		115	59 - 145
trans-1,2-Dichloroethene	10.0	10.1		ug/L		101	70 - 132
1,2-Dichloropropane	10.0	9.81		ug/L		98	72 - 125
cis-1,3-Dichloropropene	10.0	11.3		ug/L		113	60 - 135
trans-1,3-Dichloropropene	10.0	12.3		ug/L		123	63 - 133
Ethylbenzene	10.0	9.50		ug/L		95	68 - 128
2-Hexanone	20.0	17.8		ug/L		89	51 - 130
Methylene Chloride	10.0	9.45		ug/L		95	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	18.5		ug/L		92	56 - 142
Styrene	10.0	9.84		ug/L		98	68 - 133
1,1,2,2-Tetrachloroethane	10.0	9.91		ug/L		99	68 - 134
Tetrachloroethene	10.0	9.65		ug/L		96	61 - 142
Toluene	10.0	9.63		ug/L		96	67 - 130
1,1,1-Trichloroethane	10.0	11.3		ug/L		113	65 - 142
1,1,2-Trichloroethane	10.0	9.47		ug/L		95	68 - 130
Trichloroethene	10.0	9.45		ug/L		94	68 - 130
Vinyl acetate	10.0	8.50		ug/L		85	58 - 175
Vinyl chloride	10.0	14.0		ug/L		140	47 - 146
o-Xylene	10.0	9.34		ug/L		93	68 - 134
m-Xylene & p-Xylene	20.0	19.4		ug/L		97	67 - 132
Xylenes, Total	30.0	28.7		ug/L		96	68 - 132
cis-1,2-Dichloroethene	10.0	9.05		ug/L		91	69 - 129
Bromodichloromethane	10.0	10.6		ug/L		106	73 - 130
1,2-Dichloroethene, Total	20.0	19.2		ug/L		96	65 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*89*		*70 - 130*
Dibromofluoromethane	*91*		*62 - 130*
4-Bromofluorobenzene	*101*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*82*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Lab Sample ID: 600-54494-7 MS
Matrix: Water
Analysis Batch: 79067

Client Sample ID: MW-11-PRELF-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone - DL	990		20000	16300		ug/L		82	60 - 140
Benzene - DL	100		10000	9820		ug/L		97	65 - 125
Chlorobromomethane - DL	180		10000	9230		ug/L		92	60 - 140
Bromoform - DL	190		10000	7810		ug/L		78	60 - 140
Bromomethane - DL	250		10000	12500		ug/L		125	60 - 140
2-Butanone (MEK) - DL	760		20000	16100		ug/L		80	60 - 140
Carbon disulfide - DL	240		10000	10300		ug/L		103	60 - 140
Carbon tetrachloride - DL	150		10000	9530		ug/L		95	60 - 140
Dibromochloromethane - DL	150		10000	8600		ug/L		86	60 - 140
Chlorobenzene - DL	120		10000	9100		ug/L		91	72 - 122
Chloroethane - DL	80		10000	12100		ug/L		121	60 - 140
Chloroform - DL	130		10000	9500		ug/L		95	60 - 140
Chloromethane - DL	180		10000	16500	F	ug/L		165	60 - 140
1,1-Dichloroethane - DL	940		10000	11100		ug/L		102	60 - 140
1,2-Dichloroethane - DL	3500		10000	13800		ug/L		103	60 - 140
1,1-Dichloroethene - DL	390		10000	10700		ug/L		103	22 - 143
trans-1,2-Dichloroethene - DL	1300		10000	11600		ug/L		103	60 - 140
1,2-Dichloropropane - DL	160		10000	10000		ug/L		100	60 - 140
cis-1,3-Dichloropropene - DL	180		10000	8990		ug/L		90	60 - 140
trans-1,3-Dichloropropene - DL	210		10000	9470		ug/L		95	60 - 140
Ethylbenzene - DL	110		10000	8860		ug/L		89	60 - 140
2-Hexanone - DL	350		20000	18700		ug/L		94	60 - 140
Methylene Chloride - DL	520		10000	11200		ug/L		107	60 - 140
4-Methyl-2-pentanone (MIBK) - DL	450		20000	19200		ug/L		96	60 - 140
Styrene - DL	70		10000	9560		ug/L		96	60 - 140
1,1,2,2-Tetrachloroethane - DL	220		10000	9630		ug/L		96	60 - 140
Tetrachloroethene - DL	130		10000	8820		ug/L		88	60 - 140
Toluene - DL	150		10000	9120		ug/L		91	76 - 125
1,1,1-Trichloroethane - DL	150		10000	9580		ug/L		96	60 - 140
1,1,2-Trichloroethane - DL	280		10000	10000		ug/L		100	60 - 140
Trichloroethene - DL	370		10000	9600		ug/L		92	56 - 118
Vinyl acetate - DL	210		10000	8560		ug/L		86	60 - 140
Vinyl chloride - DL	23000		10000	37800	F	ug/L		148	60 - 140
o-Xylene - DL	120		10000	9080		ug/L		91	60 - 140
m-Xylene & p-Xylene - DL	170		20000	17800		ug/L		89	60 - 140
Xylenes, Total - DL	260		30000	26900		ug/L		90	60 - 140
cis-1,2-Dichloroethene - DL	3000		10000	12300		ug/L		93	60 - 140
Bromodichloromethane - DL	160		10000	8910		ug/L		89	60 - 140
1,2-Dichloroethene, Total - DL	4300		20000	23900		ug/L		98	60 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr) - DL	*88*		*70 - 130*
Dibromofluoromethane - DL	*85*		*62 - 130*
4-Bromofluorobenzene - DL	*94*		*67 - 139*
1,2-Dichloroethane-d4 (Surr) - DL	*79*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Lab Sample ID: 600-54494-7 MSD
Matrix: Water
Analysis Batch: 79067

Client Sample ID: MW-11-PRELF-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone - DL	990		20000	17400		ug/L		87	60 - 140	6	30
Benzene - DL	100		10000	9610		ug/L		95	65 - 125	2	30
Chlorobromomethane - DL	180		10000	9940		ug/L		99	60 - 140	7	30
Bromoform - DL	190		10000	8650		ug/L		86	60 - 140	10	30
Bromomethane - DL	250		10000	12900		ug/L		129	60 - 140	3	30
2-Butanone (MEK) - DL	760		20000	17200		ug/L		86	60 - 140	7	30
Carbon disulfide - DL	240		10000	10000		ug/L		100	60 - 140	3	30
Carbon tetrachloride - DL	150		10000	9750		ug/L		97	60 - 140	2	30
Dibromochloromethane - DL	150		10000	9610		ug/L		96	60 - 140	11	30
Chlorobenzene - DL	120		10000	9220		ug/L		92	72 - 122	1	30
Chloroethane - DL	80		10000	12000		ug/L		120	60 - 140	0	30
Chloroform - DL	130		10000	10300		ug/L		103	60 - 140	8	30
Chloromethane - DL	180		10000	16800	F	ug/L		168	60 - 140	2	30
1,1-Dichloroethane - DL	940		10000	11300		ug/L		104	60 - 140	2	30
1,2-Dichloroethane - DL	3500		10000	13500		ug/L		101	60 - 140	2	30
1,1-Dichloroethene - DL	390		10000	10500		ug/L		101	22 - 143	2	30
trans-1,2-Dichloroethene - DL	1300		10000	11500		ug/L		101	60 - 140	1	30
1,2-Dichloropropane - DL	160		10000	10000		ug/L		100	60 - 140	0	30
cis-1,3-Dichloropropene - DL	180		10000	9650		ug/L		96	60 - 140	7	30
trans-1,3-Dichloropropene - DL	210		10000	10100		ug/L		101	60 - 140	7	30
Ethylbenzene - DL	110		10000	9150		ug/L		91	60 - 140	3	30
2-Hexanone - DL	350		20000	20400		ug/L		102	60 - 140	9	30
Methylene Chloride - DL	520		10000	12500		ug/L		119	60 - 140	11	30
4-Methyl-2-pentanone (MIBK) - DL	450		20000	20400		ug/L		102	60 - 140	6	30
Styrene - DL	70		10000	9460		ug/L		95	60 - 140	1	30
1,1,2,2-Tetrachloroethane - DL	220		10000	10100		ug/L		101	60 - 140	4	30
Tetrachloroethene - DL	130		10000	9180		ug/L		92	60 - 140	4	30
Toluene - DL	150		10000	9470		ug/L		95	76 - 125	4	30
1,1,1-Trichloroethane - DL	150		10000	9720		ug/L		97	60 - 140	1	30
1,1,2-Trichloroethane - DL	280		10000	10600		ug/L		106	60 - 140	5	30
Trichloroethene - DL	370		10000	9330		ug/L		90	56 - 118	3	30
Vinyl acetate - DL	210		10000	9330		ug/L		93	60 - 140	9	30
Vinyl chloride - DL	23000		10000	35400		ug/L		124	60 - 140	7	30
o-Xylene - DL	120		10000	9200		ug/L		92	60 - 140	1	30
m-Xylene & p-Xylene - DL	170		20000	18500		ug/L		92	60 - 140	4	30
Xylenes, Total - DL	260		30000	27700		ug/L		92	60 - 140	3	30
cis-1,2-Dichloroethene - DL	3000		10000	12200		ug/L		92	60 - 140	1	30
Bromodichloromethane - DL	160		10000	9710		ug/L		97	60 - 140	9	30
1,2-Dichloroethene, Total - DL	4300		20000	23700		ug/L		97	60 - 140	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr) - DL	*90*		*70 - 130*
Dibromofluoromethane - DL	*85*		*62 - 130*
4-Bromofluorobenzene - DL	*96*		*67 - 139*
1,2-Dichloroethane-d4 (Surr) - DL	*78*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2

Lab Sample ID: 600-54494-1 MS
Matrix: Water
Analysis Batch: 78997

Client Sample ID: MW-71-PRELF-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone - DL2	2000		40000	39500		ug/L		99	60 - 140
Benzene - DL2	2200		20000	24000		ug/L		109	65 - 125
Chlorobromomethane - DL2	360		20000	21200		ug/L		106	60 - 140
Bromoform - DL2	380		20000	19800		ug/L		99	60 - 140
Bromomethane - DL2	500		20000	26200		ug/L		131	60 - 140
2-Butanone (MEK) - DL2	1500		40000	38000		ug/L		95	60 - 140
Carbon disulfide - DL2	480		20000	23600		ug/L		118	60 - 140
Carbon tetrachloride - DL2	300		20000	22900		ug/L		115	60 - 140
Dibromochloromethane - DL2	300		20000	20700		ug/L		104	60 - 140
Chlorobenzene - DL2	240		20000	20700		ug/L		103	72 - 122
Chloroethane - DL2	160		20000	25700		ug/L		129	60 - 140
Chloroform - DL2	260		20000	21100		ug/L		105	60 - 140
Chloromethane - DL2	360		20000	34300	F	ug/L		172	60 - 140
1,1-Dichloroethane - DL2	730		20000	23300		ug/L		113	60 - 140
1,2-Dichloroethane - DL2	56000		20000	80700		ug/L		123	60 - 140
1,1-Dichloroethene - DL2	590		20000	24100		ug/L		118	22 - 143
trans-1,2-Dichloroethene - DL2	1200		20000	24600		ug/L		117	60 - 140
1,2-Dichloropropane - DL2	320		20000	22600		ug/L		113	60 - 140
cis-1,3-Dichloropropene - DL2	360		20000	21700		ug/L		109	60 - 140
trans-1,3-Dichloropropene - DL2	420		20000	22800		ug/L		114	60 - 140
Ethylbenzene - DL2	220		20000	20900		ug/L		104	60 - 140
2-Hexanone - DL2	700		40000	40200		ug/L		100	60 - 140
Methylene Chloride - DL2	1400		20000	23500		ug/L		111	60 - 140
4-Methyl-2-pentanone (MIBK) - DL2	900		40000	41800		ug/L		105	60 - 140
Styrene - DL2	140		20000	22200		ug/L		111	60 - 140
1,1,2,2-Tetrachloroethane - DL2	440		20000	21900		ug/L		110	60 - 140
Tetrachloroethene - DL2	260		20000	20900		ug/L		105	60 - 140
Toluene - DL2	300		20000	20800		ug/L		104	76 - 125
1,1,1-Trichloroethane - DL2	300		20000	22900		ug/L		114	60 - 140
1,1,2-Trichloroethane - DL2	6200		20000	28100		ug/L		110	60 - 140
Trichloroethene - DL2	360		20000	20900		ug/L		105	56 - 118
Vinyl acetate - DL2	420		20000	19800		ug/L		99	60 - 140
Vinyl chloride - DL2	63000		20000	92700	F	ug/L		147	60 - 140
o-Xylene - DL2	240		20000	20600		ug/L		103	60 - 140
m-Xylene & p-Xylene - DL2	340		40000	42700		ug/L		107	60 - 140
Xylenes, Total - DL2	520		60000	63300		ug/L		106	60 - 140
cis-1,2-Dichloroethene - DL2	850		20000	21300		ug/L		102	60 - 140
Bromodichloromethane - DL2	320		20000	20200		ug/L		101	60 - 140
1,2-Dichloroethene, Total - DL2	2100		40000	45900		ug/L		110	60 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr) - DL2	*88*		*70 - 130*
Dibromofluoromethane - DL2	*90*		*62 - 130*
4-Bromofluorobenzene - DL2	*97*		*67 - 139*
1,2-Dichloroethane-d4 (Surr) - DL2	*84*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2 (Continued)

Lab Sample ID: 600-54494-1 MSD
Matrix: Water
Analysis Batch: 78997

Client Sample ID: MW-71-PRELF-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone - DL2	2000		40000	38200		ug/L		96	60 - 140	3	30
Benzene - DL2	2200		20000	24000		ug/L		109	65 - 125	0	30
Chlorobromomethane - DL2	360		20000	21300		ug/L		106	60 - 140	0	30
Bromoform - DL2	380		20000	20800		ug/L		104	60 - 140	5	30
Bromomethane - DL2	500		20000	26000		ug/L		130	60 - 140	1	30
2-Butanone (MEK) - DL2	1500		40000	36700		ug/L		92	60 - 140	3	30
Carbon disulfide - DL2	480		20000	23700		ug/L		118	60 - 140	0	30
Carbon tetrachloride - DL2	300		20000	23800		ug/L		119	60 - 140	4	30
Dibromochloromethane - DL2	300		20000	21200		ug/L		106	60 - 140	3	30
Chlorobenzene - DL2	240		20000	21000		ug/L		105	72 - 122	1	30
Chloroethane - DL2	160		20000	25700		ug/L		128	60 - 140	0	30
Chloroform - DL2	260		20000	21300		ug/L		107	60 - 140	1	30
Chloromethane - DL2	360		20000	33500	F	ug/L		168	60 - 140	2	30
1,1-Dichloroethane - DL2	730		20000	23500		ug/L		114	60 - 140	1	30
1,2-Dichloroethane - DL2	56000		20000	81200		ug/L		125	60 - 140	1	30
1,1-Dichloroethene - DL2	590		20000	23600		ug/L		115	22 - 143	2	30
trans-1,2-Dichloroethene - DL2	1200		20000	23700		ug/L		113	60 - 140	4	30
1,2-Dichloropropane - DL2	320		20000	22200		ug/L		111	60 - 140	2	30
cis-1,3-Dichloropropene - DL2	360		20000	22200		ug/L		111	60 - 140	2	30
trans-1,3-Dichloropropene - DL2	420		20000	23400		ug/L		117	60 - 140	3	30
Ethylbenzene - DL2	220		20000	21000		ug/L		105	60 - 140	1	30
2-Hexanone - DL2	700		40000	41200		ug/L		103	60 - 140	3	30
Methylene Chloride - DL2	1400		20000	22900		ug/L		108	60 - 140	3	30
4-Methyl-2-pentanone (MIBK) - DL2	900		40000	41300		ug/L		103	60 - 140	1	30
Styrene - DL2	140		20000	21900		ug/L		110	60 - 140	1	30
1,1,2,2-Tetrachloroethane - DL2	440		20000	22100		ug/L		111	60 - 140	1	30
Tetrachloroethene - DL2	260		20000	21300		ug/L		107	60 - 140	2	30
Toluene - DL2	300		20000	21300		ug/L		106	76 - 125	2	30
1,1,1-Trichloroethane - DL2	300		20000	23000		ug/L		115	60 - 140	1	30
1,1,2-Trichloroethane - DL2	6200		20000	28100		ug/L		110	60 - 140	0	30
Trichloroethene - DL2	360		20000	21400		ug/L		107	56 - 118	2	30
Vinyl acetate - DL2	420		20000	19400		ug/L		97	60 - 140	2	30
Vinyl chloride - DL2	63000		20000	91900	F	ug/L		143	60 - 140	1	30
o-Xylene - DL2	240		20000	21000		ug/L		105	60 - 140	2	30
m-Xylene & p-Xylene - DL2	340		40000	42600		ug/L		106	60 - 140	0	30
Xylenes, Total - DL2	520		60000	63600		ug/L		106	60 - 140	0	30
cis-1,2-Dichloroethene - DL2	850		20000	21800		ug/L		105	60 - 140	2	30
Bromodichloromethane - DL2	320		20000	20900		ug/L		104	60 - 140	3	30
1,2-Dichloroethene, Total - DL2	2100		40000	45500		ug/L		109	60 - 140	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr) - DL2	*89*		*70 - 130*
Dibromofluoromethane - DL2	*89*		*62 - 130*
4-Bromofluorobenzene - DL2	*98*		*67 - 139*
1,2-Dichloroethane-d4 (Surr) - DL2	*83*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL3

Lab Sample ID: 600-54494-13 MS
Matrix: Water
Analysis Batch: 79090

Client Sample ID: MW-66-PRELF-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone - DL3	9900		200000	171000		ug/L		86	60 - 140
Benzene - DL3	6200		100000	110000		ug/L		104	65 - 125
Chlorobromomethane - DL3	1800		100000	99600		ug/L		100	60 - 140
Bromoform - DL3	1900		100000	95200		ug/L		95	60 - 140
Bromomethane - DL3	2500		100000	136000		ug/L		136	60 - 140
2-Butanone (MEK) - DL3	7600		200000	164000		ug/L		82	60 - 140
Carbon disulfide - DL3	2400		100000	111000		ug/L		111	60 - 140
Carbon tetrachloride - DL3	1500		100000	106000		ug/L		106	60 - 140
Dibromochloromethane - DL3	1500		100000	101000		ug/L		101	60 - 140
Chlorobenzene - DL3	1200		100000	106000		ug/L		106	72 - 122
Chloroethane - DL3	800		100000	127000		ug/L		127	60 - 140
Chloroform - DL3	1300		100000	107000		ug/L		107	60 - 140
Chloromethane - DL3	1800		100000	164000	F	ug/L		164	60 - 140
1,1-Dichloroethane - DL3	1100		100000	111000		ug/L		111	60 - 140
1,2-Dichloroethane - DL3	160000		100000	269000		ug/L		104	60 - 140
1,1-Dichloroethene - DL3	1900		100000	115000		ug/L		113	22 - 143
trans-1,2-Dichloroethene - DL3	900		100000	109000		ug/L		109	60 - 140
1,2-Dichloropropane - DL3	1600		100000	104000		ug/L		104	60 - 140
cis-1,3-Dichloropropene - DL3	1800		100000	104000		ug/L		104	60 - 140
trans-1,3-Dichloropropene - DL3	2100		100000	109000		ug/L		109	60 - 140
Ethylbenzene - DL3	2900		100000	109000		ug/L		107	60 - 140
2-Hexanone - DL3	3500		200000	213000		ug/L		106	60 - 140
Methylene Chloride - DL3	8500		100000	116000		ug/L		108	60 - 140
4-Methyl-2-pentanone (MIBK) - DL3	4500		200000	209000		ug/L		105	60 - 140
Styrene - DL3	700		100000	111000		ug/L		111	60 - 140
1,1,2,2-Tetrachloroethane - DL3	2200		100000	108000		ug/L		108	60 - 140
Tetrachloroethene - DL3	1300		100000	107000		ug/L		107	60 - 140
Toluene - DL3	2200		100000	110000		ug/L		107	76 - 125
1,1,1-Trichloroethane - DL3	1500		100000	107000		ug/L		107	60 - 140
1,1,2-Trichloroethane - DL3	120000		100000	234000		ug/L		117	60 - 140
Trichloroethene - DL3	1800		100000	102000		ug/L		102	56 - 118
Vinyl acetate - DL3	2100		100000	89800		ug/L		90	60 - 140
Vinyl chloride - DL3	65000		100000	214000	F	ug/L		149	60 - 140
o-Xylene - DL3	1200		100000	106000		ug/L		106	60 - 140
m-Xylene & p-Xylene - DL3	1700		200000	216000		ug/L		108	60 - 140
Xylenes, Total - DL3	2600		300000	322000		ug/L		107	60 - 140
cis-1,2-Dichloroethene - DL3	600		100000	98000		ug/L		98	60 - 140
Bromodichloromethane - DL3	1600		100000	98400		ug/L		98	60 - 140
1,2-Dichloroethene, Total - DL3	3000		200000	207000		ug/L		104	60 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr) - DL3	*90*		*70 - 130*
Dibromofluoromethane - DL3	*84*		*62 - 130*
4-Bromofluorobenzene - DL3	*99*		*67 - 139*
1,2-Dichloroethane-d4 (Surr) - DL3	*79*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL3 (Continued)

Lab Sample ID: 600-54494-13 MSD
Matrix: Water
Analysis Batch: 79090

Client Sample ID: MW-66-PRELF-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone - DL3	9900		200000	172000		ug/L		86	60 - 140	0	30
Benzene - DL3	6200		100000	107000		ug/L		100	65 - 125	3	30
Chlorobromomethane - DL3	1800		100000	98700		ug/L		99	60 - 140	1	30
Bromoform - DL3	1900		100000	98000		ug/L		98	60 - 140	3	30
Bromomethane - DL3	2500		100000	135000		ug/L		135	60 - 140	0	30
2-Butanone (MEK) - DL3	7600		200000	157000		ug/L		78	60 - 140	4	30
Carbon disulfide - DL3	2400		100000	110000		ug/L		110	60 - 140	1	30
Carbon tetrachloride - DL3	1500		100000	111000		ug/L		111	60 - 140	5	30
Dibromochloromethane - DL3	1500		100000	97600		ug/L		98	60 - 140	3	30
Chlorobenzene - DL3	1200		100000	100000		ug/L		100	72 - 122	5	30
Chloroethane - DL3	800		100000	128000		ug/L		128	60 - 140	1	30
Chloroform - DL3	1300		100000	103000		ug/L		103	60 - 140	4	30
Chloromethane - DL3	1800		100000	165000	F	ug/L		165	60 - 140	1	30
1,1-Dichloroethane - DL3	1100		100000	108000		ug/L		108	60 - 140	2	30
1,2-Dichloroethane - DL3	160000		100000	274000		ug/L		109	60 - 140	2	30
1,1-Dichloroethene - DL3	1900		100000	115000		ug/L		113	22 - 143	0	30
trans-1,2-Dichloroethene - DL3	900		100000	107000		ug/L		107	60 - 140	1	30
1,2-Dichloropropane - DL3	1600		100000	101000		ug/L		101	60 - 140	3	30
cis-1,3-Dichloropropene - DL3	1800		100000	102000		ug/L		102	60 - 140	2	30
trans-1,3-Dichloropropene - DL3	2100		100000	109000		ug/L		109	60 - 140	0	30
Ethylbenzene - DL3	2900		100000	106000		ug/L		104	60 - 140	3	30
2-Hexanone - DL3	3500		200000	193000		ug/L		97	60 - 140	10	30
Methylene Chloride - DL3	8500		100000	117000		ug/L		109	60 - 140	1	30
4-Methyl-2-pentanone (MIBK) - DL3	4500		200000	205000		ug/L		102	60 - 140	2	30
Styrene - DL3	700		100000	107000		ug/L		107	60 - 140	4	30
1,1,2,2-Tetrachloroethane - DL3	2200		100000	111000		ug/L		111	60 - 140	3	30
Tetrachloroethene - DL3	1300		100000	103000		ug/L		103	60 - 140	4	30
Toluene - DL3	2200		100000	105000		ug/L		103	76 - 125	4	30
1,1,1-Trichloroethane - DL3	1500		100000	110000		ug/L		110	60 - 140	3	30
1,1,2-Trichloroethane - DL3	120000		100000	224000		ug/L		107	60 - 140	5	30
Trichloroethene - DL3	1800		100000	97300		ug/L		97	56 - 118	5	30
Vinyl acetate - DL3	2100		100000	89600		ug/L		90	60 - 140	0	30
Vinyl chloride - DL3	65000		100000	211000	F	ug/L		146	60 - 140	1	30
o-Xylene - DL3	1200		100000	102000		ug/L		102	60 - 140	4	30
m-Xylene & p-Xylene - DL3	1700		200000	206000		ug/L		103	60 - 140	5	30
Xylenes, Total - DL3	2600		300000	308000		ug/L		103	60 - 140	4	30
cis-1,2-Dichloroethene - DL3	600		100000	95800		ug/L		96	60 - 140	2	30
Bromodichloromethane - DL3	1600		100000	98900		ug/L		99	60 - 140	0	30
1,2-Dichloroethene, Total - DL3	3000		200000	203000		ug/L		101	60 - 140	2	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr) - DL3	*87*		*70 - 130*
Dibromofluoromethane - DL3	*86*		*62 - 130*
4-Bromofluorobenzene - DL3	*100*		*67 - 139*
1,2-Dichloroethane-d4 (Surr) - DL3	*77*		*50 - 134*

QC Association Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-54494-1

GC/MS VOA

Analysis Batch: 78727

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-54494-1	MW-71-PRELF-3	Total/NA	Water	8260B	
600-54494-13	MW-66-PRELF-3	Total/NA	Water	8260B	
LCS 600-78727/4	Lab Control Sample	Total/NA	Water	8260B	
MB 600-78727/6	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 78997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-54494-1 - DL2	MW-71-PRELF-3	Total/NA	Water	8260B	
600-54494-1 MS - DL2	MW-71-PRELF-3	Total/NA	Water	8260B	
600-54494-1 MSD - DL2	MW-71-PRELF-3	Total/NA	Water	8260B	
LCS 600-78997/4	Lab Control Sample	Total/NA	Water	8260B	
MB 600-78997/3	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 79018

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-54494-2	MW-71-LF-3	Total/NA	Water	8260B	
600-54494-9	MW-40-PRELF-3	Total/NA	Water	8260B	
600-54494-9 - DL	MW-40-PRELF-3	Total/NA	Water	8260B	
600-54494-10	MW-40-LF-3	Total/NA	Water	8260B	
600-54494-10 - DL	MW-40-LF-3	Total/NA	Water	8260B	
600-54494-11	MW-68-PRELF-3	Total/NA	Water	8260B	
600-54494-11 - DL	MW-68-PRELF-3	Total/NA	Water	8260B	
600-54494-12	MW-68-LF-3	Total/NA	Water	8260B	
600-54494-12 - DL	MW-68-LF-3	Total/NA	Water	8260B	
LCS 600-79018/8	Lab Control Sample	Total/NA	Water	8260B	
MB 600-79018/9	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 79067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-54494-1 - DL	MW-71-PRELF-3	Total/NA	Water	8260B	
600-54494-3	MW-65-PRELF-3	Total/NA	Water	8260B	
600-54494-3 - DL	MW-65-PRELF-3	Total/NA	Water	8260B	
600-54494-4	MW-65-LF-3	Total/NA	Water	8260B	
600-54494-4 - DL	MW-65-LF-3	Total/NA	Water	8260B	
600-54494-5	MW-8-PRELF-3	Total/NA	Water	8260B	
600-54494-5 - DL	MW-8-PRELF-3	Total/NA	Water	8260B	
600-54494-6	MW-8-LF-3	Total/NA	Water	8260B	
600-54494-6 - DL	MW-8-LF-3	Total/NA	Water	8260B	
600-54494-7	MW-11-PRELF-3	Total/NA	Water	8260B	
600-54494-7 - DL	MW-11-PRELF-3	Total/NA	Water	8260B	
600-54494-7 MS - DL	MW-11-PRELF-3	Total/NA	Water	8260B	
600-54494-7 MSD - DL	MW-11-PRELF-3	Total/NA	Water	8260B	
600-54494-8	MW-11-LF-3	Total/NA	Water	8260B	
600-54494-8 - DL	MW-11-LF-3	Total/NA	Water	8260B	
600-54494-13 - DL	MW-66-PRELF-3	Total/NA	Water	8260B	
600-54494-13 - DL2	MW-66-PRELF-3	Total/NA	Water	8260B	
600-54494-15	MW-4-PRELF-3	Total/NA	Water	8260B	
600-54494-15 - DL	MW-4-PRELF-3	Total/NA	Water	8260B	
600-54494-16 - DL	MW-4-LF-3	Total/NA	Water	8260B	
LCS 600-79067/3	Lab Control Sample	Total/NA	Water	8260B	
MB 600-79067/4	Method Blank	Total/NA	Water	8260B	

GC/MS VOA (Continued)

Analysis Batch: 79090

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-54494-13 - DL3	MW-66-PRELF-3	Total/NA	Water	8260B	
600-54494-13 MS - DL3	MW-66-PRELF-3	Total/NA	Water	8260B	
600-54494-13 MSD - DL3	MW-66-PRELF-3	Total/NA	Water	8260B	
LCS 600-79090/3	Lab Control Sample	Total/NA	Water	8260B	
MB 600-79090/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 79181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-54494-2 - DL	MW-71-LF-3	Total/NA	Water	8260B	
600-54494-10 - DL	MW-40-LF-3	Total/NA	Water	8260B	
600-54494-11 - DL	MW-68-PRELF-3	Total/NA	Water	8260B	
600-54494-12 - DL	MW-68-LF-3	Total/NA	Water	8260B	
600-54494-14	MW-66-LF-3	Total/NA	Water	8260B	
600-54494-14 - DL	MW-66-LF-3	Total/NA	Water	8260B	
600-54494-16	MW-4-LF-3	Total/NA	Water	8260B	
600-54494-17	DUP-LF-3	Total/NA	Water	8260B	
600-54494-17 - DL	DUP-LF-3	Total/NA	Water	8260B	
600-54494-18	TRIP BLANK	Total/NA	Water	8260B	
LCS 600-79181/2	Lab Control Sample	Total/NA	Water	8260B	
MB 600-79181/3	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 79199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-54494-2 - DL	MW-71-LF-3	Total/NA	Water	8260B	
LCS 600-79199/3	Lab Control Sample	Total/NA	Water	8260B	
MB 600-79199/4	Method Blank	Total/NA	Water	8260B	

Lab Chronicle

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-54494-1

Client Sample ID: MW-71-PRELF-3 — Lab Sample ID: 600-54494-1

Date Collected: 05/02/12 08:25 — **Matrix: Water**
Date Received: 05/04/12 17:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	78727	05/07/12 20:46	DT	TAL HOU
Total/NA	Analysis	8260B	DL2	2000	78997	05/10/12 13:20	DT	TAL HOU
Total/NA	Analysis	8260B	DL	200	79067	05/11/12 01:05	DT	TAL HOU

Client Sample ID: MW-71-LF-3 — Lab Sample ID: 600-54494-2

Date Collected: 05/02/12 08:53 — **Matrix: Water**
Date Received: 05/04/12 17:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		200	79018	05/10/12 21:44	WS	TAL HOU
Total/NA	Analysis	8260B	DL	500	79181	05/11/12 17:22	WS	TAL HOU
Total/NA	Analysis	8260B	DL	5000	79199	05/14/12 14:44	DT	TAL HOU

Client Sample ID: MW-65-PRELF-3 — Lab Sample ID: 600-54494-3

Date Collected: 05/02/12 09:20 — **Matrix: Water**
Date Received: 05/04/12 17:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		200	79067	05/11/12 03:27	DT	TAL HOU
Total/NA	Analysis	8260B	DL	10000	79067	05/11/12 03:56	DT	TAL HOU

Client Sample ID: MW-65-LF-3 — Lab Sample ID: 600-54494-4

Date Collected: 05/02/12 09:44 — **Matrix: Water**
Date Received: 05/04/12 17:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		200	79067	05/11/12 04:24	DT	TAL HOU
Total/NA	Analysis	8260B	DL	10000	79067	05/11/12 04:52	DT	TAL HOU

Client Sample ID: MW-8-PRELF-3 — Lab Sample ID: 600-54494-5

Date Collected: 05/02/12 10:10 — **Matrix: Water**
Date Received: 05/04/12 17:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	79067	05/11/12 05:20	DT	TAL HOU
Total/NA	Analysis	8260B	DL	200	79067	05/11/12 05:49	DT	TAL HOU

Client Sample ID: MW-8-LF-3 — Lab Sample ID: 600-54494-6

Date Collected: 05/02/12 10:27 — **Matrix: Water**
Date Received: 05/04/12 17:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	79067	05/11/12 06:17	DT	TAL HOU
Total/NA	Analysis	8260B	DL	200	79067	05/11/12 06:46	DT	TAL HOU

Client Sample ID: MW-11-PRELF-3 — Lab Sample ID: 600-54494-7

Date Collected: 05/02/12 10:40 — **Matrix: Water**
Date Received: 05/04/12 17:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		50	79067	05/11/12 01:34	DT	TAL HOU
Total/NA	Analysis	8260B	DL	1000	79067	05/11/12 02:59	DT	TAL HOU

Client Sample ID: MW-11-LF-3 — Lab Sample ID: 600-54494-8

Date Collected: 05/02/12 11:04 — **Matrix: Water**
Date Received: 05/04/12 17:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	79067	05/11/12 07:14	DT	TAL HOU
Total/NA	Analysis	8260B	DL	1000	79067	05/11/12 07:43	DT	TAL HOU

Client Sample ID: MW-40-PRELF-3 — Lab Sample ID: 600-54494-9

Date Collected: 05/02/12 11:15 — **Matrix: Water**
Date Received: 05/04/12 17:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	79018	05/10/12 18:05	WS	TAL HOU
Total/NA	Analysis	8260B	DL	100	79018	05/10/12 18:33	WS	TAL HOU

Client Sample ID: MW-40-LF-3 — Lab Sample ID: 600-54494-10

Date Collected: 05/02/12 11:26 — **Matrix: Water**
Date Received: 05/04/12 17:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	79018	05/10/12 19:00	WS	TAL HOU
Total/NA	Analysis	8260B	DL	100	79018	05/10/12 19:27	WS	TAL HOU
Total/NA	Analysis	8260B	DL	500	79181	05/11/12 15:05	WS	TAL HOU

Client Sample ID: MW-68-PRELF-3 — Lab Sample ID: 600-54494-11

Date Collected: 05/02/12 11:40 — **Matrix: Water**
Date Received: 05/04/12 17:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	79018	05/10/12 19:55	WS	TAL HOU
Total/NA	Analysis	8260B	DL	100	79018	05/10/12 20:22	WS	TAL HOU

Lab Chronicle

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-54494-1

Client Sample ID: MW-68-PRELF-3 — Lab Sample ID: 600-54494-11

Date Collected: 05/02/12 11:40 — **Matrix: Water**
Date Received: 05/04/12 17:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	500	79181	05/11/12 16:27	WS	TAL HOU

Client Sample ID: MW-68-LF-3 — Lab Sample ID: 600-54494-12

Date Collected: 05/02/12 11:55 — **Matrix: Water**
Date Received: 05/04/12 17:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	79018	05/10/12 20:49	WS	TAL HOU
Total/NA	Analysis	8260B	DL	100	79018	05/10/12 21:17	WS	TAL HOU
Total/NA	Analysis	8260B	DL	500	79181	05/11/12 16:54	WS	TAL HOU

Client Sample ID: MW-66-PRELF-3 — Lab Sample ID: 600-54494-13

Date Collected: 05/02/12 12:05 — **Matrix: Water**
Date Received: 05/04/12 17:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	78727	05/07/12 20:18	DT	TAL HOU
Total/NA	Analysis	8260B	DL	200	79067	05/11/12 10:05	DT	TAL HOU
Total/NA	Analysis	8260B	DL2	2000	79067	05/11/12 10:33	DT	TAL HOU
Total/NA	Analysis	8260B	DL3	10000	79090	05/11/12 15:14	DT	TAL HOU

Client Sample ID: MW-66-LF-3 — Lab Sample ID: 600-54494-14

Date Collected: 05/02/12 12:25 — **Matrix: Water**
Date Received: 05/04/12 17:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		200	79181	05/11/12 17:49	WS	TAL HOU
Total/NA	Analysis	8260B	DL	10000	79181	05/11/12 18:17	WS	TAL HOU

Client Sample ID: MW-4-PRELF-3 — Lab Sample ID: 600-54494-15

Date Collected: 05/02/12 12:35 — **Matrix: Water**
Date Received: 05/04/12 17:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		200	79067	05/11/12 08:11	DT	TAL HOU
Total/NA	Analysis	8260B	DL	10000	79067	05/11/12 08:40	DT	TAL HOU

Client Sample ID: MW-4-LF-3 — Lab Sample ID: 600-54494-16

Date Collected: 05/02/12 12:51 — **Matrix: Water**
Date Received: 05/04/12 17:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	10000	79067	05/11/12 09:37	DT	TAL HOU

Lab Chronicle

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-54494-1

Client Sample ID: MW-4-LF-3

Lab Sample ID: 600-54494-16

Date Collected: 05/02/12 12:51
Matrix: Water
Date Received: 05/04/12 17:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		200	79181	05/11/12 14:38	WS	TAL HOU

Client Sample ID: DUP-LF-3

Lab Sample ID: 600-54494-17

Date Collected: 05/02/12 00:00
Matrix: Water
Date Received: 05/04/12 17:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	79181	05/11/12 18:44	WS	TAL HOU
Total/NA	Analysis	8260B	DL	100	79181	05/11/12 19:11	WS	TAL HOU

Client Sample ID: TRIP BLANK

Lab Sample ID: 600-54494-18

Date Collected: 05/02/12 00:00
Matrix: Water
Date Received: 05/04/12 17:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	79181	05/11/12 15:32	WS	TAL HOU

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Certification Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-54494-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Houston	Arkansas DEQ	State Program	6	88-0759
TestAmerica Houston	Louisiana	NELAC	6	30643
TestAmerica Houston	Oklahoma	State Program	6	9503
TestAmerica Houston	Texas	NELAC	6	T104704223-10-6-TX
TestAmerica Houston	USDA	Federal		P330-08-00217
TestAmerica Houston	Utah	NELAC	8	GULF

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-54494-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL HOU

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Sample Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-54494-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
600-54494-1	MW-71-PRELF-3	Water	05/02/12 08:25	05/04/12 17:07
600-54494-2	MW-71-LF-3	Water	05/02/12 08:53	05/04/12 17:07
600-54494-3	MW-65-PRELF-3	Water	05/02/12 09:20	05/04/12 17:07
600-54494-4	MW-65-LF-3	Water	05/02/12 09:44	05/04/12 17:07
600-54494-5	MW-8-PRELF-3	Water	05/02/12 10:10	05/04/12 17:07
600-54494-6	MW-8-LF-3	Water	05/02/12 10:27	05/04/12 17:07
600-54494-7	MW-11-PRELF-3	Water	05/02/12 10:40	05/04/12 17:07
600-54494-8	MW-11-LF-3	Water	05/02/12 11:04	05/04/12 17:07
600-54494-9	MW-40-PRELF-3	Water	05/02/12 11:15	05/04/12 17:07
600-54494-10	MW-40-LF-3	Water	05/02/12 11:26	05/04/12 17:07
600-54494-11	MW-68-PRELF-3	Water	05/02/12 11:40	05/04/12 17:07
600-54494-12	MW-68-LF-3	Water	05/02/12 11:55	05/04/12 17:07
600-54494-13	MW-66-PRELF-3	Water	05/02/12 12:05	05/04/12 17:07
600-54494-14	MW-66-LF-3	Water	05/02/12 12:25	05/04/12 17:07
600-54494-15	MW-4-PRELF-3	Water	05/02/12 12:35	05/04/12 17:07
600-54494-16	MW-4-LF-3	Water	05/02/12 12:51	05/04/12 17:07
600-54494-17	DUP-LF-3	Water	05/02/12 00:00	05/04/12 17:07
600-54494-18	TRIP BLANK	Water	05/02/12 00:00	05/04/12 17:07

TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Phone (713) 690-4444 Fax (713) 690-5646

Chain of Custody Record

TestAmerica

Sampler: KATE HAMEL	Lab PM: Kudchadkar, Sachin G	Carrier Tracking No(s):	COC No: 600-11558-5028.1
Phone: 713.522.6300	E-Mail: sachin.kudchadkar@testamericainc.com		Page: Page 1 of 2
			Job #: 6-3380

Client Information

Client Contact: Ms. Kate Hamel
Company: Groundwater Services, Inc.
Address: 2211 Norfolk, Suite 1000
City: Houston
State, Zip: TX, 77098-4044
Phone: 713-522-6300(Tel)
Email: kchamel@gsi-net.com, tem@gsi-net.com
Project Name: G-3460
Site: N-80

Due Date Requested:
TAT Requested (days): STANDARD
PO #: Purchase Order not requir
WO #:
Project #: 60002425
SSOW#:

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B_LL - Target Compund List	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
MW-71-PRELF-3	5/2/12	825	G	Water			✓		
MW-71-LF-3		853		Water			✓		
MW-65-PRELF-3		920		Water			✓		
MW-65-LF-3		944		Water			✓		
MW-8-PRELF-3		1010		Water			✓		
MW-8-LF-3		1027		Water			✓		
MW-11-PRELF-3		1040		Water			✓		
MW-11-LF-3		1104		Water			✓		
MW-40-PRELF-3		1115		Water			✓		
MW-40-LF-3		1126		Water			✓		
MW-68-PRELF-3		1140					✓		

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☑ Disposal By Lab ☐ Archive For ____ Months

Special Instructions/QC Requirements: STANDARD Q4/10C

Deliverable Requested: I, II, III, IV, Other (specify) STANDARD

Empty Kit Relinquished by: Date: Time: Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
KATE HAMEL	5/2/12 1400	GSI	[signature]	5/2/12 1400	GSI
[signature]	5/3/12 0600	GSI	[signature]	5/2/12 1605	TA
[signature]	5/3/12 1707	TA	[signature]	5-3-12 1102	TA

Custody Seals Intact: Custody Seal No.: Cooler Temperature(s) °C and Other Remarks:

TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Phone (713) 690-4444 Fax (713) 690-5646

Chain of Custody Record

TestAmerica

Sampler: KATE HAMEL	Lab PM: Kudchadkar, Sachin G	Carrier Tracking No(s):	COC No: 600-11558-5028.1
Phone: 713-522-6300	E-Mail: sachin.kudchadkar@testamericainc.com		Page: Page 2 of 2
			Job #: 6-3380

Client Information

Client Contact: Ms. Kate Hamel
Company: Groundwater Services, Inc.
Address: 2211 Norfolk, Suite 1000
City: Houston
State, Zip: TX, 77098-4044
Phone: 713-522-6300(Tel)
Email: kchamel@gsi-net.com, tem@gsi-net.com
Project Name: G-3460
Site: N-80

Due Date Requested:
TAT Requested (days): STANDARD
PO #: Purchase Order not requir
WO #:
Project #: 60002425
SSOW#:

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B_LL - Target Compund List	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
MW-68-LF-3	5/2/12	1155	G	Water			✓		
MW-66-PRELF-3		1205		Water			✓		
MW-66-LF-3		1225		Water			✓		
MW-4-PRELF-3		1235		Water			✓		
MW-4-LF-3		1257		Water			✓		
DUP-LF-3		—		Water			✓		
TRIP BLANK		—		Water			✓		
				Water					
				Water					
				Water					

Preservation Codes:

A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2SO3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - ph 4-5
Z - other (specify)

Other:

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) STANDARD

Special Instructions/QC Requirements: STANDARD QA/QC

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
KATE HAMEL	5/2/12 / 1400	GSI	B.T. Mahn	5/2/12 / 1400	CSI
B.T. Mahn	5/3/12 / 0600	CSI		5/3/12 1605	TA
	5/3/12 1707	TA		5/3/12 1707	

Custody Seals Intact: | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Login Sample Receipt Checklist

Client: Groundwater Services, Inc.

Job Number: 600-54494-1

Login Number: 54494
List Number: 1
Creator: Trenery, Michael J

List Source: TestAmerica Houston

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Tel: (713)690-4444

TestAmerica Job ID: 600-53644-1
Client Project/Site: G-3460 N-80

For:
Groundwater Services, Inc.
2211 Norfolk, Suite 1000
Houston, Texas 77098-4044

Attn: Ms. Kate Hamel

Authorized for release by:
4/29/2012 10:03:07 AM

Sachin Kudchadkar
Project Manager II
sachin.kudchadkar@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-53644-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the control limits
*	LCS or LCSD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 600-53644-1

Laboratory: TestAmerica Houston

Narrative

Job Narrative
600-53644-1

Comments
No additional comments.

Receipt
The samples were received on 4/17/2012 12:14 PM; the samples arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 9.20 C.

Except:

The following sample(s) was received at the laboratory outside the required temperature criteria: DUP-NPM-2 (600-53644-9), MW-11-NPM-2 (600-53644-4), MW-40-NPM-2 (600-53644-5), MW-4-NPM-2 (600-53644-8), MW-65-NPM-2 (600-53644-2), MW-66-NPM-2 (600-53644-7), MW-68-NPM-2 (600-53644-6), MW-71-NPM-2 (600-53644-1), MW-8-NPM-2 (600-53644-3), Trip Blank (600-53644-10). The sample(s) is considered acceptable since it was collected and submitted to the laboratory on the same day and there is evidence that the chilling process has begun.

GC/MS VOA
Method(s) 8260B: The following sample(s) was diluted due to the abundance of target analytes: MW-65-NPM-2 (600-53644-2), MW-71-NPM-2 (600-53644-1). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries associated with batch 77856 were outside control limits: (600-53644-1 MS), (600-53644-1 MSD). Matrix interference is suspected.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) precision for sample (600-53644-1 MS), (600-53644-1 MSD) was outside control limits. Matrix interference of the sample matrix is suspected.

Method(s) 8260B: The following sample(s) was diluted due to the abundance of target analytes: DUP-NPM-2 (600-53644-9). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The following sample(s) was diluted due to the abundance of target analytes: MW-11-NPM-2 (600-53644-4). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for 5 analytes to recover outside criteria for this method when a full list spike is utilized. The LCS associated with batch 77922 had 1 analyte outside control limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8260B: The following sample(s) was diluted due to the abundance of target analytes: MW-40-NPM-2 (600-53644-5), MW-4-NPM-2 (600-53644-8), MW-66-NPM-2 (600-53644-7), MW-68-NPM-2 (600-53644-6). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries associated with batch 77969 were outside control limits: (600-53644-8 MS), (600-53644-8 MSD). Matrix interference is suspected.

Method(s) 8260B: The laboratory control sample (LCS) for batch 77969 exceeded control limits for the following analyte: Vinyl acetate. This analyte was not target analyte in the associated samples; therefore, the data have been reported.

Method(s) 8260B: The method blank for batch 77969 contained Acetone above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

No other analytical or quality issues were noted.

Detection Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-53644-1

Client Sample ID: MW-71-NPM-2 — Lab Sample ID: 600-53644-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4800		500	99	ug/L	100		8260B	Total/NA
Benzene	3100		100	8.0	ug/L	100		8260B	Total/NA
Chlorobenzene	100		100	12	ug/L	100		8260B	Total/NA
1,1-Dichloroethane	1200		100	11	ug/L	100		8260B	Total/NA
1,1-Dichloroethene	470		100	19	ug/L	100		8260B	Total/NA
trans-1,2-Dichloroethene	790		100	9.0	ug/L	100		8260B	Total/NA
Ethylbenzene	490		100	11	ug/L	100		8260B	Total/NA
Methylene Chloride	51	J	500	15	ug/L	100		8260B	Total/NA
Tetrachloroethene	21	J	100	13	ug/L	100		8260B	Total/NA
Toluene	89	J	100	15	ug/L	100		8260B	Total/NA
Trichloroethene	130		100	18	ug/L	100		8260B	Total/NA
cis-1,2-Dichloroethene	810		100	6.0	ug/L	100		8260B	Total/NA
1,2-Dichloroethene, Total	1600		100	30	ug/L	100		8260B	Total/NA
1,2-Dichloroethane - DL	45000		2000	280	ug/L	2000		8260B	Total/NA
1,1,2-Trichloroethane - DL	7200		2000	560	ug/L	2000		8260B	Total/NA
Vinyl chloride - DL	66000		4000	220	ug/L	2000		8260B	Total/NA

Client Sample ID: MW-65-NPM-2 — Lab Sample ID: 600-53644-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1700		100	8.0	ug/L	100		8260B	Total/NA
Chlorobenzene	530		100	12	ug/L	100		8260B	Total/NA
1,1-Dichloroethane	1800		100	11	ug/L	100		8260B	Total/NA
1,2-Dichloroethane	79	J	100	14	ug/L	100		8260B	Total/NA
1,1-Dichloroethene	290		100	19	ug/L	100		8260B	Total/NA
trans-1,2-Dichloroethene	1800		100	9.0	ug/L	100		8260B	Total/NA
Ethylbenzene	440		100	11	ug/L	100		8260B	Total/NA
Tetrachloroethene	42	J	100	13	ug/L	100		8260B	Total/NA
Toluene	120		100	15	ug/L	100		8260B	Total/NA
Trichloroethene	110		100	18	ug/L	100		8260B	Total/NA
o-Xylene	14	J	100	12	ug/L	100		8260B	Total/NA
m-Xylene & p-Xylene	26	J	100	17	ug/L	100		8260B	Total/NA
Xylenes, Total	40	J	100	26	ug/L	100		8260B	Total/NA
cis-1,2-Dichloroethene	190		100	6.0	ug/L	100		8260B	Total/NA
1,2-Dichloroethene, Total	2000		100	30	ug/L	100		8260B	Total/NA
Vinyl chloride - DL	150000		20000	1100	ug/L	10000		8260B	Total/NA

Client Sample ID: MW-8-NPM-2 — Lab Sample ID: 600-53644-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	10	J	20	2.4	ug/L	10		8260B	Total/NA
Chlorobenzene	170		10	1.2	ug/L	10		8260B	Total/NA
1,1-Dichloroethane	400		10	1.1	ug/L	10		8260B	Total/NA
1,2-Dichloroethane	110		10	1.4	ug/L	10		8260B	Total/NA
1,1-Dichloroethene	29		10	1.9	ug/L	10		8260B	Total/NA
trans-1,2-Dichloroethene	230		10	0.90	ug/L	10		8260B	Total/NA
Ethylbenzene	430		10	1.1	ug/L	10		8260B	Total/NA
Styrene	2.4	J	10	0.70	ug/L	10		8260B	Total/NA
Toluene	67		10	1.5	ug/L	10		8260B	Total/NA
Trichloroethene	15		10	1.8	ug/L	10		8260B	Total/NA
o-Xylene	8.4	J	10	1.2	ug/L	10		8260B	Total/NA
m-Xylene & p-Xylene	10		10	1.7	ug/L	10		8260B	Total/NA
Xylenes, Total	18		10	2.6	ug/L	10		8260B	Total/NA
cis-1,2-Dichloroethene	29		10	0.60	ug/L	10		8260B	Total/NA

Client Sample ID: MW-8-NPM-2 (Continued) — Lab Sample ID: 600-53644-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethene, Total	260		10	3.0	ug/L	10		8260B	Total/NA
Benzene - DL	740		100	8.0	ug/L	100		8260B	Total/NA
Vinyl chloride - DL	2700		200	11	ug/L	100		8260B	Total/NA

Client Sample ID: MW-11-NPM-2 — Lab Sample ID: 600-53644-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	140		100	8.0	ug/L	100		8260B	Total/NA
Chlorobenzene	350		100	12	ug/L	100		8260B	Total/NA
1,1-Dichloroethane	1300		100	11	ug/L	100		8260B	Total/NA
1,2-Dichloroethane	1600		100	14	ug/L	100		8260B	Total/NA
1,1-Dichloroethene	460		100	19	ug/L	100		8260B	Total/NA
trans-1,2-Dichloroethene	2000		100	9.0	ug/L	100		8260B	Total/NA
Ethylbenzene	35	J	100	11	ug/L	100		8260B	Total/NA
Toluene	16	J	100	15	ug/L	100		8260B	Total/NA
Trichloroethene	630		100	18	ug/L	100		8260B	Total/NA
cis-1,2-Dichloroethene	3400		100	6.0	ug/L	100		8260B	Total/NA
1,2-Dichloroethene, Total	5400		100	30	ug/L	100		8260B	Total/NA
Vinyl chloride - DL	22000		4000	220	ug/L	2000		8260B	Total/NA

Client Sample ID: MW-40-NPM-2 — Lab Sample ID: 600-53644-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	120		20	1.6	ug/L	20		8260B	Total/NA
Chlorobenzene	450		20	2.4	ug/L	20		8260B	Total/NA
1,1-Dichloroethane	570		20	2.2	ug/L	20		8260B	Total/NA
trans-1,2-Dichloroethene	11	J	20	1.8	ug/L	20		8260B	Total/NA
Ethylbenzene	160		20	2.2	ug/L	20		8260B	Total/NA
Toluene	32		20	3.0	ug/L	20		8260B	Total/NA
1,2-Dichloroethene, Total	11	J	20	6.0	ug/L	20		8260B	Total/NA
Vinyl chloride - DL	5000		200	11	ug/L	100		8260B	Total/NA

Client Sample ID: MW-68-NPM-2 — Lab Sample ID: 600-53644-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	140		100	8.0	ug/L	100		8260B	Total/NA
Chlorobenzene	46	J	100	12	ug/L	100		8260B	Total/NA
1,1-Dichloroethane	170		100	11	ug/L	100		8260B	Total/NA
1,2-Dichloroethane	150		100	14	ug/L	100		8260B	Total/NA
trans-1,2-Dichloroethene	540		100	9.0	ug/L	100		8260B	Total/NA
Ethylbenzene	340		100	11	ug/L	100		8260B	Total/NA
Toluene	51	J	100	15	ug/L	100		8260B	Total/NA
m-Xylene & p-Xylene	280		100	17	ug/L	100		8260B	Total/NA
Xylenes, Total	280		100	26	ug/L	100		8260B	Total/NA
1,2-Dichloroethene, Total	540		100	30	ug/L	100		8260B	Total/NA
Vinyl chloride - DL	8000		2000	110	ug/L	1000		8260B	Total/NA

Client Sample ID: MW-66-NPM-2 — Lab Sample ID: 600-53644-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1600		500	99	ug/L	100		8260B	Total/NA
Chlorobenzene	1200		100	12	ug/L	100		8260B	Total/NA
1,1-Dichloroethane	2800		100	11	ug/L	100		8260B	Total/NA
1,1-Dichloroethene	1700		100	19	ug/L	100		8260B	Total/NA

Detection Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-53644-1

Client Sample ID: MW-66-NPM-2 (Continued) — Lab Sample ID: 600-53644-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
trans-1,2-Dichloroethene	2300		100	9.0	ug/L	100		8260B	Total/NA
Ethylbenzene	2900		100	11	ug/L	100		8260B	Total/NA
Methylene Chloride	120	J	500	15	ug/L	100		8260B	Total/NA
Styrene	900		100	7.0	ug/L	100		8260B	Total/NA
Toluene	1900		100	15	ug/L	100		8260B	Total/NA
Trichloroethene	770		100	18	ug/L	100		8260B	Total/NA
o-Xylene	12	J	100	12	ug/L	100		8260B	Total/NA
cis-1,2-Dichloroethene	1200		100	6.0	ug/L	100		8260B	Total/NA
1,2-Dichloroethene, Total	3500		100	30	ug/L	100		8260B	Total/NA
Benzene - DL	4900		500	40	ug/L	500		8260B	Total/NA
1,2-Dichloroethane - DL2	170000		10000	1400	ug/L	10000		8260B	Total/NA
1,1,2-Trichloroethane - DL2	88000		10000	2800	ug/L	10000		8260B	Total/NA
Vinyl chloride - DL2	66000		20000	1100	ug/L	10000		8260B	Total/NA

Client Sample ID: MW-4-NPM-2 — Lab Sample ID: 600-53644-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1100		500	99	ug/L	100		8260B	Total/NA
Benzene	2800		100	8.0	ug/L	100		8260B	Total/NA
Chlorobenzene	540		100	12	ug/L	100		8260B	Total/NA
1,1-Dichloroethane	4100		100	11	ug/L	100		8260B	Total/NA
Ethylbenzene	430		100	11	ug/L	100		8260B	Total/NA
Tetrachloroethene	190		100	13	ug/L	100		8260B	Total/NA
Toluene	140		100	15	ug/L	100		8260B	Total/NA
1,1,1-Trichloroethane	97	J	100	15	ug/L	100		8260B	Total/NA
1,1,2-Trichloroethane	68	J	100	28	ug/L	100		8260B	Total/NA
Trichloroethene	920		100	18	ug/L	100		8260B	Total/NA
o-Xylene	15	J	100	12	ug/L	100		8260B	Total/NA
m-Xylene & p-Xylene	25	J	100	17	ug/L	100		8260B	Total/NA
Xylenes, Total	40	J	100	26	ug/L	100		8260B	Total/NA
1,1-Dichloroethene - DL	3800		500	95	ug/L	500		8260B	Total/NA
trans-1,2-Dichloroethene - DL	5400		500	45	ug/L	500		8260B	Total/NA
cis-1,2-Dichloroethene - DL	3300		500	30	ug/L	500		8260B	Total/NA
1,2-Dichloroethene, Total - DL	8700		500	150	ug/L	500		8260B	Total/NA
1,2-Dichloroethane - DL2	46000		20000	2800	ug/L	20000		8260B	Total/NA
Vinyl chloride - DL2	180000		40000	2200	ug/L	20000		8260B	Total/NA

Client Sample ID: DUP-NPM-2 — Lab Sample ID: 600-53644-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	120		100	8.0	ug/L	100		8260B	Total/NA
Chlorobenzene	320		100	12	ug/L	100		8260B	Total/NA
1,1-Dichloroethane	1200		100	11	ug/L	100		8260B	Total/NA
1,2-Dichloroethane	1400		100	14	ug/L	100		8260B	Total/NA
1,1-Dichloroethene	400		100	19	ug/L	100		8260B	Total/NA
trans-1,2-Dichloroethene	1700		100	9.0	ug/L	100		8260B	Total/NA
Ethylbenzene	32	J	100	11	ug/L	100		8260B	Total/NA
Trichloroethene	550		100	18	ug/L	100		8260B	Total/NA
m-Xylene & p-Xylene	26	J	100	17	ug/L	100		8260B	Total/NA
Xylenes, Total	26	J	100	26	ug/L	100		8260B	Total/NA
cis-1,2-Dichloroethene	2900		100	6.0	ug/L	100		8260B	Total/NA
1,2-Dichloroethene, Total	4600		100	30	ug/L	100		8260B	Total/NA
Vinyl chloride - DL	27000		4000	220	ug/L	2000		8260B	Total/NA

Detection Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-53644-1

Client Sample ID: Trip Blank **Lab Sample ID: 600-53644-10**

No Detections

Client Sample Results

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-53644-1

Client Sample ID: MW-71-NPM-2

Lab Sample ID: 600-53644-1

Date Collected: 04/17/12 08:45

Matrix: Water

Date Received: 04/17/12 12:14

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**4800**		500	99	ug/L			04/21/12 02:04	100
Benzene	**3100**		100	8.0	ug/L			04/21/12 02:04	100
Chlorobromomethane	18	U	100	18	ug/L			04/21/12 02:04	100
Bromoform	19	U	100	19	ug/L			04/21/12 02:04	100
Bromomethane	25	U	200	25	ug/L			04/21/12 02:04	100
2-Butanone (MEK)	76	U	200	76	ug/L			04/21/12 02:04	100
Carbon disulfide	24	U	200	24	ug/L			04/21/12 02:04	100
Carbon tetrachloride	15	U	100	15	ug/L			04/21/12 02:04	100
Dibromochloromethane	15	U	100	15	ug/L			04/21/12 02:04	100
Chlorobenzene	**100**		100	12	ug/L			04/21/12 02:04	100
Chloroethane	8.0	U	200	8.0	ug/L			04/21/12 02:04	100
Chloroform	13	U	100	13	ug/L			04/21/12 02:04	100
Chloromethane	18	U	200	18	ug/L			04/21/12 02:04	100
1,1-Dichloroethane	**1200**		100	11	ug/L			04/21/12 02:04	100
1,1-Dichloroethene	**470**		100	19	ug/L			04/21/12 02:04	100
trans-1,2-Dichloroethene	**790**		100	9.0	ug/L			04/21/12 02:04	100
1,2-Dichloropropane	16	U	100	16	ug/L			04/21/12 02:04	100
cis-1,3-Dichloropropene	18	U	100	18	ug/L			04/21/12 02:04	100
trans-1,3-Dichloropropene	21	U	100	21	ug/L			04/21/12 02:04	100
Ethylbenzene	**490**		100	11	ug/L			04/21/12 02:04	100
2-Hexanone	35	U	200	35	ug/L			04/21/12 02:04	100
Methylene Chloride	**51**	**J**	500	15	ug/L			04/21/12 02:04	100
4-Methyl-2-pentanone (MIBK)	45	U	200	45	ug/L			04/21/12 02:04	100
Styrene	7.0	U	100	7.0	ug/L			04/21/12 02:04	100
1,1,2,2-Tetrachloroethane	22	U	100	22	ug/L			04/21/12 02:04	100
Tetrachloroethene	**21**	**J**	100	13	ug/L			04/21/12 02:04	100
Toluene	**89**	**J**	100	15	ug/L			04/21/12 02:04	100
1,1,1-Trichloroethane	15	U	100	15	ug/L			04/21/12 02:04	100
Trichloroethene	**130**		100	18	ug/L			04/21/12 02:04	100
Vinyl acetate	21	U	200	21	ug/L			04/21/12 02:04	100
o-Xylene	12	U	100	12	ug/L			04/21/12 02:04	100
m-Xylene & p-Xylene	17	U	100	17	ug/L			04/21/12 02:04	100
Xylenes, Total	26	U	100	26	ug/L			04/21/12 02:04	100
cis-1,2-Dichloroethene	**810**		100	6.0	ug/L			04/21/12 02:04	100
Bromodichloromethane	16	U	100	16	ug/L			04/21/12 02:04	100
1,2-Dichloroethene, Total	**1600**		100	30	ug/L			04/21/12 02:04	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*115*		*70 - 130*		*04/21/12 02:04*	*100*
Dibromofluoromethane	*96*		*62 - 130*		*04/21/12 02:04*	*100*
4-Bromofluorobenzene	*110*		*67 - 139*		*04/21/12 02:04*	*100*
1,2-Dichloroethane-d4 (Surr)	*87*		*50 - 134*		*04/21/12 02:04*	*100*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	**45000**		2000	280	ug/L			04/24/12 10:39	2000
1,1,2-Trichloroethane	**7200**		2000	560	ug/L			04/24/12 10:39	2000
Vinyl chloride	**66000**		4000	220	ug/L			04/24/12 10:39	2000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*70 - 130*		*04/24/12 10:39*	*2000*

Client Sample ID: MW-71-NPM-2

Lab Sample ID: 600-53644-1

Date Collected: 04/17/12 08:45

Matrix: Water

Date Received: 04/17/12 12:14

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*79*		*62 - 130*		*04/24/12 10:39*	*2000*
4-Bromofluorobenzene	*100*		*67 - 139*		*04/24/12 10:39*	*2000*
1,2-Dichloroethane-d4 (Surr)	*72*		*50 - 134*		*04/24/12 10:39*	*2000*

Client Sample ID: MW-65-NPM-2

Lab Sample ID: 600-53644-2

Date Collected: 04/17/12 09:00

Matrix: Water

Date Received: 04/17/12 12:14

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	99	U	500	99	ug/L			04/21/12 02:26	100
Benzene	**1700**		100	8.0	ug/L			04/21/12 02:26	100
Chlorobromomethane	18	U	100	18	ug/L			04/21/12 02:26	100
Bromoform	19	U	100	19	ug/L			04/21/12 02:26	100
Bromomethane	25	U	200	25	ug/L			04/21/12 02:26	100
2-Butanone (MEK)	76	U	200	76	ug/L			04/21/12 02:26	100
Carbon disulfide	24	U	200	24	ug/L			04/21/12 02:26	100
Carbon tetrachloride	15	U	100	15	ug/L			04/21/12 02:26	100
Dibromochloromethane	15	U	100	15	ug/L			04/21/12 02:26	100
Chlorobenzene	**530**		100	12	ug/L			04/21/12 02:26	100
Chloroethane	8.0	U	200	8.0	ug/L			04/21/12 02:26	100
Chloroform	13	U	100	13	ug/L			04/21/12 02:26	100
Chloromethane	18	U	200	18	ug/L			04/21/12 02:26	100
1,1-Dichloroethane	**1800**		100	11	ug/L			04/21/12 02:26	100
1,2-Dichloroethane	**79**	**J**	100	14	ug/L			04/21/12 02:26	100
1,1-Dichloroethene	**290**		100	19	ug/L			04/21/12 02:26	100
trans-1,2-Dichloroethene	**1800**		100	9.0	ug/L			04/21/12 02:26	100
1,2-Dichloropropane	16	U	100	16	ug/L			04/21/12 02:26	100
cis-1,3-Dichloropropene	18	U	100	18	ug/L			04/21/12 02:26	100
trans-1,3-Dichloropropene	21	U	100	21	ug/L			04/21/12 02:26	100
Ethylbenzene	**440**		100	11	ug/L			04/21/12 02:26	100
2-Hexanone	35	U	200	35	ug/L			04/21/12 02:26	100
Methylene Chloride	15	U	500	15	ug/L			04/21/12 02:26	100
4-Methyl-2-pentanone (MIBK)	45	U	200	45	ug/L			04/21/12 02:26	100
Styrene	7.0	U	100	7.0	ug/L			04/21/12 02:26	100
1,1,2,2-Tetrachloroethane	22	U	100	22	ug/L			04/21/12 02:26	100
Tetrachloroethene	**42**	**J**	100	13	ug/L			04/21/12 02:26	100
Toluene	**120**		100	15	ug/L			04/21/12 02:26	100
1,1,1-Trichloroethane	15	U	100	15	ug/L			04/21/12 02:26	100
1,1,2-Trichloroethane	28	U	100	28	ug/L			04/21/12 02:26	100
Trichloroethene	**110**		100	18	ug/L			04/21/12 02:26	100
Vinyl acetate	21	U	200	21	ug/L			04/21/12 02:26	100
o-Xylene	**14**	**J**	100	12	ug/L			04/21/12 02:26	100
m-Xylene & p-Xylene	**26**	**J**	100	17	ug/L			04/21/12 02:26	100
Xylenes, Total	**40**	**J**	100	26	ug/L			04/21/12 02:26	100
cis-1,2-Dichloroethene	**190**		100	6.0	ug/L			04/21/12 02:26	100
Bromodichloromethane	16	U	100	16	ug/L			04/21/12 02:26	100
1,2-Dichloroethene, Total	**2000**		100	30	ug/L			04/21/12 02:26	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*70 - 130*		*04/21/12 02:26*	*100*

Client Sample ID: MW-65-NPM-2

Lab Sample ID: 600-53644-2

Date Collected: 04/17/12 09:00

Matrix: Water

Date Received: 04/17/12 12:14

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*85*		*62 - 130*		*04/21/12 02:26*	*100*
4-Bromofluorobenzene	*96*		*67 - 139*		*04/21/12 02:26*	*100*
1,2-Dichloroethane-d4 (Surr)	*79*		*50 - 134*		*04/21/12 02:26*	*100*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**150000**		20000	1100	ug/L			04/24/12 11:02	10000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*70 - 130*		*04/24/12 11:02*	*10000*
Dibromofluoromethane	*85*		*62 - 130*		*04/24/12 11:02*	*10000*
4-Bromofluorobenzene	*103*		*67 - 139*		*04/24/12 11:02*	*10000*
1,2-Dichloroethane-d4 (Surr)	*79*		*50 - 134*		*04/24/12 11:02*	*10000*

Client Sample ID: MW-8-NPM-2

Lab Sample ID: 600-53644-3

Date Collected: 04/17/12 09:25

Matrix: Water

Date Received: 04/17/12 12:14

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	50	9.9	ug/L			04/24/12 14:12	10
Chlorobromomethane	1.8	U	10	1.8	ug/L			04/24/12 14:12	10
Bromoform	1.9	U	10	1.9	ug/L			04/24/12 14:12	10
Bromomethane	2.5	U	20	2.5	ug/L			04/24/12 14:12	10
2-Butanone (MEK)	7.6	U	20	7.6	ug/L			04/24/12 14:12	10
Carbon disulfide	**10**	**J**	20	2.4	ug/L			04/24/12 14:12	10
Carbon tetrachloride	1.5	U	10	1.5	ug/L			04/24/12 14:12	10
Dibromochloromethane	1.5	U	10	1.5	ug/L			04/24/12 14:12	10
Chlorobenzene	**170**		10	1.2	ug/L			04/24/12 14:12	10
Chloroethane	0.80	U	20	0.80	ug/L			04/24/12 14:12	10
Chloroform	1.3	U	10	1.3	ug/L			04/24/12 14:12	10
Chloromethane	1.8	U	20	1.8	ug/L			04/24/12 14:12	10
1,1-Dichloroethane	**400**		10	1.1	ug/L			04/24/12 14:12	10
1,2-Dichloroethane	**110**		10	1.4	ug/L			04/24/12 14:12	10
1,1-Dichloroethene	**29**		10	1.9	ug/L			04/24/12 14:12	10
trans-1,2-Dichloroethene	**230**		10	0.90	ug/L			04/24/12 14:12	10
1,2-Dichloropropane	1.6	U	10	1.6	ug/L			04/24/12 14:12	10
cis-1,3-Dichloropropene	1.8	U	10	1.8	ug/L			04/24/12 14:12	10
trans-1,3-Dichloropropene	2.1	U	10	2.1	ug/L			04/24/12 14:12	10
Ethylbenzene	**430**		10	1.1	ug/L			04/24/12 14:12	10
2-Hexanone	3.5	U	20	3.5	ug/L			04/24/12 14:12	10
Methylene Chloride	1.5	U	50	1.5	ug/L			04/24/12 14:12	10
4-Methyl-2-pentanone (MIBK)	4.5	U	20	4.5	ug/L			04/24/12 14:12	10
Styrene	**2.4**	**J**	10	0.70	ug/L			04/24/12 14:12	10
1,1,2,2-Tetrachloroethane	2.2	U	10	2.2	ug/L			04/24/12 14:12	10
Tetrachloroethene	1.3	U	10	1.3	ug/L			04/24/12 14:12	10
Toluene	**67**		10	1.5	ug/L			04/24/12 14:12	10
1,1,1-Trichloroethane	1.5	U	10	1.5	ug/L			04/24/12 14:12	10
1,1,2-Trichloroethane	2.8	U	10	2.8	ug/L			04/24/12 14:12	10
Trichloroethene	**15**		10	1.8	ug/L			04/24/12 14:12	10
Vinyl acetate	2.1	U	20	2.1	ug/L			04/24/12 14:12	10

Client Sample ID: MW-8-NPM-2

Lab Sample ID: 600-53644-3

Date Collected: 04/17/12 09:25

Matrix: Water

Date Received: 04/17/12 12:14

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	**8.4**	**J**	10	1.2	ug/L			04/24/12 14:12	10
m-Xylene & p-Xylene	**10**		10	1.7	ug/L			04/24/12 14:12	10
Xylenes, Total	**18**		10	2.6	ug/L			04/24/12 14:12	10
cis-1,2-Dichloroethene	**29**		10	0.60	ug/L			04/24/12 14:12	10
Bromodichloromethane	1.6	U	10	1.6	ug/L			04/24/12 14:12	10
1,2-Dichloroethene, Total	**260**		10	3.0	ug/L			04/24/12 14:12	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*70 - 130*		*04/24/12 14:12*	*10*
Dibromofluoromethane	*84*		*62 - 130*		*04/24/12 14:12*	*10*
4-Bromofluorobenzene	*105*		*67 - 139*		*04/24/12 14:12*	*10*
1,2-Dichloroethane-d4 (Surr)	*78*		*50 - 134*		*04/24/12 14:12*	*10*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**740**		100	8.0	ug/L			04/24/12 12:19	100
Vinyl chloride	**2700**		200	11	ug/L			04/24/12 12:19	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*70 - 130*		*04/24/12 12:19*	*100*
Dibromofluoromethane	*83*		*62 - 130*		*04/24/12 12:19*	*100*
4-Bromofluorobenzene	*105*		*67 - 139*		*04/24/12 12:19*	*100*
1,2-Dichloroethane-d4 (Surr)	*74*		*50 - 134*		*04/24/12 12:19*	*100*

Client Sample ID: MW-11-NPM-2

Lab Sample ID: 600-53644-4

Date Collected: 04/17/12 09:40

Matrix: Water

Date Received: 04/17/12 12:14

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	99	U	500	99	ug/L			04/24/12 13:27	100
Benzene	**140**		100	8.0	ug/L			04/24/12 13:27	100
Chlorobromomethane	18	U	100	18	ug/L			04/24/12 13:27	100
Bromoform	19	U	100	19	ug/L			04/24/12 13:27	100
Bromomethane	25	U	200	25	ug/L			04/24/12 13:27	100
2-Butanone (MEK)	76	U	200	76	ug/L			04/24/12 13:27	100
Carbon disulfide	24	U	200	24	ug/L			04/24/12 13:27	100
Carbon tetrachloride	15	U	100	15	ug/L			04/24/12 13:27	100
Dibromochloromethane	15	U	100	15	ug/L			04/24/12 13:27	100
Chlorobenzene	**350**		100	12	ug/L			04/24/12 13:27	100
Chloroethane	8.0	U	200	8.0	ug/L			04/24/12 13:27	100
Chloroform	13	U	100	13	ug/L			04/24/12 13:27	100
Chloromethane	18	U	200	18	ug/L			04/24/12 13:27	100
1,1-Dichloroethane	**1300**		100	11	ug/L			04/24/12 13:27	100
1,2-Dichloroethane	**1600**		100	14	ug/L			04/24/12 13:27	100
1,1-Dichloroethene	**460**		100	19	ug/L			04/24/12 13:27	100
trans-1,2-Dichloroethene	**2000**		100	9.0	ug/L			04/24/12 13:27	100
1,2-Dichloropropane	16	U	100	16	ug/L			04/24/12 13:27	100
cis-1,3-Dichloropropene	18	U	100	18	ug/L			04/24/12 13:27	100
trans-1,3-Dichloropropene	21	U	100	21	ug/L			04/24/12 13:27	100
Ethylbenzene	**35**	**J**	100	11	ug/L			04/24/12 13:27	100
2-Hexanone	35	U	200	35	ug/L			04/24/12 13:27	100

Client Sample ID: MW-11-NPM-2

Lab Sample ID: 600-53644-4

Date Collected: 04/17/12 09:40

Matrix: Water

Date Received: 04/17/12 12:14

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	15	U	500	15	ug/L			04/24/12 13:27	100
4-Methyl-2-pentanone (MIBK)	45	U	200	45	ug/L			04/24/12 13:27	100
Styrene	7.0	U	100	7.0	ug/L			04/24/12 13:27	100
1,1,2,2-Tetrachloroethane	22	U	100	22	ug/L			04/24/12 13:27	100
Tetrachloroethene	13	U	100	13	ug/L			04/24/12 13:27	100
Toluene	**16**	**J**	100	15	ug/L			04/24/12 13:27	100
1,1,1-Trichloroethane	15	U	100	15	ug/L			04/24/12 13:27	100
1,1,2-Trichloroethane	28	U	100	28	ug/L			04/24/12 13:27	100
Trichloroethene	**630**		100	18	ug/L			04/24/12 13:27	100
Vinyl acetate	21	U	200	21	ug/L			04/24/12 13:27	100
o-Xylene	12	U	100	12	ug/L			04/24/12 13:27	100
m-Xylene & p-Xylene	17	U	100	17	ug/L			04/24/12 13:27	100
Xylenes, Total	26	U	100	26	ug/L			04/24/12 13:27	100
cis-1,2-Dichloroethene	**3400**		100	6.0	ug/L			04/24/12 13:27	100
Bromodichloromethane	16	U	100	16	ug/L			04/24/12 13:27	100
1,2-Dichloroethene, Total	**5400**		100	30	ug/L			04/24/12 13:27	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*70 - 130*		*04/24/12 13:27*	*100*
Dibromofluoromethane	*89*		*62 - 130*		*04/24/12 13:27*	*100*
4-Bromofluorobenzene	*107*		*67 - 139*		*04/24/12 13:27*	*100*
1,2-Dichloroethane-d4 (Surr)	*81*		*50 - 134*		*04/24/12 13:27*	*100*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**22000**		4000	220	ug/L			04/24/12 14:35	2000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*90*		*70 - 130*		*04/24/12 14:35*	*2000*
Dibromofluoromethane	*74*		*62 - 130*		*04/24/12 14:35*	*2000*
4-Bromofluorobenzene	*100*		*67 - 139*		*04/24/12 14:35*	*2000*
1,2-Dichloroethane-d4 (Surr)	*70*		*50 - 134*		*04/24/12 14:35*	*2000*

Client Sample ID: MW-40-NPM-2

Lab Sample ID: 600-53644-5

Date Collected: 04/17/12 09:55

Matrix: Water

Date Received: 04/17/12 12:14

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	20	U	100	20	ug/L			04/24/12 22:57	20
Benzene	**120**		20	1.6	ug/L			04/24/12 22:57	20
Chlorobromomethane	3.6	U	20	3.6	ug/L			04/24/12 22:57	20
Bromoform	3.8	U	20	3.8	ug/L			04/24/12 22:57	20
Bromomethane	5.0	U	40	5.0	ug/L			04/24/12 22:57	20
2-Butanone (MEK)	15	U	40	15	ug/L			04/24/12 22:57	20
Carbon disulfide	4.8	U	40	4.8	ug/L			04/24/12 22:57	20
Carbon tetrachloride	3.0	U	20	3.0	ug/L			04/24/12 22:57	20
Dibromochloromethane	3.0	U	20	3.0	ug/L			04/24/12 22:57	20
Chlorobenzene	**450**		20	2.4	ug/L			04/24/12 22:57	20
Chloroethane	1.6	U	40	1.6	ug/L			04/24/12 22:57	20
Chloroform	2.6	U	20	2.6	ug/L			04/24/12 22:57	20
Chloromethane	3.6	U	40	3.6	ug/L			04/24/12 22:57	20

Client Sample ID: MW-40-NPM-2

Lab Sample ID: 600-53644-5

Date Collected: 04/17/12 09:55

Matrix: Water

Date Received: 04/17/12 12:14

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	**570**		20	2.2	ug/L			04/24/12 22:57	20
1,2-Dichloroethane	2.8	U	20	2.8	ug/L			04/24/12 22:57	20
1,1-Dichloroethene	3.8	U	20	3.8	ug/L			04/24/12 22:57	20
trans-1,2-Dichloroethene	**11**	**J**	20	1.8	ug/L			04/24/12 22:57	20
1,2-Dichloropropane	3.2	U	20	3.2	ug/L			04/24/12 22:57	20
cis-1,3-Dichloropropene	3.6	U	20	3.6	ug/L			04/24/12 22:57	20
trans-1,3-Dichloropropene	4.2	U	20	4.2	ug/L			04/24/12 22:57	20
Ethylbenzene	**160**		20	2.2	ug/L			04/24/12 22:57	20
2-Hexanone	7.0	U	40	7.0	ug/L			04/24/12 22:57	20
Methylene Chloride	3.0	U	100	3.0	ug/L			04/24/12 22:57	20
4-Methyl-2-pentanone (MIBK)	9.0	U	40	9.0	ug/L			04/24/12 22:57	20
Styrene	1.4	U	20	1.4	ug/L			04/24/12 22:57	20
1,1,2,2-Tetrachloroethane	4.4	U	20	4.4	ug/L			04/24/12 22:57	20
Tetrachloroethene	2.6	U	20	2.6	ug/L			04/24/12 22:57	20
Toluene	**32**		20	3.0	ug/L			04/24/12 22:57	20
1,1,1-Trichloroethane	3.0	U	20	3.0	ug/L			04/24/12 22:57	20
1,1,2-Trichloroethane	5.6	U	20	5.6	ug/L			04/24/12 22:57	20
Trichloroethene	3.6	U	20	3.6	ug/L			04/24/12 22:57	20
Vinyl acetate	4.2	U	40	4.2	ug/L			04/24/12 22:57	20
o-Xylene	2.4	U	20	2.4	ug/L			04/24/12 22:57	20
m-Xylene & p-Xylene	3.4	U	20	3.4	ug/L			04/24/12 22:57	20
Xylenes, Total	5.2	U	20	5.2	ug/L			04/24/12 22:57	20
cis-1,2-Dichloroethene	1.2	U	20	1.2	ug/L			04/24/12 22:57	20
Bromodichloromethane	3.2	U *	20	3.2	ug/L			04/24/12 22:57	20
1,2-Dichloroethene, Total	**11**	**J**	20	6.0	ug/L			04/24/12 22:57	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*70 - 130*		*04/24/12 22:57*	*20*
Dibromofluoromethane	*87*		*62 - 130*		*04/24/12 22:57*	*20*
4-Bromofluorobenzene	*103*		*67 - 139*		*04/24/12 22:57*	*20*
1,2-Dichloroethane-d4 (Surr)	*78*		*50 - 134*		*04/24/12 22:57*	*20*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**5000**		200	11	ug/L			04/24/12 13:50	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*70 - 130*		*04/24/12 13:50*	*100*
Dibromofluoromethane	*82*		*62 - 130*		*04/24/12 13:50*	*100*
4-Bromofluorobenzene	*105*		*67 - 139*		*04/24/12 13:50*	*100*
1,2-Dichloroethane-d4 (Surr)	*79*		*50 - 134*		*04/24/12 13:50*	*100*

Client Sample ID: MW-68-NPM-2

Lab Sample ID: 600-53644-6

Date Collected: 04/17/12 10:10

Matrix: Water

Date Received: 04/17/12 12:14

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	99	U	500	99	ug/L			04/24/12 23:20	100
Benzene	**140**		100	8.0	ug/L			04/24/12 23:20	100
Chlorobromomethane	18	U	100	18	ug/L			04/24/12 23:20	100
Bromoform	19	U	100	19	ug/L			04/24/12 23:20	100

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-53644-1

Client Sample ID: MW-68-NPM-2
Date Collected: 04/17/12 10:10
Date Received: 04/17/12 12:14

Lab Sample ID: 600-53644-6
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	25	U	200	25	ug/L			04/24/12 23:20	100
2-Butanone (MEK)	76	U	200	76	ug/L			04/24/12 23:20	100
Carbon disulfide	24	U	200	24	ug/L			04/24/12 23:20	100
Carbon tetrachloride	15	U	100	15	ug/L			04/24/12 23:20	100
Dibromochloromethane	15	U	100	15	ug/L			04/24/12 23:20	100
Chlorobenzene	**46**	**J**	100	12	ug/L			04/24/12 23:20	100
Chloroethane	8.0	U	200	8.0	ug/L			04/24/12 23:20	100
Chloroform	13	U	100	13	ug/L			04/24/12 23:20	100
Chloromethane	18	U	200	18	ug/L			04/24/12 23:20	100
1,1-Dichloroethane	**170**		100	11	ug/L			04/24/12 23:20	100
1,2-Dichloroethane	**150**		100	14	ug/L			04/24/12 23:20	100
1,1-Dichloroethene	19	U	100	19	ug/L			04/24/12 23:20	100
trans-1,2-Dichloroethene	**540**		100	9.0	ug/L			04/24/12 23:20	100
1,2-Dichloropropane	16	U	100	16	ug/L			04/24/12 23:20	100
cis-1,3-Dichloropropene	18	U	100	18	ug/L			04/24/12 23:20	100
trans-1,3-Dichloropropene	21	U	100	21	ug/L			04/24/12 23:20	100
Ethylbenzene	**340**		100	11	ug/L			04/24/12 23:20	100
2-Hexanone	35	U	200	35	ug/L			04/24/12 23:20	100
Methylene Chloride	15	U	500	15	ug/L			04/24/12 23:20	100
4-Methyl-2-pentanone (MIBK)	45	U	200	45	ug/L			04/24/12 23:20	100
Styrene	7.0	U	100	7.0	ug/L			04/24/12 23:20	100
1,1,2,2-Tetrachloroethane	22	U	100	22	ug/L			04/24/12 23:20	100
Tetrachloroethene	13	U	100	13	ug/L			04/24/12 23:20	100
Toluene	**51**	**J**	100	15	ug/L			04/24/12 23:20	100
1,1,1-Trichloroethane	15	U	100	15	ug/L			04/24/12 23:20	100
1,1,2-Trichloroethane	28	U	100	28	ug/L			04/24/12 23:20	100
Trichloroethene	18	U	100	18	ug/L			04/24/12 23:20	100
Vinyl acetate	21	U	200	21	ug/L			04/24/12 23:20	100
o-Xylene	12	U	100	12	ug/L			04/24/12 23:20	100
m-Xylene & p-Xylene	**280**		100	17	ug/L			04/24/12 23:20	100
Xylenes, Total	**280**		100	26	ug/L			04/24/12 23:20	100
cis-1,2-Dichloroethene	6.0	U	100	6.0	ug/L			04/24/12 23:20	100
Bromodichloromethane	16	U *	100	16	ug/L			04/24/12 23:20	100
1,2-Dichloroethene, Total	**540**		100	30	ug/L			04/24/12 23:20	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*70 - 130*		*04/24/12 23:20*	*100*
Dibromofluoromethane	*85*		*62 - 130*		*04/24/12 23:20*	*100*
4-Bromofluorobenzene	*108*		*67 - 139*		*04/24/12 23:20*	*100*
1,2-Dichloroethane-d4 (Surr)	*79*		*50 - 134*		*04/24/12 23:20*	*100*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**8000**		2000	110	ug/L			04/25/12 15:32	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*110*		*70 - 130*		*04/25/12 15:32*	*1000*
Dibromofluoromethane	*94*		*62 - 130*		*04/25/12 15:32*	*1000*
4-Bromofluorobenzene	*112*		*67 - 139*		*04/25/12 15:32*	*1000*
1,2-Dichloroethane-d4 (Surr)	*95*		*50 - 134*		*04/25/12 15:32*	*1000*

Client Sample Results

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-53644-1

Client Sample ID: MW-66-NPM-2

Date Collected: 04/17/12 10:25
Date Received: 04/17/12 12:14

Lab Sample ID: 600-53644-7

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**1600**		500	99	ug/L			04/24/12 23:43	100
Chlorobromomethane	18	U	100	18	ug/L			04/24/12 23:43	100
Bromoform	19	U	100	19	ug/L			04/24/12 23:43	100
Bromomethane	25	U	200	25	ug/L			04/24/12 23:43	100
2-Butanone (MEK)	76	U	200	76	ug/L			04/24/12 23:43	100
Carbon disulfide	24	U	200	24	ug/L			04/24/12 23:43	100
Carbon tetrachloride	15	U	100	15	ug/L			04/24/12 23:43	100
Dibromochloromethane	15	U	100	15	ug/L			04/24/12 23:43	100
Chlorobenzene	**1200**		100	12	ug/L			04/24/12 23:43	100
Chloroethane	8.0	U	200	8.0	ug/L			04/24/12 23:43	100
Chloroform	13	U	100	13	ug/L			04/24/12 23:43	100
Chloromethane	18	U	200	18	ug/L			04/24/12 23:43	100
1,1-Dichloroethane	**2800**		100	11	ug/L			04/24/12 23:43	100
1,1-Dichloroethene	**1700**		100	19	ug/L			04/24/12 23:43	100
trans-1,2-Dichloroethene	**2300**		100	9.0	ug/L			04/24/12 23:43	100
1,2-Dichloropropane	16	U	100	16	ug/L			04/24/12 23:43	100
cis-1,3-Dichloropropene	18	U	100	18	ug/L			04/24/12 23:43	100
trans-1,3-Dichloropropene	21	U	100	21	ug/L			04/24/12 23:43	100
Ethylbenzene	**2900**		100	11	ug/L			04/24/12 23:43	100
2-Hexanone	35	U	200	35	ug/L			04/24/12 23:43	100
Methylene Chloride	**120**	**J**	500	15	ug/L			04/24/12 23:43	100
4-Methyl-2-pentanone (MIBK)	45	U	200	45	ug/L			04/24/12 23:43	100
Styrene	**900**		100	7.0	ug/L			04/24/12 23:43	100
1,1,2,2-Tetrachloroethane	22	U	100	22	ug/L			04/24/12 23:43	100
Tetrachloroethene	13	U	100	13	ug/L			04/24/12 23:43	100
Toluene	**1900**		100	15	ug/L			04/24/12 23:43	100
1,1,1-Trichloroethane	15	U	100	15	ug/L			04/24/12 23:43	100
Trichloroethene	**770**		100	18	ug/L			04/24/12 23:43	100
Vinyl acetate	21	U	200	21	ug/L			04/24/12 23:43	100
o-Xylene	**12**	**J**	100	12	ug/L			04/24/12 23:43	100
m-Xylene & p-Xylene	17	U	100	17	ug/L			04/24/12 23:43	100
Xylenes, Total	26	U	100	26	ug/L			04/24/12 23:43	100
cis-1,2-Dichloroethene	**1200**		100	6.0	ug/L			04/24/12 23:43	100
Bromodichloromethane	16	U *	100	16	ug/L			04/24/12 23:43	100
1,2-Dichloroethene, Total	**3500**		100	30	ug/L			04/24/12 23:43	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*70 - 130*		*04/24/12 23:43*	*100*
Dibromofluoromethane	*89*		*62 - 130*		*04/24/12 23:43*	*100*
4-Bromofluorobenzene	*106*		*67 - 139*		*04/24/12 23:43*	*100*
1,2-Dichloroethane-d4 (Surr)	*84*		*50 - 134*		*04/24/12 23:43*	*100*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**4900**		500	40	ug/L			04/26/12 20:37	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*80*		*70 - 130*		*04/26/12 20:37*	*500*
Dibromofluoromethane	*71*		*62 - 130*		*04/26/12 20:37*	*500*
4-Bromofluorobenzene	*76*		*67 - 139*		*04/26/12 20:37*	*500*
1,2-Dichloroethane-d4 (Surr)	*75*		*50 - 134*		*04/26/12 20:37*	*500*

Client Sample Results

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-53644-1

Client Sample ID: MW-66-NPM-2

Lab Sample ID: 600-53644-7

Date Collected: 04/17/12 10:25
Matrix: Water
Date Received: 04/17/12 12:14

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	**170000**		10000	1400	ug/L			04/25/12 15:59	10000
1,1,2-Trichloroethane	**88000**		10000	2800	ug/L			04/25/12 15:59	10000
Vinyl chloride	**66000**		20000	1100	ug/L			04/25/12 15:59	10000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*113*		*70 - 130*		*04/25/12 15:59*	*10000*
Dibromofluoromethane	*106*		*62 - 130*		*04/25/12 15:59*	*10000*
4-Bromofluorobenzene	*104*		*67 - 139*		*04/25/12 15:59*	*10000*
1,2-Dichloroethane-d4 (Surr)	*114*		*50 - 134*		*04/25/12 15:59*	*10000*

Client Sample ID: MW-4-NPM-2

Lab Sample ID: 600-53644-8

Date Collected: 04/17/12 10:40
Matrix: Water
Date Received: 04/17/12 12:14

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**1100**		500	99	ug/L			04/25/12 00:05	100
Benzene	**2800**		100	8.0	ug/L			04/25/12 00:05	100
Chlorobromomethane	18	U	100	18	ug/L			04/25/12 00:05	100
Bromoform	19	U	100	19	ug/L			04/25/12 00:05	100
Bromomethane	25	U	200	25	ug/L			04/25/12 00:05	100
2-Butanone (MEK)	76	U	200	76	ug/L			04/25/12 00:05	100
Carbon disulfide	24	U	200	24	ug/L			04/25/12 00:05	100
Carbon tetrachloride	15	U	100	15	ug/L			04/25/12 00:05	100
Dibromochloromethane	15	U	100	15	ug/L			04/25/12 00:05	100
Chlorobenzene	**540**		100	12	ug/L			04/25/12 00:05	100
Chloroethane	8.0	U	200	8.0	ug/L			04/25/12 00:05	100
Chloroform	13	U	100	13	ug/L			04/25/12 00:05	100
Chloromethane	18	U	200	18	ug/L			04/25/12 00:05	100
1,1-Dichloroethane	**4100**		100	11	ug/L			04/25/12 00:05	100
1,2-Dichloropropane	16	U	100	16	ug/L			04/25/12 00:05	100
cis-1,3-Dichloropropene	18	U	100	18	ug/L			04/25/12 00:05	100
trans-1,3-Dichloropropene	21	U	100	21	ug/L			04/25/12 00:05	100
Ethylbenzene	**430**		100	11	ug/L			04/25/12 00:05	100
2-Hexanone	35	U	200	35	ug/L			04/25/12 00:05	100
Methylene Chloride	15	U	500	15	ug/L			04/25/12 00:05	100
4-Methyl-2-pentanone (MIBK)	45	U	200	45	ug/L			04/25/12 00:05	100
Styrene	7.0	U	100	7.0	ug/L			04/25/12 00:05	100
1,1,2,2-Tetrachloroethane	22	U	100	22	ug/L			04/25/12 00:05	100
Tetrachloroethene	**190**		100	13	ug/L			04/25/12 00:05	100
Toluene	**140**		100	15	ug/L			04/25/12 00:05	100
1,1,1-Trichloroethane	**97**	**J**	100	15	ug/L			04/25/12 00:05	100
1,1,2-Trichloroethane	**68**	**J**	100	28	ug/L			04/25/12 00:05	100
Trichloroethene	**920**		100	18	ug/L			04/25/12 00:05	100
Vinyl acetate	21	U	200	21	ug/L			04/25/12 00:05	100
o-Xylene	**15**	**J**	100	12	ug/L			04/25/12 00:05	100
m-Xylene & p-Xylene	**25**	**J**	100	17	ug/L			04/25/12 00:05	100
Xylenes, Total	**40**	**J**	100	26	ug/L			04/25/12 00:05	100
Bromodichloromethane	16	U *	100	16	ug/L			04/25/12 00:05	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*70 - 130*		*04/25/12 00:05*	*100*

Client Sample ID: MW-4-NPM-2

Lab Sample ID: 600-53644-8

Date Collected: 04/17/12 10:40

Matrix: Water

Date Received: 04/17/12 12:14

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	89		62 - 130		04/25/12 00:05	100
4-Bromofluorobenzene	103		67 - 139		04/25/12 00:05	100
1,2-Dichloroethane-d4 (Surr)	83		50 - 134		04/25/12 00:05	100

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	3800		500	95	ug/L			04/25/12 13:42	500
trans-1,2-Dichloroethene	5400		500	45	ug/L			04/25/12 13:42	500
cis-1,2-Dichloroethene	3300		500	30	ug/L			04/25/12 13:42	500
1,2-Dichloroethene, Total	8700		500	150	ug/L			04/25/12 13:42	500

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	111		70 - 130		04/25/12 13:42	500
Dibromofluoromethane	96		62 - 130		04/25/12 13:42	500
4-Bromofluorobenzene	115		67 - 139		04/25/12 13:42	500
1,2-Dichloroethane-d4 (Surr)	99		50 - 134		04/25/12 13:42	500

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	46000		20000	2800	ug/L			04/25/12 15:04	20000
Vinyl chloride	180000		40000	2200	ug/L			04/25/12 15:04	20000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	108		70 - 130		04/25/12 15:04	20000
Dibromofluoromethane	95		62 - 130		04/25/12 15:04	20000
4-Bromofluorobenzene	109		67 - 139		04/25/12 15:04	20000
1,2-Dichloroethane-d4 (Surr)	96		50 - 134		04/25/12 15:04	20000

Client Sample ID: DUP-NPM-2

Lab Sample ID: 600-53644-9

Date Collected: 04/17/12 00:00

Matrix: Water

Date Received: 04/17/12 12:14

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	99	U	500	99	ug/L			04/24/12 12:41	100
Benzene	120		100	8.0	ug/L			04/24/12 12:41	100
Chlorobromomethane	18	U	100	18	ug/L			04/24/12 12:41	100
Bromoform	19	U	100	19	ug/L			04/24/12 12:41	100
Bromomethane	25	U	200	25	ug/L			04/24/12 12:41	100
2-Butanone (MEK)	76	U	200	76	ug/L			04/24/12 12:41	100
Carbon disulfide	24	U	200	24	ug/L			04/24/12 12:41	100
Carbon tetrachloride	15	U	100	15	ug/L			04/24/12 12:41	100
Dibromochloromethane	15	U	100	15	ug/L			04/24/12 12:41	100
Chlorobenzene	320		100	12	ug/L			04/24/12 12:41	100
Chloroethane	8.0	U	200	8.0	ug/L			04/24/12 12:41	100
Chloroform	13	U	100	13	ug/L			04/24/12 12:41	100
Chloromethane	18	U	200	18	ug/L			04/24/12 12:41	100
1,1-Dichloroethane	1200		100	11	ug/L			04/24/12 12:41	100
1,2-Dichloroethane	1400		100	14	ug/L			04/24/12 12:41	100
1,1-Dichloroethene	400		100	19	ug/L			04/24/12 12:41	100
trans-1,2-Dichloroethene	1700		100	9.0	ug/L			04/24/12 12:41	100
1,2-Dichloropropane	16	U	100	16	ug/L			04/24/12 12:41	100

Client Sample ID: DUP-NPM-2

Lab Sample ID: 600-53644-9

Date Collected: 04/17/12 00:00

Matrix: Water

Date Received: 04/17/12 12:14

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	18	U	100	18	ug/L			04/24/12 12:41	100
trans-1,3-Dichloropropene	21	U	100	21	ug/L			04/24/12 12:41	100
Ethylbenzene	**32**	**J**	100	11	ug/L			04/24/12 12:41	100
2-Hexanone	35	U	200	35	ug/L			04/24/12 12:41	100
Methylene Chloride	15	U	500	15	ug/L			04/24/12 12:41	100
4-Methyl-2-pentanone (MIBK)	45	U	200	45	ug/L			04/24/12 12:41	100
Styrene	7.0	U	100	7.0	ug/L			04/24/12 12:41	100
1,1,2,2-Tetrachloroethane	22	U	100	22	ug/L			04/24/12 12:41	100
Tetrachloroethene	13	U	100	13	ug/L			04/24/12 12:41	100
Toluene	15	U	100	15	ug/L			04/24/12 12:41	100
1,1,1-Trichloroethane	15	U	100	15	ug/L			04/24/12 12:41	100
1,1,2-Trichloroethane	28	U	100	28	ug/L			04/24/12 12:41	100
Trichloroethene	**550**		100	18	ug/L			04/24/12 12:41	100
Vinyl acetate	21	U	200	21	ug/L			04/24/12 12:41	100
o-Xylene	12	U	100	12	ug/L			04/24/12 12:41	100
m-Xylene & p-Xylene	**26**	**J**	100	17	ug/L			04/24/12 12:41	100
Xylenes, Total	**26**	**J**	100	26	ug/L			04/24/12 12:41	100
cis-1,2-Dichloroethene	**2900**		100	6.0	ug/L			04/24/12 12:41	100
Bromodichloromethane	16	U	100	16	ug/L			04/24/12 12:41	100
1,2-Dichloroethene, Total	**4600**		100	30	ug/L			04/24/12 12:41	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*89*		*70 - 130*		*04/24/12 12:41*	*100*
Dibromofluoromethane	*72*		*62 - 130*		*04/24/12 12:41*	*100*
4-Bromofluorobenzene	*95*		*67 - 139*		*04/24/12 12:41*	*100*
1,2-Dichloroethane-d4 (Surr)	*66*		*50 - 134*		*04/24/12 12:41*	*100*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**27000**		4000	220	ug/L			04/24/12 13:04	2000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*70 - 130*		*04/24/12 13:04*	*2000*
Dibromofluoromethane	*85*		*62 - 130*		*04/24/12 13:04*	*2000*
4-Bromofluorobenzene	*108*		*67 - 139*		*04/24/12 13:04*	*2000*
1,2-Dichloroethane-d4 (Surr)	*76*		*50 - 134*		*04/24/12 13:04*	*2000*

Client Sample ID: Trip Blank

Lab Sample ID: 600-53644-10

Date Collected: 04/17/12 00:00

Matrix: Water

Date Received: 04/17/12 12:14

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			04/21/12 01:41	1
Benzene	0.080	U	1.0	0.080	ug/L			04/21/12 01:41	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			04/21/12 01:41	1
Bromoform	0.19	U	1.0	0.19	ug/L			04/21/12 01:41	1
Bromomethane	0.25	U	2.0	0.25	ug/L			04/21/12 01:41	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			04/21/12 01:41	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			04/21/12 01:41	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			04/21/12 01:41	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			04/21/12 01:41	1

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-53644-1

Client Sample ID: Trip Blank
Date Collected: 04/17/12 00:00
Date Received: 04/17/12 12:14

Lab Sample ID: 600-53644-10
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	0.12	U	1.0	0.12	ug/L			04/21/12 01:41	1
Chloroethane	0.080	U	2.0	0.080	ug/L			04/21/12 01:41	1
Chloroform	0.13	U	1.0	0.13	ug/L			04/21/12 01:41	1
Chloromethane	0.18	U	2.0	0.18	ug/L			04/21/12 01:41	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			04/21/12 01:41	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			04/21/12 01:41	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			04/21/12 01:41	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			04/21/12 01:41	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			04/21/12 01:41	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			04/21/12 01:41	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			04/21/12 01:41	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			04/21/12 01:41	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			04/21/12 01:41	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			04/21/12 01:41	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			04/21/12 01:41	1
Styrene	0.070	U	1.0	0.070	ug/L			04/21/12 01:41	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			04/21/12 01:41	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			04/21/12 01:41	1
Toluene	0.15	U	1.0	0.15	ug/L			04/21/12 01:41	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			04/21/12 01:41	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			04/21/12 01:41	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			04/21/12 01:41	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			04/21/12 01:41	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			04/21/12 01:41	1
o-Xylene	0.12	U	1.0	0.12	ug/L			04/21/12 01:41	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			04/21/12 01:41	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			04/21/12 01:41	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			04/21/12 01:41	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			04/21/12 01:41	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			04/21/12 01:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*117*		*70 - 130*		*04/21/12 01:41*	*1*
Dibromofluoromethane	*101*		*62 - 130*		*04/21/12 01:41*	*1*
4-Bromofluorobenzene	*114*		*67 - 139*		*04/21/12 01:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*50 - 134*		*04/21/12 01:41*	*1*

Surrogate Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-53644-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DBFM	BFB	12DCE
Lab Sample ID	Client Sample ID	(70-130)	(62-130)	(67-139)	(50-134)
600-53644-1	MW-71-NPM-2	115	96	110	87
600-53644-1 - DL	MW-71-NPM-2	92	79	100	72
600-53644-1 MS - DL	MW-71-NPM-2	87	73	87	65
600-53644-1 MSD - DL	MW-71-NPM-2	100	88	108	82
600-53644-2	MW-65-NPM-2	97	85	96	79
600-53644-2 - DL	MW-65-NPM-2	97	85	103	79
600-53644-3	MW-8-NPM-2	97	84	105	78
600-53644-3 - DL	MW-8-NPM-2	99	83	105	74
600-53644-4	MW-11-NPM-2	99	89	107	81
600-53644-4 - DL	MW-11-NPM-2	90	74	100	70
600-53644-5 - DL	MW-40-NPM-2	101	82	105	79
600-53644-5	MW-40-NPM-2	103	87	103	78
600-53644-6	MW-68-NPM-2	103	85	108	79
600-53644-6 - DL	MW-68-NPM-2	110	94	112	95
600-53644-7	MW-66-NPM-2	100	89	106	84
600-53644-7 - DL2	MW-66-NPM-2	113	106	104	114
600-53644-7 - DL	MW-66-NPM-2	80	71	76	75
600-53644-8	MW-4-NPM-2	99	89	103	83
600-53644-8 - DL	MW-4-NPM-2	111	96	115	99
600-53644-8 - DL2	MW-4-NPM-2	108	95	109	96
600-53644-8 MS - DL2	MW-4-NPM-2	107	96	108	110
600-53644-8 MSD - DL2	MW-4-NPM-2	109	100	104	113
600-53644-9	DUP-NPM-2	89	72	95	66
600-53644-9 - DL	DUP-NPM-2	101	85	108	76
600-53644-10	Trip Blank	117	101	114	93
LCS 600-77680/2	Lab Control Sample	99	86	96	79
LCS 600-77856/2	Lab Control Sample	87	73	87	67
LCS 600-77922/3	Lab Control Sample	75	96	98	115
LCS 600-78061/5	Lab Control Sample	82	75	81	73
MB 600-77680/3	Method Blank	117	104	114	95
MB 600-77856/3	Method Blank	94	76	98	68
MB 600-77922/4	Method Blank	100	82	105	76
MB 600-77969/4	Method Blank	109	100	111	99
MB 600-78061/6	Method Blank	80	71	79	76

Surrogate Legend

TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane
BFB = 4-Bromofluorobenzene
12DCE = 1,2-Dichloroethane-d4 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DBFM	BFB	12DCE
Lab Sample ID	Client Sample ID				
LCS 600-77969/3	Lab Control Sample				

Surrogate Legend

TOL = Toluene-d8 (Surr)

Surrogate Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-53644-1

DBFM = Dibromofluoromethane
BFB = 4-Bromofluorobenzene
12DCE = 1,2-Dichloroethane-d4 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 600-77680/3
Matrix: Water
Analysis Batch: 77680

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			04/20/12 18:32	1
Benzene	0.080	U	1.0	0.080	ug/L			04/20/12 18:32	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			04/20/12 18:32	1
Bromoform	0.19	U	1.0	0.19	ug/L			04/20/12 18:32	1
Bromomethane	0.25	U	2.0	0.25	ug/L			04/20/12 18:32	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			04/20/12 18:32	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			04/20/12 18:32	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			04/20/12 18:32	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			04/20/12 18:32	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			04/20/12 18:32	1
Chloroethane	0.080	U	2.0	0.080	ug/L			04/20/12 18:32	1
Chloroform	0.13	U	1.0	0.13	ug/L			04/20/12 18:32	1
Chloromethane	0.18	U	2.0	0.18	ug/L			04/20/12 18:32	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			04/20/12 18:32	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			04/20/12 18:32	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			04/20/12 18:32	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			04/20/12 18:32	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			04/20/12 18:32	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			04/20/12 18:32	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			04/20/12 18:32	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			04/20/12 18:32	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			04/20/12 18:32	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			04/20/12 18:32	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			04/20/12 18:32	1
Styrene	0.070	U	1.0	0.070	ug/L			04/20/12 18:32	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			04/20/12 18:32	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			04/20/12 18:32	1
Toluene	0.15	U	1.0	0.15	ug/L			04/20/12 18:32	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			04/20/12 18:32	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			04/20/12 18:32	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			04/20/12 18:32	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			04/20/12 18:32	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			04/20/12 18:32	1
o-Xylene	0.12	U	1.0	0.12	ug/L			04/20/12 18:32	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			04/20/12 18:32	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			04/20/12 18:32	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			04/20/12 18:32	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			04/20/12 18:32	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			04/20/12 18:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*117*		*70 - 130*		*04/20/12 18:32*	*1*
Dibromofluoromethane	*104*		*62 - 130*		*04/20/12 18:32*	*1*
4-Bromofluorobenzene	*114*		*67 - 139*		*04/20/12 18:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*50 - 134*		*04/20/12 18:32*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-77680/2
Matrix: Water
Analysis Batch: 77680

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	17.7		ug/L		89	28 - 152
Benzene	10.0	8.50		ug/L		85	69 - 131
Chlorobromomethane	10.0	8.35		ug/L		84	60 - 141
Bromoform	10.0	8.86		ug/L		89	39 - 149
Bromomethane	10.0	9.08		ug/L		91	52 - 146
2-Butanone (MEK)	20.0	16.7		ug/L		83	59 - 133
Carbon disulfide	10.0	6.18		ug/L		62	32 - 177
Carbon tetrachloride	10.0	7.87		ug/L		79	59 - 147
Dibromochloromethane	10.0	8.93		ug/L		89	58 - 132
Chlorobenzene	10.0	9.44		ug/L		94	60 - 136
Chloroethane	10.0	9.32		ug/L		93	56 - 144
Chloroform	10.0	9.00		ug/L		90	69 - 128
Chloromethane	10.0	10.1		ug/L		101	32 - 151
1,1-Dichloroethane	10.0	9.00		ug/L		90	66 - 126
1,2-Dichloroethane	10.0	8.71		ug/L		87	66 - 140
1,1-Dichloroethene	10.0	7.19		ug/L		72	59 - 145
trans-1,2-Dichloroethene	10.0	8.43		ug/L		84	70 - 132
1,2-Dichloropropane	10.0	9.46		ug/L		95	72 - 125
cis-1,3-Dichloropropene	10.0	9.83		ug/L		98	60 - 135
trans-1,3-Dichloropropene	10.0	10.9		ug/L		109	63 - 133
Ethylbenzene	10.0	10.1		ug/L		101	68 - 128
2-Hexanone	20.0	17.1		ug/L		86	51 - 130
Methylene Chloride	10.0	6.81		ug/L		68	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	18.2		ug/L		91	56 - 142
Styrene	10.0	10.3		ug/L		103	68 - 133
1,1,2,2-Tetrachloroethane	10.0	9.78		ug/L		98	68 - 134
Tetrachloroethene	10.0	9.92		ug/L		99	61 - 142
Toluene	10.0	9.41		ug/L		94	67 - 130
1,1,1-Trichloroethane	10.0	8.39		ug/L		84	65 - 142
1,1,2-Trichloroethane	10.0	9.11		ug/L		91	68 - 130
Trichloroethene	10.0	9.12		ug/L		91	68 - 130
Vinyl acetate	10.0	7.96		ug/L		80	58 - 175
Vinyl chloride	10.0	9.60		ug/L		96	47 - 146
o-Xylene	10.0	10.0		ug/L		100	68 - 134
m-Xylene & p-Xylene	20.0	20.3		ug/L		101	67 - 132
Xylenes, Total	30.0	30.3		ug/L		101	68 - 132
cis-1,2-Dichloroethene	10.0	8.02		ug/L		80	69 - 129
Bromodichloromethane	10.0	9.00		ug/L		90	73 - 130
1,2-Dichloroethene, Total	20.0	16.5		ug/L		82	65 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*70 - 130*
Dibromofluoromethane	*86*		*62 - 130*
4-Bromofluorobenzene	*96*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*79*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 600-77856/3
Matrix: Water
Analysis Batch: 77856

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			04/24/12 10:16	1
Benzene	0.080	U	1.0	0.080	ug/L			04/24/12 10:16	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			04/24/12 10:16	1
Bromoform	0.19	U	1.0	0.19	ug/L			04/24/12 10:16	1
Bromomethane	0.25	U	2.0	0.25	ug/L			04/24/12 10:16	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			04/24/12 10:16	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			04/24/12 10:16	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			04/24/12 10:16	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			04/24/12 10:16	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			04/24/12 10:16	1
Chloroethane	0.080	U	2.0	0.080	ug/L			04/24/12 10:16	1
Chloroform	0.13	U	1.0	0.13	ug/L			04/24/12 10:16	1
Chloromethane	0.18	U	2.0	0.18	ug/L			04/24/12 10:16	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			04/24/12 10:16	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			04/24/12 10:16	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			04/24/12 10:16	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			04/24/12 10:16	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			04/24/12 10:16	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			04/24/12 10:16	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			04/24/12 10:16	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			04/24/12 10:16	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			04/24/12 10:16	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			04/24/12 10:16	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			04/24/12 10:16	1
Styrene	0.070	U	1.0	0.070	ug/L			04/24/12 10:16	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			04/24/12 10:16	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			04/24/12 10:16	1
Toluene	0.15	U	1.0	0.15	ug/L			04/24/12 10:16	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			04/24/12 10:16	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			04/24/12 10:16	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			04/24/12 10:16	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			04/24/12 10:16	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			04/24/12 10:16	1
o-Xylene	0.12	U	1.0	0.12	ug/L			04/24/12 10:16	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			04/24/12 10:16	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			04/24/12 10:16	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			04/24/12 10:16	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			04/24/12 10:16	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			04/24/12 10:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*70 - 130*		*04/24/12 10:16*	*1*
Dibromofluoromethane	*76*		*62 - 130*		*04/24/12 10:16*	*1*
4-Bromofluorobenzene	*98*		*67 - 139*		*04/24/12 10:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*68*		*50 - 134*		*04/24/12 10:16*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-77856/2
Matrix: Water
Analysis Batch: 77856

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	18.0		ug/L		90	28 - 152
Benzene	10.0	8.86		ug/L		89	69 - 131
Chlorobromomethane	10.0	8.81		ug/L		88	60 - 141
Bromoform	10.0	9.14		ug/L		91	39 - 149
Bromomethane	10.0	7.99		ug/L		80	52 - 146
2-Butanone (MEK)	20.0	17.1		ug/L		86	59 - 133
Carbon disulfide	10.0	5.86		ug/L		59	32 - 177
Carbon tetrachloride	10.0	7.35		ug/L		73	59 - 147
Dibromochloromethane	10.0	9.00		ug/L		90	58 - 132
Chlorobenzene	10.0	10.5		ug/L		105	60 - 136
Chloroethane	10.0	8.64		ug/L		86	56 - 144
Chloroform	10.0	9.53		ug/L		95	69 - 128
Chloromethane	10.0	6.46		ug/L		65	32 - 151
1,1-Dichloroethane	10.0	9.47		ug/L		95	66 - 126
1,2-Dichloroethane	10.0	9.04		ug/L		90	66 - 140
1,1-Dichloroethene	10.0	7.30		ug/L		73	59 - 145
trans-1,2-Dichloroethene	10.0	9.07		ug/L		91	70 - 132
1,2-Dichloropropane	10.0	10.5		ug/L		105	72 - 125
cis-1,3-Dichloropropene	10.0	10.2		ug/L		102	60 - 135
trans-1,3-Dichloropropene	10.0	10.7		ug/L		107	63 - 133
Ethylbenzene	10.0	11.9		ug/L		119	68 - 128
2-Hexanone	20.0	17.6		ug/L		88	51 - 130
Methylene Chloride	10.0	7.24		ug/L		72	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	18.6		ug/L		93	56 - 142
Styrene	10.0	11.9		ug/L		119	68 - 133
1,1,2,2-Tetrachloroethane	10.0	10.6		ug/L		106	68 - 134
Tetrachloroethene	10.0	10.8		ug/L		108	61 - 142
Toluene	10.0	10.5		ug/L		105	67 - 130
1,1,1-Trichloroethane	10.0	8.38		ug/L		84	65 - 142
1,1,2-Trichloroethane	10.0	9.98		ug/L		100	68 - 130
Trichloroethene	10.0	10.1		ug/L		101	68 - 130
Vinyl acetate	10.0	6.96		ug/L		70	58 - 175
Vinyl chloride	10.0	7.82		ug/L		78	47 - 146
o-Xylene	10.0	11.8		ug/L		118	68 - 134
m-Xylene & p-Xylene	20.0	23.9		ug/L		119	67 - 132
Xylenes, Total	30.0	35.7		ug/L		119	68 - 132
cis-1,2-Dichloroethene	10.0	8.61		ug/L		86	69 - 129
Bromodichloromethane	10.0	9.56		ug/L		96	73 - 130
1,2-Dichloroethene, Total	20.0	17.7		ug/L		88	65 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*87*		*70 - 130*
Dibromofluoromethane	*73*		*62 - 130*
4-Bromofluorobenzene	*87*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*67*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 600-77922/4
Matrix: Water
Analysis Batch: 77922

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			04/24/12 16:24	1
Benzene	0.080	U	1.0	0.080	ug/L			04/24/12 16:24	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			04/24/12 16:24	1
Bromoform	0.19	U	1.0	0.19	ug/L			04/24/12 16:24	1
Bromomethane	0.25	U	2.0	0.25	ug/L			04/24/12 16:24	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			04/24/12 16:24	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			04/24/12 16:24	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			04/24/12 16:24	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			04/24/12 16:24	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			04/24/12 16:24	1
Chloroethane	0.080	U	2.0	0.080	ug/L			04/24/12 16:24	1
Chloroform	0.13	U	1.0	0.13	ug/L			04/24/12 16:24	1
Chloromethane	0.18	U	2.0	0.18	ug/L			04/24/12 16:24	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			04/24/12 16:24	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			04/24/12 16:24	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			04/24/12 16:24	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			04/24/12 16:24	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			04/24/12 16:24	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			04/24/12 16:24	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			04/24/12 16:24	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			04/24/12 16:24	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			04/24/12 16:24	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			04/24/12 16:24	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			04/24/12 16:24	1
Styrene	0.070	U	1.0	0.070	ug/L			04/24/12 16:24	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			04/24/12 16:24	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			04/24/12 16:24	1
Toluene	0.15	U	1.0	0.15	ug/L			04/24/12 16:24	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			04/24/12 16:24	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			04/24/12 16:24	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			04/24/12 16:24	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			04/24/12 16:24	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			04/24/12 16:24	1
o-Xylene	0.12	U	1.0	0.12	ug/L			04/24/12 16:24	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			04/24/12 16:24	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			04/24/12 16:24	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			04/24/12 16:24	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			04/24/12 16:24	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			04/24/12 16:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*70 - 130*		*04/24/12 16:24*	*1*
Dibromofluoromethane	*82*		*62 - 130*		*04/24/12 16:24*	*1*
4-Bromofluorobenzene	*105*		*67 - 139*		*04/24/12 16:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*76*		*50 - 134*		*04/24/12 16:24*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-77922/3
Matrix: Water
Analysis Batch: 77922

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	13.6		ug/L		68	28 - 152
Benzene	10.0	7.84		ug/L		78	69 - 131
Chlorobromomethane	10.0	8.19		ug/L		82	60 - 141
Bromoform	10.0	7.39		ug/L		74	39 - 149
Bromomethane	10.0	8.53		ug/L		85	52 - 146
2-Butanone (MEK)	20.0	16.8		ug/L		84	59 - 133
Carbon disulfide	10.0	5.15		ug/L		52	32 - 177
Carbon tetrachloride	10.0	6.61		ug/L		66	59 - 147
Dibromochloromethane	10.0	6.70		ug/L		67	58 - 132
Chlorobenzene	10.0	7.53		ug/L		75	60 - 136
Chloroethane	10.0	9.18		ug/L		92	56 - 144
Chloroform	10.0	8.44		ug/L		84	69 - 128
Chloromethane	10.0	6.93		ug/L		69	32 - 151
1,1-Dichloroethane	10.0	8.36		ug/L		84	66 - 126
1,2-Dichloroethane	10.0	8.07		ug/L		81	66 - 140
1,1-Dichloroethene	10.0	6.32		ug/L		63	59 - 145
trans-1,2-Dichloroethene	10.0	7.92		ug/L		79	70 - 132
1,2-Dichloropropane	10.0	7.62		ug/L		76	72 - 125
cis-1,3-Dichloropropene	10.0	7.43		ug/L		74	60 - 135
trans-1,3-Dichloropropene	10.0	8.07		ug/L		81	63 - 133
Ethylbenzene	10.0	9.06		ug/L		91	68 - 128
2-Hexanone	20.0	13.9		ug/L		70	51 - 130
Methylene Chloride	10.0	6.18		ug/L		62	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	13.8		ug/L		69	56 - 142
Styrene	10.0	9.18		ug/L		92	68 - 133
1,1,2,2-Tetrachloroethane	10.0	8.16		ug/L		82	68 - 134
Tetrachloroethene	10.0	7.79		ug/L		78	61 - 142
Toluene	10.0	7.41		ug/L		74	67 - 130
1,1,1-Trichloroethane	10.0	7.54		ug/L		75	65 - 142
1,1,2-Trichloroethane	10.0	7.30		ug/L		73	68 - 130
Trichloroethene	10.0	7.09		ug/L		71	68 - 130
Vinyl acetate	10.0	6.81		ug/L		68	58 - 175
Vinyl chloride	10.0	7.60		ug/L		76	47 - 146
o-Xylene	10.0	8.75		ug/L		87	68 - 134
m-Xylene & p-Xylene	20.0	18.1		ug/L		91	67 - 132
Xylenes, Total	30.0	26.9		ug/L		90	68 - 132
cis-1,2-Dichloroethene	10.0	7.68		ug/L		77	69 - 129
Bromodichloromethane	10.0	6.83	*	ug/L		68	73 - 130
1,2-Dichloroethene, Total	20.0	15.6		ug/L		78	65 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*75*		*70 - 130*
Dibromofluoromethane	*96*		*62 - 130*
4-Bromofluorobenzene	*98*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*115*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 600-77969/4
Matrix: Water
Analysis Batch: 77969

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1.78	J	5.0	0.99	ug/L			04/25/12 12:48	1
Benzene	0.080	U	1.0	0.080	ug/L			04/25/12 12:48	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			04/25/12 12:48	1
Bromoform	0.19	U	1.0	0.19	ug/L			04/25/12 12:48	1
Bromomethane	0.25	U	2.0	0.25	ug/L			04/25/12 12:48	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			04/25/12 12:48	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			04/25/12 12:48	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			04/25/12 12:48	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			04/25/12 12:48	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			04/25/12 12:48	1
Chloroethane	0.080	U	2.0	0.080	ug/L			04/25/12 12:48	1
Chloroform	0.13	U	1.0	0.13	ug/L			04/25/12 12:48	1
Chloromethane	0.18	U	2.0	0.18	ug/L			04/25/12 12:48	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			04/25/12 12:48	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			04/25/12 12:48	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			04/25/12 12:48	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			04/25/12 12:48	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			04/25/12 12:48	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			04/25/12 12:48	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			04/25/12 12:48	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			04/25/12 12:48	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			04/25/12 12:48	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			04/25/12 12:48	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			04/25/12 12:48	1
Styrene	0.070	U	1.0	0.070	ug/L			04/25/12 12:48	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			04/25/12 12:48	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			04/25/12 12:48	1
Toluene	0.15	U	1.0	0.15	ug/L			04/25/12 12:48	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			04/25/12 12:48	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			04/25/12 12:48	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			04/25/12 12:48	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			04/25/12 12:48	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			04/25/12 12:48	1
o-Xylene	0.12	U	1.0	0.12	ug/L			04/25/12 12:48	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			04/25/12 12:48	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			04/25/12 12:48	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			04/25/12 12:48	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			04/25/12 12:48	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			04/25/12 12:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*109*		*70 - 130*		*04/25/12 12:48*	*1*
Dibromofluoromethane	*100*		*62 - 130*		*04/25/12 12:48*	*1*
4-Bromofluorobenzene	*111*		*67 - 139*		*04/25/12 12:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*50 - 134*		*04/25/12 12:48*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-77969/3
Matrix: Water
Analysis Batch: 77969

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	12.8		ug/L		64	28 - 152
Benzene	10.0	10.1		ug/L		101	69 - 131
Chlorobromomethane	10.0	9.36		ug/L		94	60 - 141
Bromoform	10.0	9.08		ug/L		91	39 - 149
Bromomethane	10.0	7.06		ug/L		71	52 - 146
2-Butanone (MEK)	20.0	17.1		ug/L		85	59 - 133
Carbon disulfide	10.0	8.38		ug/L		84	32 - 177
Carbon tetrachloride	10.0	9.99		ug/L		100	59 - 147
Dibromochloromethane	10.0	9.00		ug/L		90	58 - 132
Chlorobenzene	10.0	9.26		ug/L		93	60 - 136
Chloroethane	10.0	9.66		ug/L		97	56 - 144
Chloroform	10.0	9.45		ug/L		95	69 - 128
Chloromethane	10.0	9.44		ug/L		94	32 - 151
1,1-Dichloroethane	10.0	9.11		ug/L		91	66 - 126
1,2-Dichloroethane	10.0	10.3		ug/L		103	66 - 140
1,1-Dichloroethene	10.0	7.71		ug/L		77	59 - 145
trans-1,2-Dichloroethene	10.0	8.96		ug/L		90	70 - 132
1,2-Dichloropropane	10.0	10.3		ug/L		103	72 - 125
cis-1,3-Dichloropropene	10.0	11.1		ug/L		111	60 - 135
trans-1,3-Dichloropropene	10.0	10.1		ug/L		101	63 - 133
Ethylbenzene	10.0	9.01		ug/L		90	68 - 128
2-Hexanone	20.0	15.1		ug/L		76	51 - 130
Methylene Chloride	10.0	8.67		ug/L		87	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	17.4		ug/L		87	56 - 142
Styrene	10.0	8.63		ug/L		86	68 - 133
1,1,2,2-Tetrachloroethane	10.0	9.16		ug/L		92	68 - 134
Tetrachloroethene	10.0	9.04		ug/L		90	61 - 142
Toluene	10.0	10.2		ug/L		102	67 - 130
1,1,1-Trichloroethane	10.0	10.4		ug/L		104	65 - 142
1,1,2-Trichloroethane	10.0	9.52		ug/L		95	68 - 130
Trichloroethene	10.0	9.65		ug/L		96	68 - 130
Vinyl acetate	10.0	5.60	*	ug/L		56	58 - 175
Vinyl chloride	10.0	10.6		ug/L		106	47 - 146
o-Xylene	10.0	8.90		ug/L		89	68 - 134
m-Xylene & p-Xylene	20.0	18.5		ug/L		92	67 - 132
Xylenes, Total	30.0	27.4		ug/L		91	68 - 132
cis-1,2-Dichloroethene	10.0	9.42		ug/L		94	69 - 129
Bromodichloromethane	10.0	9.67		ug/L		97	73 - 130
1,2-Dichloroethene, Total	20.0	18.4		ug/L		92	65 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)			
Dibromofluoromethane			
4-Bromofluorobenzene			
1,2-Dichloroethane-d4 (Surr)			

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 600-78061/6
Matrix: Water
Analysis Batch: 78061

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			04/26/12 12:59	1
Benzene	0.080	U	1.0	0.080	ug/L			04/26/12 12:59	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			04/26/12 12:59	1
Bromoform	0.19	U	1.0	0.19	ug/L			04/26/12 12:59	1
Bromomethane	0.25	U	2.0	0.25	ug/L			04/26/12 12:59	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			04/26/12 12:59	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			04/26/12 12:59	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			04/26/12 12:59	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			04/26/12 12:59	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			04/26/12 12:59	1
Chloroethane	0.080	U	2.0	0.080	ug/L			04/26/12 12:59	1
Chloroform	0.13	U	1.0	0.13	ug/L			04/26/12 12:59	1
Chloromethane	0.18	U	2.0	0.18	ug/L			04/26/12 12:59	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			04/26/12 12:59	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			04/26/12 12:59	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			04/26/12 12:59	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			04/26/12 12:59	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			04/26/12 12:59	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			04/26/12 12:59	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			04/26/12 12:59	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			04/26/12 12:59	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			04/26/12 12:59	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			04/26/12 12:59	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			04/26/12 12:59	1
Styrene	0.070	U	1.0	0.070	ug/L			04/26/12 12:59	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			04/26/12 12:59	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			04/26/12 12:59	1
Toluene	0.15	U	1.0	0.15	ug/L			04/26/12 12:59	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			04/26/12 12:59	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			04/26/12 12:59	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			04/26/12 12:59	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			04/26/12 12:59	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			04/26/12 12:59	1
o-Xylene	0.12	U	1.0	0.12	ug/L			04/26/12 12:59	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			04/26/12 12:59	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			04/26/12 12:59	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			04/26/12 12:59	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			04/26/12 12:59	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			04/26/12 12:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*80*		*70 - 130*		*04/26/12 12:59*	*1*
Dibromofluoromethane	*71*		*62 - 130*		*04/26/12 12:59*	*1*
4-Bromofluorobenzene	*79*		*67 - 139*		*04/26/12 12:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*76*		*50 - 134*		*04/26/12 12:59*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-78061/5
Matrix: Water
Analysis Batch: 78061

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	14.9		ug/L		75	28 - 152
Benzene	10.0	9.08		ug/L		91	69 - 131
Chlorobromomethane	10.0	8.47		ug/L		85	60 - 141
Bromoform	10.0	6.41		ug/L		64	39 - 149
Bromomethane	10.0	9.11		ug/L		91	52 - 146
2-Butanone (MEK)	20.0	16.7		ug/L		84	59 - 133
Carbon disulfide	10.0	8.49		ug/L		85	32 - 177
Carbon tetrachloride	10.0	8.12		ug/L		81	59 - 147
Dibromochloromethane	10.0	7.03		ug/L		70	58 - 132
Chlorobenzene	10.0	8.76		ug/L		88	60 - 136
Chloroethane	10.0	9.56		ug/L		96	56 - 144
Chloroform	10.0	8.99		ug/L		90	69 - 128
Chloromethane	10.0	11.2		ug/L		112	32 - 151
1,1-Dichloroethane	10.0	9.55		ug/L		95	66 - 126
1,2-Dichloroethane	10.0	8.75		ug/L		87	66 - 140
1,1-Dichloroethene	10.0	8.42		ug/L		84	59 - 145
trans-1,2-Dichloroethene	10.0	9.51		ug/L		95	70 - 132
1,2-Dichloropropane	10.0	9.09		ug/L		91	72 - 125
cis-1,3-Dichloropropene	10.0	7.71		ug/L		77	60 - 135
trans-1,3-Dichloropropene	10.0	8.73		ug/L		87	63 - 133
Ethylbenzene	10.0	9.16		ug/L		92	68 - 128
2-Hexanone	20.0	17.0		ug/L		85	51 - 130
Methylene Chloride	10.0	8.78		ug/L		88	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	16.9		ug/L		85	56 - 142
Styrene	10.0	8.75		ug/L		87	68 - 133
1,1,2,2-Tetrachloroethane	10.0	7.96		ug/L		80	68 - 134
Tetrachloroethene	10.0	9.70		ug/L		97	61 - 142
Toluene	10.0	8.91		ug/L		89	67 - 130
1,1,1-Trichloroethane	10.0	9.04		ug/L		90	65 - 142
1,1,2-Trichloroethane	10.0	8.36		ug/L		84	68 - 130
Trichloroethene	10.0	9.01		ug/L		90	68 - 130
Vinyl acetate	10.0	11.7		ug/L		117	58 - 175
Vinyl chloride	10.0	9.35		ug/L		93	47 - 146
o-Xylene	10.0	8.93		ug/L		89	68 - 134
m-Xylene & p-Xylene	20.0	18.1		ug/L		91	67 - 132
Xylenes, Total	30.0	27.0		ug/L		90	68 - 132
cis-1,2-Dichloroethene	10.0	8.47		ug/L		85	69 - 129
Bromodichloromethane	10.0	7.45		ug/L		74	73 - 130
1,2-Dichloroethene, Total	20.0	18.0		ug/L		90	65 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*82*		*70 - 130*
Dibromofluoromethane	*75*		*62 - 130*
4-Bromofluorobenzene	*81*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*73*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Lab Sample ID: 600-53644-1 MS
Matrix: Water
Analysis Batch: 77856

Client Sample ID: MW-71-NPM-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone - DL	2000		40000	39700		ug/L		99	60 - 140
Benzene - DL	3200		20000	19900		ug/L		84	65 - 125
Chlorobromomethane - DL	360		20000	17200		ug/L		86	60 - 140
Bromoform - DL	380		20000	18800		ug/L		94	60 - 140
Bromomethane - DL	500		20000	15500		ug/L		77	60 - 140
2-Butanone (MEK) - DL	1500		40000	30400		ug/L		76	60 - 140
Carbon disulfide - DL	480		20000	11300	F	ug/L		56	60 - 140
Carbon tetrachloride - DL	300		20000	14200		ug/L		71	60 - 140
Dibromochloromethane - DL	300		20000	17600		ug/L		88	60 - 140
Chlorobenzene - DL	240		20000	20400		ug/L		102	72 - 122
Chloroethane - DL	160		20000	18800		ug/L		94	60 - 140
Chloroform - DL	260		20000	18500		ug/L		92	60 - 140
Chloromethane - DL	360		20000	13500		ug/L		68	60 - 140
1,1-Dichloroethane - DL	1300		20000	19100		ug/L		89	60 - 140
1,2-Dichloroethane - DL	45000		20000	53000	F	ug/L		39	60 - 140
1,1-Dichloroethene - DL	550		20000	14400		ug/L		69	22 - 143
trans-1,2-Dichloroethene - DL	850		20000	17600		ug/L		84	60 - 140
1,2-Dichloropropane - DL	320		20000	20700		ug/L		103	60 - 140
cis-1,3-Dichloropropene - DL	360		20000	20100		ug/L		101	60 - 140
trans-1,3-Dichloropropene - DL	420		20000	21100		ug/L		106	60 - 140
Ethylbenzene - DL	520		20000	24200		ug/L		118	60 - 140
2-Hexanone - DL	700		40000	36100		ug/L		90	60 - 140
Methylene Chloride - DL	300		20000	14600		ug/L		73	60 - 140
4-Methyl-2-pentanone (MIBK) - DL	900		40000	36400		ug/L		91	60 - 140
Styrene - DL	140		20000	23500		ug/L		117	60 - 140
1,1,2,2-Tetrachloroethane - DL	440		20000	21300		ug/L		106	60 - 140
Tetrachloroethene - DL	260		20000	21100		ug/L		106	60 - 140
Toluene - DL	300		20000	20600		ug/L		103	76 - 125
1,1,1-Trichloroethane - DL	300		20000	16800		ug/L		84	60 - 140
1,1,2-Trichloroethane - DL	7200		20000	24300		ug/L		86	60 - 140
Trichloroethene - DL	360		20000	20100		ug/L		101	56 - 118
Vinyl acetate - DL	420		20000	13400		ug/L		67	60 - 140
Vinyl chloride - DL	66000		20000	70900	F	ug/L		24	60 - 140
o-Xylene - DL	240		20000	22800		ug/L		114	60 - 140
m-Xylene & p-Xylene - DL	430		40000	46900		ug/L		116	60 - 140
Xylenes, Total - DL	520		60000	69700		ug/L		116	60 - 140
cis-1,2-Dichloroethene - DL	920		20000	17400		ug/L		82	60 - 140
Bromodichloromethane - DL	320		20000	18700		ug/L		93	60 - 140
1,2-Dichloroethene, Total - DL	1800		40000	35000		ug/L		83	60 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr) - DL	*87*		*70 - 130*
Dibromofluoromethane - DL	*73*		*62 - 130*
4-Bromofluorobenzene - DL	*87*		*67 - 139*
1,2-Dichloroethane-d4 (Surr) - DL	*65*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Lab Sample ID: 600-53644-1 MSD
Matrix: Water
Analysis Batch: 77856

Client Sample ID: MW-71-NPM-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone - DL	2000		40000	44400		ug/L		111	60 - 140	11	30
Benzene - DL	3200		20000	23900		ug/L		104	65 - 125	18	30
Chlorobromomethane - DL	360		20000	21300		ug/L		107	60 - 140	21	30
Bromoform - DL	380		20000	23600		ug/L		118	60 - 140	23	30
Bromomethane - DL	500		20000	17200		ug/L		86	60 - 140	11	30
2-Butanone (MEK) - DL	1500		40000	42200	F	ug/L		106	60 - 140	33	30
Carbon disulfide - DL	480		20000	13700		ug/L		69	60 - 140	20	30
Carbon tetrachloride - DL	300		20000	16800		ug/L		84	60 - 140	17	30
Dibromochloromethane - DL	300		20000	22400		ug/L		112	60 - 140	24	30
Chlorobenzene - DL	240		20000	24700	F	ug/L		124	72 - 122	19	30
Chloroethane - DL	160		20000	22500		ug/L		113	60 - 140	18	30
Chloroform - DL	260		20000	22800		ug/L		114	60 - 140	21	30
Chloromethane - DL	360		20000	15900		ug/L		80	60 - 140	16	30
1,1-Dichloroethane - DL	1300		20000	24000		ug/L		114	60 - 140	23	30
1,2-Dichloroethane - DL	45000		20000	66400		ug/L		106	60 - 140	22	30
1,1-Dichloroethene - DL	550		20000	17600		ug/L		85	22 - 143	20	30
trans-1,2-Dichloroethene - DL	850		20000	22300		ug/L		107	60 - 140	23	30
1,2-Dichloropropane - DL	320		20000	25000		ug/L		125	60 - 140	19	30
cis-1,3-Dichloropropene - DL	360		20000	24800		ug/L		124	60 - 140	21	30
trans-1,3-Dichloropropene - DL	420		20000	26500		ug/L		132	60 - 140	23	30
Ethylbenzene - DL	520		20000	29000	F	ug/L		143	60 - 140	18	30
2-Hexanone - DL	700		40000	44500		ug/L		111	60 - 140	21	30
Methylene Chloride - DL	300		20000	19300		ug/L		96	60 - 140	28	30
4-Methyl-2-pentanone (MIBK) - DL	900		40000	45400		ug/L		114	60 - 140	22	30
Styrene - DL	140		20000	29700	F	ug/L		149	60 - 140	23	30
1,1,2,2-Tetrachloroethane - DL	440		20000	26900		ug/L		135	60 - 140	23	30
Tetrachloroethene - DL	260		20000	24600		ug/L		123	60 - 140	15	30
Toluene - DL	300		20000	24300		ug/L		121	76 - 125	16	30
1,1,1-Trichloroethane - DL	300		20000	19700		ug/L		98	60 - 140	16	30
1,1,2-Trichloroethane - DL	7200		20000	31700		ug/L		123	60 - 140	26	30
Trichloroethene - DL	360		20000	23000		ug/L		115	56 - 118	13	30
Vinyl acetate - DL	420		20000	18100		ug/L		90	60 - 140	30	30
Vinyl chloride - DL	66000		20000	84800		ug/L		94	60 - 140	18	30
o-Xylene - DL	240		20000	27900		ug/L		140	60 - 140	20	30
m-Xylene & p-Xylene - DL	430		40000	57500	F	ug/L		143	60 - 140	20	30
Xylenes, Total - DL	520		60000	85400	F	ug/L		142	60 - 140	20	30
cis-1,2-Dichloroethene - DL	920		20000	21700		ug/L		104	60 - 140	22	30
Bromodichloromethane - DL	320		20000	23100		ug/L		116	60 - 140	21	30
1,2-Dichloroethene, Total - DL	1800		40000	44000		ug/L		106	60 - 140	23	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr) - DL	*100*		*70 - 130*
Dibromofluoromethane - DL	*88*		*62 - 130*
4-Bromofluorobenzene - DL	*108*		*67 - 139*
1,2-Dichloroethane-d4 (Surr) - DL	*82*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2

Lab Sample ID: 600-53644-8 MS
Matrix: Water
Analysis Batch: 77969

Client Sample ID: MW-4-NPM-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone - DL2	20000		400000	291000		ug/L		73	60 - 140
Benzene - DL2	3500		200000	201000		ug/L		99	65 - 125
Chlorobromomethane - DL2	3600		200000	186000		ug/L		93	60 - 140
Bromoform - DL2	3800		200000	192000		ug/L		96	60 - 140
Bromomethane - DL2	5000		200000	115000	F	ug/L		57	60 - 140
2-Butanone (MEK) - DL2	15000		400000	355000		ug/L		89	60 - 140
Carbon disulfide - DL2	4800		200000	165000		ug/L		82	60 - 140
Carbon tetrachloride - DL2	3000		200000	195000		ug/L		97	60 - 140
Dibromochloromethane - DL2	3000		200000	194000		ug/L		97	60 - 140
Chlorobenzene - DL2	2400		200000	195000		ug/L		98	72 - 122
Chloroethane - DL2	1600		200000	182000		ug/L		91	60 - 140
Chloroform - DL2	2600		200000	193000		ug/L		97	60 - 140
Chloromethane - DL2	3600		200000	175000		ug/L		88	60 - 140
1,1-Dichloroethane - DL2	3300		200000	176000		ug/L		87	60 - 140
1,2-Dichloroethane - DL2	46000		200000	269000		ug/L		111	60 - 140
1,1-Dichloroethene - DL2	5300		200000	154000		ug/L		74	22 - 143
trans-1,2-Dichloroethene - DL2	6900		200000	180000		ug/L		86	60 - 140
1,2-Dichloropropane - DL2	3200		200000	204000		ug/L		102	60 - 140
cis-1,3-Dichloropropene - DL2	3600		200000	224000		ug/L		112	60 - 140
trans-1,3-Dichloropropene - DL2	4200		200000	212000		ug/L		106	60 - 140
Ethylbenzene - DL2	2400		200000	191000		ug/L		94	60 - 140
2-Hexanone - DL2	7000		400000	239000		ug/L		60	60 - 140
Methylene Chloride - DL2	38000		200000	200000		ug/L		81	60 - 140
4-Methyl-2-pentanone (MIBK) - DL2	9000		400000	299000		ug/L		75	60 - 140
Styrene - DL2	1400		200000	180000		ug/L		90	60 - 140
1,1,2,2-Tetrachloroethane - DL2	4400		200000	166000		ug/L		83	60 - 140
Tetrachloroethene - DL2	2600		200000	186000		ug/L		93	60 - 140
Toluene - DL2	3000		200000	216000		ug/L		108	76 - 125
1,1,1-Trichloroethane - DL2	3000		200000	204000		ug/L		102	60 - 140
1,1,2-Trichloroethane - DL2	5600		200000	180000		ug/L		90	60 - 140
Trichloroethene - DL2	3600		200000	205000		ug/L		102	56 - 118
Vinyl acetate - DL2	4200		200000	93400	F	ug/L		47	60 - 140
Vinyl chloride - DL2	180000		200000	397000		ug/L		107	60 - 140
o-Xylene - DL2	2400		200000	195000		ug/L		97	60 - 140
m-Xylene & p-Xylene - DL2	3400		400000	394000		ug/L		98	60 - 140
Xylenes, Total - DL2	5200		600000	589000		ug/L		98	60 - 140
cis-1,2-Dichloroethene - DL2	5300		200000	187000		ug/L		91	60 - 140
Bromodichloromethane - DL2	3200		200000	183000		ug/L		92	60 - 140
1,2-Dichloroethene, Total - DL2	12000		400000	367000		ug/L		89	60 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr) - DL2	*107*		*70 - 130*
Dibromofluoromethane - DL2	*96*		*62 - 130*
4-Bromofluorobenzene - DL2	*108*		*67 - 139*
1,2-Dichloroethane-d4 (Surr) - DL2	*110*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2 (Continued)

Lab Sample ID: 600-53644-8 MSD
Matrix: Water
Analysis Batch: 77969

Client Sample ID: MW-4-NPM-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone - DL2	20000		400000	316000		ug/L		79	60 - 140	8	30
Benzene - DL2	3500		200000	220000		ug/L		108	65 - 125	9	30
Chlorobromomethane - DL2	3600		200000	194000		ug/L		97	60 - 140	5	30
Bromoform - DL2	3800		200000	187000		ug/L		93	60 - 140	3	30
Bromomethane - DL2	5000		200000	152000		ug/L		76	60 - 140	28	30
2-Butanone (MEK) - DL2	15000		400000	381000		ug/L		95	60 - 140	7	30
Carbon disulfide - DL2	4800		200000	176000		ug/L		88	60 - 140	7	30
Carbon tetrachloride - DL2	3000		200000	219000		ug/L		110	60 - 140	12	30
Dibromochloromethane - DL2	3000		200000	197000		ug/L		98	60 - 140	1	30
Chlorobenzene - DL2	2400		200000	201000		ug/L		101	72 - 122	3	30
Chloroethane - DL2	1600		200000	196000		ug/L		98	60 - 140	7	30
Chloroform - DL2	2600		200000	196000		ug/L		98	60 - 140	1	30
Chloromethane - DL2	3600		200000	201000		ug/L		100	60 - 140	14	30
1,1-Dichloroethane - DL2	3300		200000	191000		ug/L		94	60 - 140	8	30
1,2-Dichloroethane - DL2	46000		200000	291000		ug/L		122	60 - 140	8	30
1,1-Dichloroethene - DL2	5300		200000	164000		ug/L		79	22 - 143	6	30
trans-1,2-Dichloroethene - DL2	6900		200000	192000		ug/L		93	60 - 140	7	30
1,2-Dichloropropane - DL2	3200		200000	211000		ug/L		106	60 - 140	4	30
cis-1,3-Dichloropropene - DL2	3600		200000	237000		ug/L		118	60 - 140	6	30
trans-1,3-Dichloropropene - DL2	4200		200000	221000		ug/L		110	60 - 140	4	30
Ethylbenzene - DL2	2400		200000	200000		ug/L		99	60 - 140	5	30
2-Hexanone - DL2	7000		400000	333000	F	ug/L		83	60 - 140	33	30
Methylene Chloride - DL2	38000		200000	215000		ug/L		88	60 - 140	7	30
4-Methyl-2-pentanone (MIBK) - DL2	9000		400000	357000		ug/L		89	60 - 140	18	30
Styrene - DL2	1400		200000	192000		ug/L		96	60 - 140	7	30
1,1,2,2-Tetrachloroethane - DL2	4400		200000	189000		ug/L		94	60 - 140	13	30
Tetrachloroethene - DL2	2600		200000	204000		ug/L		102	60 - 140	9	30
Toluene - DL2	3000		200000	212000		ug/L		106	76 - 125	1	30
1,1,1-Trichloroethane - DL2	3000		200000	225000		ug/L		112	60 - 140	10	30
1,1,2-Trichloroethane - DL2	5600		200000	188000		ug/L		94	60 - 140	4	30
Trichloroethene - DL2	3600		200000	210000		ug/L		105	56 - 118	3	30
Vinyl acetate - DL2	4200		200000	107000	F	ug/L		53	60 - 140	13	30
Vinyl chloride - DL2	180000		200000	415000		ug/L		116	60 - 140	5	30
o-Xylene - DL2	2400		200000	199000		ug/L		100	60 - 140	2	30
m-Xylene & p-Xylene - DL2	3400		400000	398000		ug/L		99	60 - 140	1	30
Xylenes, Total - DL2	5200		600000	597000		ug/L		100	60 - 140	1	30
cis-1,2-Dichloroethene - DL2	5300		200000	191000		ug/L		93	60 - 140	2	30
Bromodichloromethane - DL2	3200		200000	190000		ug/L		95	60 - 140	4	30
1,2-Dichloroethene, Total - DL2	12000		400000	383000		ug/L		93	60 - 140	4	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr) - DL2	*109*		*70 - 130*
Dibromofluoromethane - DL2	*100*		*62 - 130*
4-Bromofluorobenzene - DL2	*104*		*67 - 139*
1,2-Dichloroethane-d4 (Surr) - DL2	*113*		*50 - 134*

QC Association Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-53644-1

GC/MS VOA

Analysis Batch: 77680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-53644-1	MW-71-NPM-2	Total/NA	Water	8260B	
600-53644-2	MW-65-NPM-2	Total/NA	Water	8260B	
600-53644-10	Trip Blank	Total/NA	Water	8260B	
LCS 600-77680/2	Lab Control Sample	Total/NA	Water	8260B	
MB 600-77680/3	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 77856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-53644-1 - DL	MW-71-NPM-2	Total/NA	Water	8260B	
600-53644-1 MS - DL	MW-71-NPM-2	Total/NA	Water	8260B	
600-53644-1 MSD - DL	MW-71-NPM-2	Total/NA	Water	8260B	
600-53644-2 - DL	MW-65-NPM-2	Total/NA	Water	8260B	
600-53644-3	MW-8-NPM-2	Total/NA	Water	8260B	
600-53644-3 - DL	MW-8-NPM-2	Total/NA	Water	8260B	
600-53644-4	MW-11-NPM-2	Total/NA	Water	8260B	
600-53644-4 - DL	MW-11-NPM-2	Total/NA	Water	8260B	
600-53644-5 - DL	MW-40-NPM-2	Total/NA	Water	8260B	
600-53644-9	DUP-NPM-2	Total/NA	Water	8260B	
600-53644-9 - DL	DUP-NPM-2	Total/NA	Water	8260B	
LCS 600-77856/2	Lab Control Sample	Total/NA	Water	8260B	
MB 600-77856/3	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 77922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-53644-5	MW-40-NPM-2	Total/NA	Water	8260B	
600-53644-6	MW-68-NPM-2	Total/NA	Water	8260B	
600-53644-7	MW-66-NPM-2	Total/NA	Water	8260B	
600-53644-8	MW-4-NPM-2	Total/NA	Water	8260B	
LCS 600-77922/3	Lab Control Sample	Total/NA	Water	8260B	
MB 600-77922/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 77969

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-53644-6 - DL	MW-68-NPM-2	Total/NA	Water	8260B	
600-53644-7 - DL2	MW-66-NPM-2	Total/NA	Water	8260B	
600-53644-8 - DL	MW-4-NPM-2	Total/NA	Water	8260B	
600-53644-8 - DL2	MW-4-NPM-2	Total/NA	Water	8260B	
600-53644-8 MS - DL2	MW-4-NPM-2	Total/NA	Water	8260B	
600-53644-8 MSD - DL2	MW-4-NPM-2	Total/NA	Water	8260B	
LCS 600-77969/3	Lab Control Sample	Total/NA	Water	8260B	
MB 600-77969/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 78061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-53644-7 - DL	MW-66-NPM-2	Total/NA	Water	8260B	
LCS 600-78061/5	Lab Control Sample	Total/NA	Water	8260B	
MB 600-78061/6	Method Blank	Total/NA	Water	8260B	

Lab Chronicle

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-53644-1

Client Sample ID: MW-71-NPM-2 — Lab Sample ID: 600-53644-1

Date Collected: 04/17/12 08:45 — **Matrix: Water**
Date Received: 04/17/12 12:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		100	77680	04/21/12 02:04	WS	TAL HOU
Total/NA	Analysis	8260B	DL	2000	77856	04/24/12 10:39	WS	TAL HOU

Client Sample ID: MW-65-NPM-2 — Lab Sample ID: 600-53644-2

Date Collected: 04/17/12 09:00 — **Matrix: Water**
Date Received: 04/17/12 12:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		100	77680	04/21/12 02:26	WS	TAL HOU
Total/NA	Analysis	8260B	DL	10000	77856	04/24/12 11:02	WS	TAL HOU

Client Sample ID: MW-8-NPM-2 — Lab Sample ID: 600-53644-3

Date Collected: 04/17/12 09:25 — **Matrix: Water**
Date Received: 04/17/12 12:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	77856	04/24/12 14:12	WS	TAL HOU
Total/NA	Analysis	8260B	DL	100	77856	04/24/12 12:19	WS	TAL HOU

Client Sample ID: MW-11-NPM-2 — Lab Sample ID: 600-53644-4

Date Collected: 04/17/12 09:40 — **Matrix: Water**
Date Received: 04/17/12 12:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		100	77856	04/24/12 13:27	WS	TAL HOU
Total/NA	Analysis	8260B	DL	2000	77856	04/24/12 14:35	WS	TAL HOU

Client Sample ID: MW-40-NPM-2 — Lab Sample ID: 600-53644-5

Date Collected: 04/17/12 09:55 — **Matrix: Water**
Date Received: 04/17/12 12:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	100	77856	04/24/12 13:50	WS	TAL HOU
Total/NA	Analysis	8260B		20	77922	04/24/12 22:57	WS	TAL HOU

Client Sample ID: MW-68-NPM-2 — Lab Sample ID: 600-53644-6

Date Collected: 04/17/12 10:10 — **Matrix: Water**
Date Received: 04/17/12 12:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		100	77922	04/24/12 23:20	WS	TAL HOU
Total/NA	Analysis	8260B	DL	1000	77969	04/25/12 15:32	DT	TAL HOU

Lab Chronicle

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-53644-1

Client Sample ID: MW-66-NPM-2

Lab Sample ID: 600-53644-7

Date Collected: 04/17/12 10:25
Matrix: Water
Date Received: 04/17/12 12:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		100	77922	04/24/12 23:43	WS	TAL HOU
Total/NA	Analysis	8260B	DL2	10000	77969	04/25/12 15:59	DT	TAL HOU
Total/NA	Analysis	8260B	DL	500	78061	04/26/12 20:37	DT	TAL HOU

Client Sample ID: MW-4-NPM-2

Lab Sample ID: 600-53644-8

Date Collected: 04/17/12 10:40
Matrix: Water
Date Received: 04/17/12 12:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		100	77922	04/25/12 00:05	WS	TAL HOU
Total/NA	Analysis	8260B	DL	500	77969	04/25/12 13:42	DT	TAL HOU
Total/NA	Analysis	8260B	DL2	20000	77969	04/25/12 15:04	DT	TAL HOU

Client Sample ID: DUP-NPM-2

Lab Sample ID: 600-53644-9

Date Collected: 04/17/12 00:00
Matrix: Water
Date Received: 04/17/12 12:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		100	77856	04/24/12 12:41	WS	TAL HOU
Total/NA	Analysis	8260B	DL	2000	77856	04/24/12 13:04	WS	TAL HOU

Client Sample ID: Trip Blank

Lab Sample ID: 600-53644-10

Date Collected: 04/17/12 00:00
Matrix: Water
Date Received: 04/17/12 12:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	77680	04/21/12 01:41	WS	TAL HOU

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Certification Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-53644-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Houston	Arkansas DEQ	State Program	6	88-0759
TestAmerica Houston	Louisiana	NELAC	6	30643
TestAmerica Houston	Oklahoma	State Program	6	9503
TestAmerica Houston	Texas	NELAC	6	T104704223-10-6-TX
TestAmerica Houston	USDA	Federal		P330-08-00217
TestAmerica Houston	Utah	NELAC	8	GULF

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-53644-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL HOU

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Sample Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-53644-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
600-53644-1	MW-71-NPM-2	Water	04/17/12 08:45	04/17/12 12:14
600-53644-2	MW-65-NPM-2	Water	04/17/12 09:00	04/17/12 12:14
600-53644-3	MW-8-NPM-2	Water	04/17/12 09:25	04/17/12 12:14
600-53644-4	MW-11-NPM-2	Water	04/17/12 09:40	04/17/12 12:14
600-53644-5	MW-40-NPM-2	Water	04/17/12 09:55	04/17/12 12:14
600-53644-6	MW-68-NPM-2	Water	04/17/12 10:10	04/17/12 12:14
600-53644-7	MW-66-NPM-2	Water	04/17/12 10:25	04/17/12 12:14
600-53644-8	MW-4-NPM-2	Water	04/17/12 10:40	04/17/12 12:14
600-53644-9	DUP-NPM-2	Water	04/17/12 00:00	04/17/12 12:14
600-53644-10	Trip Blank	Water	04/17/12 00:00	04/17/12 12:14

TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Phone (713) 690-4444 Fax (713) 690-5646

Chain of Custody Record

TestAmerica

4/29/2012

Client Information			
Sampler: Kelt	Lab PM: Kudchadkar, Sachin G	Carrier Tracking No(s):	COC No: 600-11558-5028.1
Client Contact: Ms. Kate Hamel	Phone: 713-522-6300	E-Mail: sachin.kudchadkar@testamericainc.com	Page: Page 1 of 1
Company: Groundwater Services, Inc.			Job #: G-3460
Address: 2211 Norfolk, Suite 1000	Due Date Requested:		
City: Houston	TAT Requested (days): STANDARD		
State, Zip: TX, 77098-4044			
Phone: 713-522-6300(Tel)	PO #: Purchase Order not requir		
Email: kchamel@gsi-net.com, tem@gsi-net.com	WO #:		
Project Name: G-3460	Project #: 60002425		
Site: N-80	SSOW#:		

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B_LL - Target Compound List	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
MW-71-NPM-2	4/17/12	845	G	Water			✓		
MW-65-NPM-2		900		Water			✓		
MW-8-NPM-2		925		Water			✓		
MW-11-NPM-2		940		Water			✓		
MW-40-NPM-2		955		Water			✓		
MW-68-NPM-2		1010		Water			✓		
MW-66-NPM-2		1025		Water			✓		
MW-4-NPM-2		1040		Water			✓		
DUP-NPM-2		—		Water			✓		
TRIP BLANK		—		Water			✓		
				Water					

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) STANDARD

Special Instructions/QC Requirements: STANDARD QA/QC

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: Kate Hamel	Date/Time: 4/17/12 1215	Company: GSI	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by: Donna Cepos	Date/Time: 4/17/12 1214	Company: TAL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks:

Login Sample Receipt Checklist

Client: Groundwater Services, Inc.

Job Number: 600-53644-1

Login Number: 53644
List Number: 1
Creator: Capps, Dana

List Source: TestAmerica Houston

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	False	Received same day of collection; chilling process has begun.
Cooler Temperature is recorded.	True	9.2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Tel: (713)690-4444

TestAmerica Job ID: 600-52463-1
Client Project/Site: G-3460 N-80

For:
Groundwater Services, Inc.
2211 Norfolk, Suite 1000
Houston, Texas 77098-4044

Attn: Ms. Kate Hamel

Lori Parsons

Authorized for release by:
4/5/2012 4:38:47 PM
Lori Parsons
Project Manager I
lori.parsons@testamericainc.com

Designee for

Sachin Kudchadkar
Project Manager II
sachin.kudchadkar@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-52463-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F	MS or MSD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-52463-1

Job ID: 600-52463-1

Laboratory: TestAmerica Houston

Narrative

Job Narrative
600-52463-1

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
Method(s) 8260B: All samples required multiple dilutions due to the abundance of target analytes. Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries associated with batch 76201 were below the control limits for vinyl chloride: (600-52463-3 MS), (600-52463-3 MSD). Matrix interference is suspected. The acceptable LCS analyses data indicated the analytical system was within control.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries associated with batch 76373 were below the control limits for chloromethane: (600-52463-4 MS), (600-52463-4 MSD). Matrix interference is suspected. The acceptable LCS analyses data indicated the analytical system was within control.

No other analytical or quality issues were noted.

Detection Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-52463-1

Client Sample ID: MW-71-SS-2 — Lab Sample ID: 600-52463-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3700		250	50	ug/L	50		8260B	Total/NA
2-Butanone (MEK)	450		100	38	ug/L	50		8260B	Total/NA
Carbon disulfide	15	J	100	12	ug/L	50		8260B	Total/NA
Chlorobenzene	180		50	6.0	ug/L	50		8260B	Total/NA
1,1-Dichloroethane	1400		50	5.5	ug/L	50		8260B	Total/NA
1,1-Dichloroethene	710		50	9.5	ug/L	50		8260B	Total/NA
trans-1,2-Dichloroethene	1400		50	4.5	ug/L	50		8260B	Total/NA
Ethylbenzene	1100		50	5.5	ug/L	50		8260B	Total/NA
Methylene Chloride	160	J	250	7.5	ug/L	50		8260B	Total/NA
Tetrachloroethene	46	J	50	6.5	ug/L	50		8260B	Total/NA
Toluene	160		50	7.5	ug/L	50		8260B	Total/NA
Trichloroethene	200		50	9.0	ug/L	50		8260B	Total/NA
o-Xylene	13	J	50	6.0	ug/L	50		8260B	Total/NA
m-Xylene & p-Xylene	23	J	50	8.5	ug/L	50		8260B	Total/NA
Xylenes, Total	36	J	50	13	ug/L	50		8260B	Total/NA
cis-1,2-Dichloroethene	880		50	3.0	ug/L	50		8260B	Total/NA
1,2-Dichloroethene, Total	2300		50	15	ug/L	50		8260B	Total/NA
Benzene - DL	4700		500	40	ug/L	500		8260B	Total/NA
1,1,2-Trichloroethane - DL	12000		500	140	ug/L	500		8260B	Total/NA
1,2-Dichloroethane - DL2	67000		5000	700	ug/L	5000		8260B	Total/NA
Vinyl chloride - DL2	69000		10000	550	ug/L	5000		8260B	Total/NA

Client Sample ID: MW-65-SS-2 — Lab Sample ID: 600-52463-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	1100		50	6.0	ug/L	50		8260B	Total/NA
Chloroform	8.3	J	50	6.5	ug/L	50		8260B	Total/NA
1,2-Dichloroethane	270		50	7.0	ug/L	50		8260B	Total/NA
1,1-Dichloroethene	230		50	9.5	ug/L	50		8260B	Total/NA
trans-1,2-Dichloroethene	2400		50	4.5	ug/L	50		8260B	Total/NA
Ethylbenzene	860		50	5.5	ug/L	50		8260B	Total/NA
Styrene	25	J	50	3.5	ug/L	50		8260B	Total/NA
Tetrachloroethene	35	J	50	6.5	ug/L	50		8260B	Total/NA
Toluene	230		50	7.5	ug/L	50		8260B	Total/NA
Trichloroethene	110		50	9.0	ug/L	50		8260B	Total/NA
o-Xylene	27	J	50	6.0	ug/L	50		8260B	Total/NA
m-Xylene & p-Xylene	45	J	50	8.5	ug/L	50		8260B	Total/NA
Xylenes, Total	72		50	13	ug/L	50		8260B	Total/NA
cis-1,2-Dichloroethene	110		50	3.0	ug/L	50		8260B	Total/NA
1,2-Dichloroethene, Total	2500		50	15	ug/L	50		8260B	Total/NA
Benzene - DL	3300		500	40	ug/L	500		8260B	Total/NA
1,1-Dichloroethane - DL	2900		500	55	ug/L	500		8260B	Total/NA
Vinyl chloride - DL2	180000		10000	550	ug/L	5000		8260B	Total/NA

Client Sample ID: MW-8-SS-2 — Lab Sample ID: 600-52463-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	170		10	0.80	ug/L	10		8260B	Total/NA
Chlorobenzene	10		10	1.2	ug/L	10		8260B	Total/NA
1,1-Dichloroethane	57		10	1.1	ug/L	10		8260B	Total/NA
1,2-Dichloroethane	16		10	1.4	ug/L	10		8260B	Total/NA
1,1-Dichloroethene	180		10	1.9	ug/L	10		8260B	Total/NA
trans-1,2-Dichloroethene	93		10	0.90	ug/L	10		8260B	Total/NA
Ethylbenzene	48		10	1.1	ug/L	10		8260B	Total/NA

Client Sample ID: MW-8-SS-2 (Continued) — Lab Sample ID: 600-52463-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	16		10	1.5	ug/L	10		8260B	Total/NA
Trichloroethene	8.3	J	10	1.8	ug/L	10		8260B	Total/NA
cis-1,2-Dichloroethene	15		10	0.60	ug/L	10		8260B	Total/NA
1,2-Dichloroethene, Total	110		10	3.0	ug/L	10		8260B	Total/NA
Vinyl chloride - DL	8600		1000	55	ug/L	500		8260B	Total/NA

Client Sample ID: MW-11-SS-2 — Lab Sample ID: 600-52463-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	170		50	4.0	ug/L	50		8260B	Total/NA
Chlorobenzene	450		50	6.0	ug/L	50		8260B	Total/NA
1,1-Dichloroethane	1400		50	5.5	ug/L	50		8260B	Total/NA
1,1-Dichloroethene	770		50	9.5	ug/L	50		8260B	Total/NA
Ethylbenzene	35	J	50	5.5	ug/L	50		8260B	Total/NA
Methylene Chloride	58	J	250	7.5	ug/L	50		8260B	Total/NA
Toluene	17	J	50	7.5	ug/L	50		8260B	Total/NA
Trichloroethene	1000		50	9.0	ug/L	50		8260B	Total/NA
1,2-Dichloroethane - DL	2900		500	70	ug/L	500		8260B	Total/NA
trans-1,2-Dichloroethene - DL	2700		500	45	ug/L	500		8260B	Total/NA
cis-1,2-Dichloroethene - DL	4700		500	30	ug/L	500		8260B	Total/NA
1,2-Dichloroethene, Total - DL	7400		500	150	ug/L	500		8260B	Total/NA
Vinyl chloride - DL2	27000		4000	220	ug/L	2000		8260B	Total/NA

Client Sample ID: MW-40-SS-2 — Lab Sample ID: 600-52463-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	80		50	4.0	ug/L	50		8260B	Total/NA
Chlorobenzene	300		50	6.0	ug/L	50		8260B	Total/NA
1,1-Dichloroethane	320		50	5.5	ug/L	50		8260B	Total/NA
trans-1,2-Dichloroethene	18	J	50	4.5	ug/L	50		8260B	Total/NA
Ethylbenzene	93		50	5.5	ug/L	50		8260B	Total/NA
Methylene Chloride	46	J	250	7.5	ug/L	50		8260B	Total/NA
Toluene	22	J	50	7.5	ug/L	50		8260B	Total/NA
1,2-Dichloroethene, Total	18	J	50	15	ug/L	50		8260B	Total/NA
Vinyl chloride - DL	2300		400	22	ug/L	200		8260B	Total/NA

Client Sample ID: MW-68-SS-2 — Lab Sample ID: 600-52463-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	200		50	4.0	ug/L	50		8260B	Total/NA
Chlorobenzene	60		50	6.0	ug/L	50		8260B	Total/NA
1,1-Dichloroethane	170		50	5.5	ug/L	50		8260B	Total/NA
1,1-Dichloroethene	11	J	50	9.5	ug/L	50		8260B	Total/NA
trans-1,2-Dichloroethene	790		50	4.5	ug/L	50		8260B	Total/NA
Ethylbenzene	470		50	5.5	ug/L	50		8260B	Total/NA
Methylene Chloride	40	J	250	7.5	ug/L	50		8260B	Total/NA
Toluene	72		50	7.5	ug/L	50		8260B	Total/NA
cis-1,2-Dichloroethene	34	J	50	3.0	ug/L	50		8260B	Total/NA
1,2-Dichloroethene, Total	820		50	15	ug/L	50		8260B	Total/NA
Vinyl chloride - DL	10000		1000	55	ug/L	500		8260B	Total/NA

Client Sample ID: MW-66-SS-2 — Lab Sample ID: 600-52463-7

Client Sample ID: MW-66-SS-2 (Continued) — Lab Sample ID: 600-52463-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	930		250	50	ug/L	50		8260B	Total/NA
2-Butanone (MEK)	210		100	38	ug/L	50		8260B	Total/NA
Chlorobenzene	1800		50	6.0	ug/L	50		8260B	Total/NA
Chloroform	33	J	50	6.5	ug/L	50		8260B	Total/NA
1,1-Dichloroethene	2200		50	9.5	ug/L	50		8260B	Total/NA
Methylene Chloride	280		250	7.5	ug/L	50		8260B	Total/NA
Styrene	1600		50	3.5	ug/L	50		8260B	Total/NA
1,1,2,2-Tetrachloroethane	200		50	11	ug/L	50		8260B	Total/NA
Tetrachloroethene	160		50	6.5	ug/L	50		8260B	Total/NA
Trichloroethene	1300		50	9.0	ug/L	50		8260B	Total/NA
o-Xylene	24	J	50	6.0	ug/L	50		8260B	Total/NA
m-Xylene & p-Xylene	29	J	50	8.5	ug/L	50		8260B	Total/NA
Xylenes, Total	53		50	13	ug/L	50		8260B	Total/NA
Benzene - DL	6500		500	40	ug/L	500		8260B	Total/NA
1,1-Dichloroethane - DL	2600		500	55	ug/L	500		8260B	Total/NA
trans-1,2-Dichloroethene - DL	2600		500	45	ug/L	500		8260B	Total/NA
Ethylbenzene - DL	4300		500	55	ug/L	500		8260B	Total/NA
Toluene - DL	2400		500	75	ug/L	500		8260B	Total/NA
cis-1,2-Dichloroethene - DL	1200		500	30	ug/L	500		8260B	Total/NA
1,2-Dichloroethene, Total - DL	3800		500	150	ug/L	500		8260B	Total/NA
1,2-Dichloroethane - DL2	160000		5000	700	ug/L	5000		8260B	Total/NA
1,1,2-Trichloroethane - DL2	110000		5000	1400	ug/L	5000		8260B	Total/NA
Vinyl chloride - DL2	71000		10000	550	ug/L	5000		8260B	Total/NA

Client Sample ID: MW-4-SS-2 — Lab Sample ID: 600-52463-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	91	J	100	38	ug/L	50		8260B	Total/NA
Chlorobenzene	1100		50	6.0	ug/L	50		8260B	Total/NA
Ethylbenzene	870		50	5.5	ug/L	50		8260B	Total/NA
Methylene Chloride	34	J	250	7.5	ug/L	50		8260B	Total/NA
Styrene	19	J	50	3.5	ug/L	50		8260B	Total/NA
Tetrachloroethene	450		50	6.5	ug/L	50		8260B	Total/NA
Toluene	270		50	7.5	ug/L	50		8260B	Total/NA
1,1,2-Trichloroethane	73		50	14	ug/L	50		8260B	Total/NA
Trichloroethene	1900		50	9.0	ug/L	50		8260B	Total/NA
o-Xylene	24	J	50	6.0	ug/L	50		8260B	Total/NA
m-Xylene & p-Xylene	45	J	50	8.5	ug/L	50		8260B	Total/NA
Xylenes, Total	69		50	13	ug/L	50		8260B	Total/NA
Benzene - DL	4300		500	40	ug/L	500		8260B	Total/NA
1,1-Dichloroethane - DL	4700		500	55	ug/L	500		8260B	Total/NA
1,1-Dichloroethene - DL	7800		500	95	ug/L	500		8260B	Total/NA
trans-1,2-Dichloroethene - DL	9400		500	45	ug/L	500		8260B	Total/NA
cis-1,2-Dichloroethene - DL	4500		500	30	ug/L	500		8260B	Total/NA
1,2-Dichloroethene, Total - DL	14000		500	150	ug/L	500		8260B	Total/NA
1,2-Dichloroethane - DL2	64000		5000	700	ug/L	5000		8260B	Total/NA
Vinyl chloride - DL2	220000		10000	550	ug/L	5000		8260B	Total/NA

Client Sample Results

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-52463-1

Client Sample ID: MW-71-SS-2

Date Collected: 03/22/12 09:20
Date Received: 03/22/12 12:58

Lab Sample ID: 600-52463-1

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**3700**		250	50	ug/L			03/28/12 15:02	50
Chlorobromomethane	9.0	U	50	9.0	ug/L			03/28/12 15:02	50
Bromoform	9.5	U	50	9.5	ug/L			03/28/12 15:02	50
Bromomethane	13	U	100	13	ug/L			03/28/12 15:02	50
2-Butanone (MEK)	**450**		100	38	ug/L			03/28/12 15:02	50
Carbon disulfide	**15**	**J**	100	12	ug/L			03/28/12 15:02	50
Carbon tetrachloride	7.5	U	50	7.5	ug/L			03/28/12 15:02	50
Dibromochloromethane	7.5	U	50	7.5	ug/L			03/28/12 15:02	50
Chlorobenzene	**180**		50	6.0	ug/L			03/28/12 15:02	50
Chloroethane	4.0	U	100	4.0	ug/L			03/28/12 15:02	50
Chloroform	6.5	U	50	6.5	ug/L			03/28/12 15:02	50
Chloromethane	9.0	U	100	9.0	ug/L			03/28/12 15:02	50
1,1-Dichloroethane	**1400**		50	5.5	ug/L			03/28/12 15:02	50
1,1-Dichloroethene	**710**		50	9.5	ug/L			03/28/12 15:02	50
trans-1,2-Dichloroethene	**1400**		50	4.5	ug/L			03/28/12 15:02	50
1,2-Dichloropropane	8.0	U	50	8.0	ug/L			03/28/12 15:02	50
cis-1,3-Dichloropropene	9.0	U	50	9.0	ug/L			03/28/12 15:02	50
trans-1,3-Dichloropropene	11	U	50	11	ug/L			03/28/12 15:02	50
Ethylbenzene	**1100**		50	5.5	ug/L			03/28/12 15:02	50
2-Hexanone	18	U	100	18	ug/L			03/28/12 15:02	50
Methylene Chloride	**160**	**J**	250	7.5	ug/L			03/28/12 15:02	50
4-Methyl-2-pentanone (MIBK)	23	U	100	23	ug/L			03/28/12 15:02	50
Styrene	3.5	U	50	3.5	ug/L			03/28/12 15:02	50
1,1,2,2-Tetrachloroethane	11	U	50	11	ug/L			03/28/12 15:02	50
Tetrachloroethene	**46**	**J**	50	6.5	ug/L			03/28/12 15:02	50
Toluene	**160**		50	7.5	ug/L			03/28/12 15:02	50
1,1,1-Trichloroethane	7.5	U	50	7.5	ug/L			03/28/12 15:02	50
Trichloroethene	**200**		50	9.0	ug/L			03/28/12 15:02	50
Vinyl acetate	11	U	100	11	ug/L			03/28/12 15:02	50
o-Xylene	**13**	**J**	50	6.0	ug/L			03/28/12 15:02	50
m-Xylene & p-Xylene	**23**	**J**	50	8.5	ug/L			03/28/12 15:02	50
Xylenes, Total	**36**	**J**	50	13	ug/L			03/28/12 15:02	50
cis-1,2-Dichloroethene	**880**		50	3.0	ug/L			03/28/12 15:02	50
Bromodichloromethane	8.0	U	50	8.0	ug/L			03/28/12 15:02	50
1,2-Dichloroethene, Total	**2300**		50	15	ug/L			03/28/12 15:02	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*91*		*70 - 130*		*03/28/12 15:02*	*50*
Dibromofluoromethane	*87*		*62 - 130*		*03/28/12 15:02*	*50*
4-Bromofluorobenzene	*91*		*67 - 139*		*03/28/12 15:02*	*50*
1,2-Dichloroethane-d4 (Surr)	*86*		*50 - 134*		*03/28/12 15:02*	*50*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**4700**		500	40	ug/L			03/28/12 18:58	500
1,1,2-Trichloroethane	**12000**		500	140	ug/L			03/28/12 18:58	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*91*		*70 - 130*		*03/28/12 18:58*	*500*
Dibromofluoromethane	*84*		*62 - 130*		*03/28/12 18:58*	*500*
4-Bromofluorobenzene	*96*		*67 - 139*		*03/28/12 18:58*	*500*

Client Sample ID: MW-71-SS-2

Lab Sample ID: 600-52463-1

Date Collected: 03/22/12 09:20

Matrix: Water

Date Received: 03/22/12 12:58

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	83		50 - 134		03/28/12 18:58	500

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	**67000**		5000	700	ug/L			03/28/12 19:26	5000
Vinyl chloride	**69000**		10000	550	ug/L			03/28/12 19:26	5000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	89		70 - 130		03/28/12 19:26	5000
Dibromofluoromethane	87		62 - 130		03/28/12 19:26	5000
4-Bromofluorobenzene	91		67 - 139		03/28/12 19:26	5000
1,2-Dichloroethane-d4 (Surr)	85		50 - 134		03/28/12 19:26	5000

Client Sample ID: MW-65-SS-2

Lab Sample ID: 600-52463-2

Date Collected: 03/22/12 09:35

Matrix: Water

Date Received: 03/22/12 12:58

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	50	U	250	50	ug/L			03/28/12 20:48	50
Chlorobromomethane	9.0	U	50	9.0	ug/L			03/28/12 20:48	50
Bromoform	9.5	U	50	9.5	ug/L			03/28/12 20:48	50
Bromomethane	13	U	100	13	ug/L			03/28/12 20:48	50
2-Butanone (MEK)	38	U	100	38	ug/L			03/28/12 20:48	50
Carbon disulfide	12	U	100	12	ug/L			03/28/12 20:48	50
Carbon tetrachloride	7.5	U	50	7.5	ug/L			03/28/12 20:48	50
Dibromochloromethane	7.5	U	50	7.5	ug/L			03/28/12 20:48	50
Chlorobenzene	**1100**		50	6.0	ug/L			03/28/12 20:48	50
Chloroethane	4.0	U	100	4.0	ug/L			03/28/12 20:48	50
Chloroform	**8.3**	**J**	50	6.5	ug/L			03/28/12 20:48	50
Chloromethane	9.0	U	100	9.0	ug/L			03/28/12 20:48	50
1,2-Dichloroethane	**270**		50	7.0	ug/L			03/28/12 20:48	50
1,1-Dichloroethene	**230**		50	9.5	ug/L			03/28/12 20:48	50
trans-1,2-Dichloroethene	**2400**		50	4.5	ug/L			03/28/12 20:48	50
1,2-Dichloropropane	8.0	U	50	8.0	ug/L			03/28/12 20:48	50
cis-1,3-Dichloropropene	9.0	U	50	9.0	ug/L			03/28/12 20:48	50
trans-1,3-Dichloropropene	11	U	50	11	ug/L			03/28/12 20:48	50
Ethylbenzene	**860**		50	5.5	ug/L			03/28/12 20:48	50
2-Hexanone	18	U	100	18	ug/L			03/28/12 20:48	50
Methylene Chloride	7.5	U	250	7.5	ug/L			03/28/12 20:48	50
4-Methyl-2-pentanone (MIBK)	23	U	100	23	ug/L			03/28/12 20:48	50
Styrene	**25**	**J**	50	3.5	ug/L			03/28/12 20:48	50
1,1,2,2-Tetrachloroethane	11	U	50	11	ug/L			03/28/12 20:48	50
Tetrachloroethene	**35**	**J**	50	6.5	ug/L			03/28/12 20:48	50
Toluene	**230**		50	7.5	ug/L			03/28/12 20:48	50
1,1,1-Trichloroethane	7.5	U	50	7.5	ug/L			03/28/12 20:48	50
1,1,2-Trichloroethane	14	U	50	14	ug/L			03/28/12 20:48	50
Trichloroethene	**110**		50	9.0	ug/L			03/28/12 20:48	50
Vinyl acetate	11	U	100	11	ug/L			03/28/12 20:48	50
o-Xylene	**27**	**J**	50	6.0	ug/L			03/28/12 20:48	50
m-Xylene & p-Xylene	**45**	**J**	50	8.5	ug/L			03/28/12 20:48	50

Client Sample ID: MW-65-SS-2

Lab Sample ID: 600-52463-2

Date Collected: 03/22/12 09:35

Matrix: Water

Date Received: 03/22/12 12:58

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	**72**		50	13	ug/L			03/28/12 20:48	50
cis-1,2-Dichloroethene	**110**		50	3.0	ug/L			03/28/12 20:48	50
Bromodichloromethane	8.0	U	50	8.0	ug/L			03/28/12 20:48	50
1,2-Dichloroethene, Total	**2500**		50	15	ug/L			03/28/12 20:48	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*70 - 130*		*03/28/12 20:48*	*50*
Dibromofluoromethane	*87*		*62 - 130*		*03/28/12 20:48*	*50*
4-Bromofluorobenzene	*94*		*67 - 139*		*03/28/12 20:48*	*50*
1,2-Dichloroethane-d4 (Surr)	*88*		*50 - 134*		*03/28/12 20:48*	*50*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**3300**		500	40	ug/L			03/28/12 19:53	500
1,1-Dichloroethane	**2900**		500	55	ug/L			03/28/12 19:53	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*70 - 130*		*03/28/12 19:53*	*500*
Dibromofluoromethane	*87*		*62 - 130*		*03/28/12 19:53*	*500*
4-Bromofluorobenzene	*95*		*67 - 139*		*03/28/12 19:53*	*500*
1,2-Dichloroethane-d4 (Surr)	*87*		*50 - 134*		*03/28/12 19:53*	*500*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**180000**		10000	550	ug/L			03/28/12 20:21	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*70 - 130*		*03/28/12 20:21*	*5000*
Dibromofluoromethane	*85*		*62 - 130*		*03/28/12 20:21*	*5000*
4-Bromofluorobenzene	*94*		*67 - 139*		*03/28/12 20:21*	*5000*
1,2-Dichloroethane-d4 (Surr)	*87*		*50 - 134*		*03/28/12 20:21*	*5000*

Client Sample ID: MW-8-SS-2

Lab Sample ID: 600-52463-3

Date Collected: 03/22/12 09:55

Matrix: Water

Date Received: 03/22/12 12:58

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	50	9.9	ug/L			03/30/12 21:35	10
Benzene	**170**		10	0.80	ug/L			03/30/12 21:35	10
Chlorobromomethane	1.8	U	10	1.8	ug/L			03/30/12 21:35	10
Bromoform	1.9	U	10	1.9	ug/L			03/30/12 21:35	10
Bromomethane	2.5	U	20	2.5	ug/L			03/30/12 21:35	10
2-Butanone (MEK)	7.6	U	20	7.6	ug/L			03/30/12 21:35	10
Carbon disulfide	2.4	U	20	2.4	ug/L			03/30/12 21:35	10
Carbon tetrachloride	1.5	U	10	1.5	ug/L			03/30/12 21:35	10
Dibromochloromethane	1.5	U	10	1.5	ug/L			03/30/12 21:35	10
Chlorobenzene	**10**		10	1.2	ug/L			03/30/12 21:35	10
Chloroethane	0.80	U	20	0.80	ug/L			03/30/12 21:35	10
Chloroform	1.3	U	10	1.3	ug/L			03/30/12 21:35	10
Chloromethane	1.8	U	20	1.8	ug/L			03/30/12 21:35	10
1,1-Dichloroethane	**57**		10	1.1	ug/L			03/30/12 21:35	10

Client Sample ID: MW-8-SS-2

Lab Sample ID: 600-52463-3

Date Collected: 03/22/12 09:55

Matrix: Water

Date Received: 03/22/12 12:58

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	**16**		10	1.4	ug/L			03/30/12 21:35	10
1,1-Dichloroethene	**180**		10	1.9	ug/L			03/30/12 21:35	10
trans-1,2-Dichloroethene	**93**		10	0.90	ug/L			03/30/12 21:35	10
1,2-Dichloropropane	1.6	U	10	1.6	ug/L			03/30/12 21:35	10
cis-1,3-Dichloropropene	1.8	U	10	1.8	ug/L			03/30/12 21:35	10
trans-1,3-Dichloropropene	2.1	U	10	2.1	ug/L			03/30/12 21:35	10
Ethylbenzene	**48**		10	1.1	ug/L			03/30/12 21:35	10
2-Hexanone	3.5	U	20	3.5	ug/L			03/30/12 21:35	10
Methylene Chloride	1.5	U	50	1.5	ug/L			03/30/12 21:35	10
4-Methyl-2-pentanone (MIBK)	4.5	U	20	4.5	ug/L			03/30/12 21:35	10
Styrene	0.70	U	10	0.70	ug/L			03/30/12 21:35	10
1,1,2,2-Tetrachloroethane	2.2	U	10	2.2	ug/L			03/30/12 21:35	10
Tetrachloroethene	1.3	U	10	1.3	ug/L			03/30/12 21:35	10
Toluene	**16**		10	1.5	ug/L			03/30/12 21:35	10
1,1,1-Trichloroethane	1.5	U	10	1.5	ug/L			03/30/12 21:35	10
1,1,2-Trichloroethane	2.8	U	10	2.8	ug/L			03/30/12 21:35	10
Trichloroethene	**8.3**	**J**	10	1.8	ug/L			03/30/12 21:35	10
Vinyl acetate	2.1	U	20	2.1	ug/L			03/30/12 21:35	10
o-Xylene	1.2	U	10	1.2	ug/L			03/30/12 21:35	10
m-Xylene & p-Xylene	1.7	U	10	1.7	ug/L			03/30/12 21:35	10
Xylenes, Total	2.6	U	10	2.6	ug/L			03/30/12 21:35	10
cis-1,2-Dichloroethene	**15**		10	0.60	ug/L			03/30/12 21:35	10
Bromodichloromethane	1.6	U	10	1.6	ug/L			03/30/12 21:35	10
1,2-Dichloroethene, Total	**110**		10	3.0	ug/L			03/30/12 21:35	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*70 - 130*		*03/30/12 21:35*	*10*
Dibromofluoromethane	*83*		*62 - 130*		*03/30/12 21:35*	*10*
4-Bromofluorobenzene	*90*		*67 - 139*		*03/30/12 21:35*	*10*
1,2-Dichloroethane-d4 (Surr)	*83*		*50 - 134*		*03/30/12 21:35*	*10*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**8600**		1000	55	ug/L			03/30/12 17:28	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*70 - 130*		*03/30/12 17:28*	*500*
Dibromofluoromethane	*85*		*62 - 130*		*03/30/12 17:28*	*500*
4-Bromofluorobenzene	*92*		*67 - 139*		*03/30/12 17:28*	*500*
1,2-Dichloroethane-d4 (Surr)	*79*		*50 - 134*		*03/30/12 17:28*	*500*

Client Sample ID: MW-11-SS-2

Lab Sample ID: 600-52463-4

Date Collected: 03/22/12 10:10

Matrix: Water

Date Received: 03/22/12 12:58

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	50	U	250	50	ug/L			03/28/12 16:41	50
Benzene	**170**		50	4.0	ug/L			03/28/12 16:41	50
Chlorobromomethane	9.0	U	50	9.0	ug/L			03/28/12 16:41	50
Bromoform	9.5	U	50	9.5	ug/L			03/28/12 16:41	50
Bromomethane	13	U	100	13	ug/L			03/28/12 16:41	50

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-52463-1

Client Sample ID: MW-11-SS-2

Date Collected: 03/22/12 10:10
Date Received: 03/22/12 12:58

Lab Sample ID: 600-52463-4

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	38	U	100	38	ug/L			03/28/12 16:41	50
Carbon disulfide	12	U	100	12	ug/L			03/28/12 16:41	50
Carbon tetrachloride	7.5	U	50	7.5	ug/L			03/28/12 16:41	50
Dibromochloromethane	7.5	U	50	7.5	ug/L			03/28/12 16:41	50
Chlorobenzene	**450**		50	6.0	ug/L			03/28/12 16:41	50
Chloroethane	4.0	U	100	4.0	ug/L			03/28/12 16:41	50
Chloroform	6.5	U	50	6.5	ug/L			03/28/12 16:41	50
Chloromethane	9.0	U	100	9.0	ug/L			03/28/12 16:41	50
1,1-Dichloroethane	**1400**		50	5.5	ug/L			03/28/12 16:41	50
1,1-Dichloroethene	**770**		50	9.5	ug/L			03/28/12 16:41	50
1,2-Dichloropropane	8.0	U	50	8.0	ug/L			03/28/12 16:41	50
cis-1,3-Dichloropropene	9.0	U	50	9.0	ug/L			03/28/12 16:41	50
trans-1,3-Dichloropropene	11	U	50	11	ug/L			03/28/12 16:41	50
Ethylbenzene	**35**	**J**	50	5.5	ug/L			03/28/12 16:41	50
2-Hexanone	18	U	100	18	ug/L			03/28/12 16:41	50
Methylene Chloride	**58**	**J**	250	7.5	ug/L			03/28/12 16:41	50
4-Methyl-2-pentanone (MIBK)	23	U	100	23	ug/L			03/28/12 16:41	50
Styrene	3.5	U	50	3.5	ug/L			03/28/12 16:41	50
1,1,2,2-Tetrachloroethane	11	U	50	11	ug/L			03/28/12 16:41	50
Tetrachloroethene	6.5	U	50	6.5	ug/L			03/28/12 16:41	50
Toluene	**17**	**J**	50	7.5	ug/L			03/28/12 16:41	50
1,1,1-Trichloroethane	7.5	U	50	7.5	ug/L			03/28/12 16:41	50
1,1,2-Trichloroethane	14	U	50	14	ug/L			03/28/12 16:41	50
Trichloroethene	**1000**		50	9.0	ug/L			03/28/12 16:41	50
Vinyl acetate	11	U	100	11	ug/L			03/28/12 16:41	50
o-Xylene	6.0	U	50	6.0	ug/L			03/28/12 16:41	50
m-Xylene & p-Xylene	8.5	U	50	8.5	ug/L			03/28/12 16:41	50
Xylenes, Total	13	U	50	13	ug/L			03/28/12 16:41	50
Bromodichloromethane	8.0	U	50	8.0	ug/L			03/28/12 16:41	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*70 - 130*		*03/28/12 16:41*	*50*
Dibromofluoromethane	*88*		*62 - 130*		*03/28/12 16:41*	*50*
4-Bromofluorobenzene	*95*		*67 - 139*		*03/28/12 16:41*	*50*
1,2-Dichloroethane-d4 (Surr)	*85*		*50 - 134*		*03/28/12 16:41*	*50*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	**2900**		500	70	ug/L			04/02/12 13:54	500
trans-1,2-Dichloroethene	**2700**		500	45	ug/L			04/02/12 13:54	500
cis-1,2-Dichloroethene	**4700**		500	30	ug/L			04/02/12 13:54	500
1,2-Dichloroethene, Total	**7400**		500	150	ug/L			04/02/12 13:54	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*91*		*70 - 130*		*04/02/12 13:54*	*500*
Dibromofluoromethane	*80*		*62 - 130*		*04/02/12 13:54*	*500*
4-Bromofluorobenzene	*86*		*67 - 139*		*04/02/12 13:54*	*500*
1,2-Dichloroethane-d4 (Surr)	*79*		*50 - 134*		*04/02/12 13:54*	*500*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**27000**		4000	220	ug/L			04/02/12 16:10	2000

Client Sample ID: MW-11-SS-2

Lab Sample ID: 600-52463-4

Date Collected: 03/22/12 10:10

Matrix: Water

Date Received: 03/22/12 12:58

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	93		70 - 130		04/02/12 16:10	2000
Dibromofluoromethane	80		62 - 130		04/02/12 16:10	2000
4-Bromofluorobenzene	85		67 - 139		04/02/12 16:10	2000
1,2-Dichloroethane-d4 (Surr)	79		50 - 134		04/02/12 16:10	2000

Client Sample ID: MW-40-SS-2

Lab Sample ID: 600-52463-5

Date Collected: 03/22/12 10:20

Matrix: Water

Date Received: 03/22/12 12:58

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	50	U	250	50	ug/L			03/28/12 17:08	50
Benzene	**80**		50	4.0	ug/L			03/28/12 17:08	50
Chlorobromomethane	9.0	U	50	9.0	ug/L			03/28/12 17:08	50
Bromoform	9.5	U	50	9.5	ug/L			03/28/12 17:08	50
Bromomethane	13	U	100	13	ug/L			03/28/12 17:08	50
2-Butanone (MEK)	38	U	100	38	ug/L			03/28/12 17:08	50
Carbon disulfide	12	U	100	12	ug/L			03/28/12 17:08	50
Carbon tetrachloride	7.5	U	50	7.5	ug/L			03/28/12 17:08	50
Dibromochloromethane	7.5	U	50	7.5	ug/L			03/28/12 17:08	50
Chlorobenzene	**300**		50	6.0	ug/L			03/28/12 17:08	50
Chloroethane	4.0	U	100	4.0	ug/L			03/28/12 17:08	50
Chloroform	6.5	U	50	6.5	ug/L			03/28/12 17:08	50
Chloromethane	9.0	U	100	9.0	ug/L			03/28/12 17:08	50
1,1-Dichloroethane	**320**		50	5.5	ug/L			03/28/12 17:08	50
1,2-Dichloroethane	7.0	U	50	7.0	ug/L			03/28/12 17:08	50
1,1-Dichloroethene	9.5	U	50	9.5	ug/L			03/28/12 17:08	50
trans-1,2-Dichloroethene	**18**	**J**	50	4.5	ug/L			03/28/12 17:08	50
1,2-Dichloropropane	8.0	U	50	8.0	ug/L			03/28/12 17:08	50
cis-1,3-Dichloropropene	9.0	U	50	9.0	ug/L			03/28/12 17:08	50
trans-1,3-Dichloropropene	11	U	50	11	ug/L			03/28/12 17:08	50
Ethylbenzene	**93**		50	5.5	ug/L			03/28/12 17:08	50
2-Hexanone	18	U	100	18	ug/L			03/28/12 17:08	50
Methylene Chloride	**46**	**J**	250	7.5	ug/L			03/28/12 17:08	50
4-Methyl-2-pentanone (MIBK)	23	U	100	23	ug/L			03/28/12 17:08	50
Styrene	3.5	U	50	3.5	ug/L			03/28/12 17:08	50
1,1,2,2-Tetrachloroethane	11	U	50	11	ug/L			03/28/12 17:08	50
Tetrachloroethene	6.5	U	50	6.5	ug/L			03/28/12 17:08	50
Toluene	**22**	**J**	50	7.5	ug/L			03/28/12 17:08	50
1,1,1-Trichloroethane	7.5	U	50	7.5	ug/L			03/28/12 17:08	50
1,1,2-Trichloroethane	14	U	50	14	ug/L			03/28/12 17:08	50
Trichloroethene	9.0	U	50	9.0	ug/L			03/28/12 17:08	50
Vinyl acetate	11	U	100	11	ug/L			03/28/12 17:08	50
o-Xylene	6.0	U	50	6.0	ug/L			03/28/12 17:08	50
m-Xylene & p-Xylene	8.5	U	50	8.5	ug/L			03/28/12 17:08	50
Xylenes, Total	13	U	50	13	ug/L			03/28/12 17:08	50
cis-1,2-Dichloroethene	3.0	U	50	3.0	ug/L			03/28/12 17:08	50
Bromodichloromethane	8.0	U	50	8.0	ug/L			03/28/12 17:08	50
1,2-Dichloroethene, Total	**18**	**J**	50	15	ug/L			03/28/12 17:08	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	92		70 - 130		03/28/12 17:08	50

Client Sample ID: MW-40-SS-2

Lab Sample ID: 600-52463-5

Date Collected: 03/22/12 10:20

Matrix: Water

Date Received: 03/22/12 12:58

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*87*		*62 - 130*		*03/28/12 17:08*	*50*
4-Bromofluorobenzene	*95*		*67 - 139*		*03/28/12 17:08*	*50*
1,2-Dichloroethane-d4 (Surr)	*87*		*50 - 134*		*03/28/12 17:08*	*50*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**2300**		400	22	ug/L			04/02/12 16:38	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*91*		*70 - 130*		*04/02/12 16:38*	*200*
Dibromofluoromethane	*82*		*62 - 130*		*04/02/12 16:38*	*200*
4-Bromofluorobenzene	*90*		*67 - 139*		*04/02/12 16:38*	*200*
1,2-Dichloroethane-d4 (Surr)	*80*		*50 - 134*		*04/02/12 16:38*	*200*

Client Sample ID: MW-68-SS-2

Lab Sample ID: 600-52463-6

Date Collected: 03/22/12 10:30

Matrix: Water

Date Received: 03/22/12 12:58

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	50	U	250	50	ug/L			03/28/12 17:36	50
Benzene	**200**		50	4.0	ug/L			03/28/12 17:36	50
Chlorobromomethane	9.0	U	50	9.0	ug/L			03/28/12 17:36	50
Bromoform	9.5	U	50	9.5	ug/L			03/28/12 17:36	50
Bromomethane	13	U	100	13	ug/L			03/28/12 17:36	50
2-Butanone (MEK)	38	U	100	38	ug/L			03/28/12 17:36	50
Carbon disulfide	12	U	100	12	ug/L			03/28/12 17:36	50
Carbon tetrachloride	7.5	U	50	7.5	ug/L			03/28/12 17:36	50
Dibromochloromethane	7.5	U	50	7.5	ug/L			03/28/12 17:36	50
Chlorobenzene	**60**		50	6.0	ug/L			03/28/12 17:36	50
Chloroethane	4.0	U	100	4.0	ug/L			03/28/12 17:36	50
Chloroform	6.5	U	50	6.5	ug/L			03/28/12 17:36	50
Chloromethane	9.0	U	100	9.0	ug/L			03/28/12 17:36	50
1,1-Dichloroethane	**170**		50	5.5	ug/L			03/28/12 17:36	50
1,2-Dichloroethane	7.0	U	50	7.0	ug/L			03/28/12 17:36	50
1,1-Dichloroethene	**11**	**J**	50	9.5	ug/L			03/28/12 17:36	50
trans-1,2-Dichloroethene	**790**		50	4.5	ug/L			03/28/12 17:36	50
1,2-Dichloropropane	8.0	U	50	8.0	ug/L			03/28/12 17:36	50
cis-1,3-Dichloropropene	9.0	U	50	9.0	ug/L			03/28/12 17:36	50
trans-1,3-Dichloropropene	11	U	50	11	ug/L			03/28/12 17:36	50
Ethylbenzene	**470**		50	5.5	ug/L			03/28/12 17:36	50
2-Hexanone	18	U	100	18	ug/L			03/28/12 17:36	50
Methylene Chloride	**40**	**J**	250	7.5	ug/L			03/28/12 17:36	50
4-Methyl-2-pentanone (MIBK)	23	U	100	23	ug/L			03/28/12 17:36	50
Styrene	3.5	U	50	3.5	ug/L			03/28/12 17:36	50
1,1,2,2-Tetrachloroethane	11	U	50	11	ug/L			03/28/12 17:36	50
Tetrachloroethene	6.5	U	50	6.5	ug/L			03/28/12 17:36	50
Toluene	**72**		50	7.5	ug/L			03/28/12 17:36	50
1,1,1-Trichloroethane	7.5	U	50	7.5	ug/L			03/28/12 17:36	50
1,1,2-Trichloroethane	14	U	50	14	ug/L			03/28/12 17:36	50
Trichloroethene	9.0	U	50	9.0	ug/L			03/28/12 17:36	50

Client Sample ID: MW-68-SS-2

Lab Sample ID: 600-52463-6

Date Collected: 03/22/12 10:30

Matrix: Water

Date Received: 03/22/12 12:58

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	11	U	100	11	ug/L			03/28/12 17:36	50
o-Xylene	6.0	U	50	6.0	ug/L			03/28/12 17:36	50
m-Xylene & p-Xylene	8.5	U	50	8.5	ug/L			03/28/12 17:36	50
Xylenes, Total	13	U	50	13	ug/L			03/28/12 17:36	50
cis-1,2-Dichloroethene	**34**	**J**	50	3.0	ug/L			03/28/12 17:36	50
Bromodichloromethane	8.0	U	50	8.0	ug/L			03/28/12 17:36	50
1,2-Dichloroethene, Total	**820**		50	15	ug/L			03/28/12 17:36	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*89*		*70 - 130*		*03/28/12 17:36*	*50*
Dibromofluoromethane	*85*		*62 - 130*		*03/28/12 17:36*	*50*
4-Bromofluorobenzene	*92*		*67 - 139*		*03/28/12 17:36*	*50*
1,2-Dichloroethane-d4 (Surr)	*88*		*50 - 134*		*03/28/12 17:36*	*50*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**10000**		1000	55	ug/L			04/04/12 14:38	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*90*		*70 - 130*		*04/04/12 14:38*	*500*
Dibromofluoromethane	*83*		*62 - 130*		*04/04/12 14:38*	*500*
4-Bromofluorobenzene	*86*		*67 - 139*		*04/04/12 14:38*	*500*
1,2-Dichloroethane-d4 (Surr)	*77*		*50 - 134*		*04/04/12 14:38*	*500*

Client Sample ID: MW-66-SS-2

Lab Sample ID: 600-52463-7

Date Collected: 03/22/12 10:40

Matrix: Water

Date Received: 03/22/12 12:58

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**930**		250	50	ug/L			03/28/12 18:03	50
Chlorobromomethane	9.0	U	50	9.0	ug/L			03/28/12 18:03	50
Bromoform	9.5	U	50	9.5	ug/L			03/28/12 18:03	50
Bromomethane	13	U	100	13	ug/L			03/28/12 18:03	50
2-Butanone (MEK)	**210**		100	38	ug/L			03/28/12 18:03	50
Carbon disulfide	12	U	100	12	ug/L			03/28/12 18:03	50
Carbon tetrachloride	7.5	U	50	7.5	ug/L			03/28/12 18:03	50
Dibromochloromethane	7.5	U	50	7.5	ug/L			03/28/12 18:03	50
Chlorobenzene	**1800**		50	6.0	ug/L			03/28/12 18:03	50
Chloroethane	4.0	U	100	4.0	ug/L			03/28/12 18:03	50
Chloroform	**33**	**J**	50	6.5	ug/L			03/28/12 18:03	50
Chloromethane	9.0	U	100	9.0	ug/L			03/28/12 18:03	50
1,1-Dichloroethene	**2200**		50	9.5	ug/L			03/28/12 18:03	50
1,2-Dichloropropane	8.0	U	50	8.0	ug/L			03/28/12 18:03	50
cis-1,3-Dichloropropene	9.0	U	50	9.0	ug/L			03/28/12 18:03	50
trans-1,3-Dichloropropene	11	U	50	11	ug/L			03/28/12 18:03	50
2-Hexanone	18	U	100	18	ug/L			03/28/12 18:03	50
Methylene Chloride	**280**		250	7.5	ug/L			03/28/12 18:03	50
4-Methyl-2-pentanone (MIBK)	23	U	100	23	ug/L			03/28/12 18:03	50
Styrene	**1600**		50	3.5	ug/L			03/28/12 18:03	50
1,1,2,2-Tetrachloroethane	**200**		50	11	ug/L			03/28/12 18:03	50
Tetrachloroethene	**160**		50	6.5	ug/L			03/28/12 18:03	50

Client Sample ID: MW-66-SS-2

Lab Sample ID: 600-52463-7

Date Collected: 03/22/12 10:40

Matrix: Water

Date Received: 03/22/12 12:58

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	7.5	U	50	7.5	ug/L			03/28/12 18:03	50
Trichloroethene	**1300**		50	9.0	ug/L			03/28/12 18:03	50
Vinyl acetate	11	U	100	11	ug/L			03/28/12 18:03	50
o-Xylene	**24**	**J**	50	6.0	ug/L			03/28/12 18:03	50
m-Xylene & p-Xylene	**29**	**J**	50	8.5	ug/L			03/28/12 18:03	50
Xylenes, Total	**53**		50	13	ug/L			03/28/12 18:03	50
Bromodichloromethane	8.0	U	50	8.0	ug/L			03/28/12 18:03	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*70 - 130*		*03/28/12 18:03*	*50*
Dibromofluoromethane	*84*		*62 - 130*		*03/28/12 18:03*	*50*
4-Bromofluorobenzene	*95*		*67 - 139*		*03/28/12 18:03*	*50*
1,2-Dichloroethane-d4 (Surr)	*88*		*50 - 134*		*03/28/12 18:03*	*50*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**6500**		500	40	ug/L			04/02/12 14:21	500
1,1-Dichloroethane	**2600**		500	55	ug/L			04/02/12 14:21	500
trans-1,2-Dichloroethene	**2600**		500	45	ug/L			04/02/12 14:21	500
Ethylbenzene	**4300**		500	55	ug/L			04/02/12 14:21	500
Toluene	**2400**		500	75	ug/L			04/02/12 14:21	500
cis-1,2-Dichloroethene	**1200**		500	30	ug/L			04/02/12 14:21	500
1,2-Dichloroethene, Total	**3800**		500	150	ug/L			04/02/12 14:21	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*70 - 130*		*04/02/12 14:21*	*500*
Dibromofluoromethane	*83*		*62 - 130*		*04/02/12 14:21*	*500*
4-Bromofluorobenzene	*89*		*67 - 139*		*04/02/12 14:21*	*500*
1,2-Dichloroethane-d4 (Surr)	*80*		*50 - 134*		*04/02/12 14:21*	*500*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	**160000**		5000	700	ug/L			04/02/12 17:33	5000
1,1,2-Trichloroethane	**110000**		5000	1400	ug/L			04/02/12 17:33	5000
Vinyl chloride	**71000**		10000	550	ug/L			04/02/12 17:33	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*70 - 130*		*04/02/12 17:33*	*5000*
Dibromofluoromethane	*83*		*62 - 130*		*04/02/12 17:33*	*5000*
4-Bromofluorobenzene	*87*		*67 - 139*		*04/02/12 17:33*	*5000*
1,2-Dichloroethane-d4 (Surr)	*79*		*50 - 134*		*04/02/12 17:33*	*5000*

Client Sample ID: MW-4-SS-2

Lab Sample ID: 600-52463-8

Date Collected: 03/22/12 10:50

Matrix: Water

Date Received: 03/22/12 12:58

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	50	U	250	50	ug/L			03/28/12 18:30	50
Chlorobromomethane	9.0	U	50	9.0	ug/L			03/28/12 18:30	50
Bromoform	9.5	U	50	9.5	ug/L			03/28/12 18:30	50
Bromomethane	13	U	100	13	ug/L			03/28/12 18:30	50

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-52463-1

Client Sample ID: MW-4-SS-2

Date Collected: 03/22/12 10:50
Date Received: 03/22/12 12:58

Lab Sample ID: 600-52463-8

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	**91**	**J**	100	38	ug/L			03/28/12 18:30	50
Carbon disulfide	12	U	100	12	ug/L			03/28/12 18:30	50
Carbon tetrachloride	7.5	U	50	7.5	ug/L			03/28/12 18:30	50
Dibromochloromethane	7.5	U	50	7.5	ug/L			03/28/12 18:30	50
Chlorobenzene	**1100**		50	6.0	ug/L			03/28/12 18:30	50
Chloroethane	4.0	U	100	4.0	ug/L			03/28/12 18:30	50
Chloroform	6.5	U	50	6.5	ug/L			03/28/12 18:30	50
Chloromethane	9.0	U	100	9.0	ug/L			03/28/12 18:30	50
1,2-Dichloropropane	8.0	U	50	8.0	ug/L			03/28/12 18:30	50
cis-1,3-Dichloropropene	9.0	U	50	9.0	ug/L			03/28/12 18:30	50
trans-1,3-Dichloropropene	11	U	50	11	ug/L			03/28/12 18:30	50
Ethylbenzene	**870**		50	5.5	ug/L			03/28/12 18:30	50
2-Hexanone	18	U	100	18	ug/L			03/28/12 18:30	50
Methylene Chloride	**34**	**J**	250	7.5	ug/L			03/28/12 18:30	50
4-Methyl-2-pentanone (MIBK)	23	U	100	23	ug/L			03/28/12 18:30	50
Styrene	**19**	**J**	50	3.5	ug/L			03/28/12 18:30	50
1,1,2,2-Tetrachloroethane	11	U	50	11	ug/L			03/28/12 18:30	50
Tetrachloroethene	**450**		50	6.5	ug/L			03/28/12 18:30	50
Toluene	**270**		50	7.5	ug/L			03/28/12 18:30	50
1,1,1-Trichloroethane	7.5	U	50	7.5	ug/L			03/28/12 18:30	50
1,1,2-Trichloroethane	**73**		50	14	ug/L			03/28/12 18:30	50
Trichloroethene	**1900**		50	9.0	ug/L			03/28/12 18:30	50
Vinyl acetate	11	U	100	11	ug/L			03/28/12 18:30	50
o-Xylene	**24**	**J**	50	6.0	ug/L			03/28/12 18:30	50
m-Xylene & p-Xylene	**45**	**J**	50	8.5	ug/L			03/28/12 18:30	50
Xylenes, Total	**69**		50	13	ug/L			03/28/12 18:30	50
Bromodichloromethane	8.0	U	50	8.0	ug/L			03/28/12 18:30	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*70 - 130*		*03/28/12 18:30*	*50*
Dibromofluoromethane	*85*		*62 - 130*		*03/28/12 18:30*	*50*
4-Bromofluorobenzene	*94*		*67 - 139*		*03/28/12 18:30*	*50*
1,2-Dichloroethane-d4 (Surr)	*87*		*50 - 134*		*03/28/12 18:30*	*50*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**4300**		500	40	ug/L			04/02/12 14:49	500
1,1-Dichloroethane	**4700**		500	55	ug/L			04/02/12 14:49	500
1,1-Dichloroethene	**7800**		500	95	ug/L			04/02/12 14:49	500
trans-1,2-Dichloroethene	**9400**		500	45	ug/L			04/02/12 14:49	500
cis-1,2-Dichloroethene	**4500**		500	30	ug/L			04/02/12 14:49	500
1,2-Dichloroethene, Total	**14000**		500	150	ug/L			04/02/12 14:49	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*90*		*70 - 130*		*04/02/12 14:49*	*500*
Dibromofluoromethane	*83*		*62 - 130*		*04/02/12 14:49*	*500*
4-Bromofluorobenzene	*87*		*67 - 139*		*04/02/12 14:49*	*500*
1,2-Dichloroethane-d4 (Surr)	*78*		*50 - 134*		*04/02/12 14:49*	*500*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	**64000**		5000	700	ug/L			04/02/12 18:00	5000

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-52463-1

Client Sample ID: MW-4-SS-2

Lab Sample ID: 600-52463-8

Date Collected: 03/22/12 10:50

Matrix: Water

Date Received: 03/22/12 12:58

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2 (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	220000		10000	550	ug/L			04/02/12 18:00	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*70 - 130*		*04/02/12 18:00*	*5000*
Dibromofluoromethane	*84*		*62 - 130*		*04/02/12 18:00*	*5000*
4-Bromofluorobenzene	*90*		*67 - 139*		*04/02/12 18:00*	*5000*
1,2-Dichloroethane-d4 (Surr)	*78*		*50 - 134*		*04/02/12 18:00*	*5000*

Surrogate Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-52463-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DBFM	BFB	12DCE
Lab Sample ID	Client Sample ID	(70-130)	(62-130)	(67-139)	(50-134)
600-52463-1	MW-71-SS-2	91	87	91	86
600-52463-1 - DL	MW-71-SS-2	91	84	96	83
600-52463-1 - DL2	MW-71-SS-2	89	87	91	85
600-52463-2 - DL	MW-65-SS-2	92	87	95	87
600-52463-2 - DL2	MW-65-SS-2	92	85	94	87
600-52463-2	MW-65-SS-2	92	87	94	88
600-52463-3 - DL	MW-8-SS-2	92	85	92	79
600-52463-3	MW-8-SS-2	94	83	90	83
600-52463-3 MS - DL	MW-8-SS-2	93	89	91	81
600-52463-3 MSD - DL	MW-8-SS-2	90	84	88	80
600-52463-4	MW-11-SS-2	93	88	95	85
600-52463-4 - DL2	MW-11-SS-2	93	80	85	79
600-52463-4 - DL	MW-11-SS-2	91	80	86	79
600-52463-4 MS - DL2	MW-11-SS-2	93	84	86	77
600-52463-4 MSD	MW-11-SS-2	93	84	85	78
600-52463-5	MW-40-SS-2	92	87	95	87
600-52463-5 - DL	MW-40-SS-2	91	82	90	80
600-52463-6	MW-68-SS-2	89	85	92	88
600-52463-6 - DL	MW-68-SS-2	90	83	86	77
600-52463-7	MW-66-SS-2	95	84	95	88
600-52463-7 - DL2	MW-66-SS-2	92	83	87	79
600-52463-7 - DL	MW-66-SS-2	93	83	89	80
600-52463-8	MW-4-SS-2	92	85	94	87
600-52463-8 - DL	MW-4-SS-2	90	83	87	78
600-52463-8 - DL2	MW-4-SS-2	93	84	90	78
LCS 600-75890/3	Lab Control Sample	91	91	94	85
LCS 600-76201/3	Lab Control Sample	91	85	89	83
LCS 600-76373/3	Lab Control Sample	93	82	86	76
LCS 600-76475/4	Lab Control Sample	90	84	88	78
MB 600-75890/4	Method Blank	91	87	95	86
MB 600-76201/4	Method Blank	92	84	91	82
MB 600-76373/4	Method Blank	92	82	85	80

Surrogate Legend

TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane
BFB = 4-Bromofluorobenzene
12DCE = 1,2-Dichloroethane-d4 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 600-75890/4
Matrix: Water
Analysis Batch: 75890

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			03/28/12 10:52	1
Benzene	0.080	U	1.0	0.080	ug/L			03/28/12 10:52	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			03/28/12 10:52	1
Bromoform	0.19	U	1.0	0.19	ug/L			03/28/12 10:52	1
Bromomethane	0.25	U	2.0	0.25	ug/L			03/28/12 10:52	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			03/28/12 10:52	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			03/28/12 10:52	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			03/28/12 10:52	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			03/28/12 10:52	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			03/28/12 10:52	1
Chloroethane	0.080	U	2.0	0.080	ug/L			03/28/12 10:52	1
Chloroform	0.13	U	1.0	0.13	ug/L			03/28/12 10:52	1
Chloromethane	0.18	U	2.0	0.18	ug/L			03/28/12 10:52	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			03/28/12 10:52	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			03/28/12 10:52	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			03/28/12 10:52	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			03/28/12 10:52	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			03/28/12 10:52	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			03/28/12 10:52	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			03/28/12 10:52	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			03/28/12 10:52	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			03/28/12 10:52	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			03/28/12 10:52	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			03/28/12 10:52	1
Styrene	0.070	U	1.0	0.070	ug/L			03/28/12 10:52	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			03/28/12 10:52	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			03/28/12 10:52	1
Toluene	0.15	U	1.0	0.15	ug/L			03/28/12 10:52	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			03/28/12 10:52	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			03/28/12 10:52	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			03/28/12 10:52	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			03/28/12 10:52	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			03/28/12 10:52	1
o-Xylene	0.12	U	1.0	0.12	ug/L			03/28/12 10:52	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			03/28/12 10:52	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			03/28/12 10:52	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			03/28/12 10:52	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			03/28/12 10:52	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			03/28/12 10:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*91*		*70 - 130*		*03/28/12 10:52*	*1*
Dibromofluoromethane	*87*		*62 - 130*		*03/28/12 10:52*	*1*
4-Bromofluorobenzene	*95*		*67 - 139*		*03/28/12 10:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*86*		*50 - 134*		*03/28/12 10:52*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-75890/3
Matrix: Water
Analysis Batch: 75890

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	17.2		ug/L		86	28 - 152
Benzene	10.0	9.35		ug/L		93	69 - 131
Chlorobromomethane	10.0	9.47		ug/L		95	60 - 141
Bromoform	10.0	9.62		ug/L		96	39 - 149
Bromomethane	10.0	9.02		ug/L		90	52 - 146
2-Butanone (MEK)	20.0	18.9		ug/L		94	59 - 133
Carbon disulfide	10.0	7.74		ug/L		77	32 - 177
Carbon tetrachloride	10.0	9.28		ug/L		93	59 - 147
Dibromochloromethane	10.0	8.68		ug/L		87	58 - 132
Chlorobenzene	10.0	9.57		ug/L		96	60 - 136
Chloroethane	10.0	9.22		ug/L		92	56 - 144
Chloroform	10.0	9.59		ug/L		96	69 - 128
Chloromethane	10.0	6.29		ug/L		63	32 - 151
1,1-Dichloroethane	10.0	9.37		ug/L		94	66 - 126
1,2-Dichloroethane	10.0	9.05		ug/L		90	66 - 140
1,1-Dichloroethene	10.0	8.70		ug/L		87	59 - 145
trans-1,2-Dichloroethene	10.0	9.53		ug/L		95	70 - 132
1,2-Dichloropropane	10.0	9.50		ug/L		95	72 - 125
cis-1,3-Dichloropropene	10.0	8.99		ug/L		90	60 - 135
trans-1,3-Dichloropropene	10.0	9.43		ug/L		94	63 - 133
Ethylbenzene	10.0	9.66		ug/L		97	68 - 128
2-Hexanone	20.0	18.6		ug/L		93	51 - 130
Methylene Chloride	10.0	8.42		ug/L		84	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	18.7		ug/L		93	56 - 142
Styrene	10.0	9.96		ug/L		100	68 - 133
1,1,2,2-Tetrachloroethane	10.0	9.68		ug/L		97	68 - 134
Tetrachloroethene	10.0	12.3		ug/L		123	61 - 142
Toluene	10.0	9.55		ug/L		96	67 - 130
1,1,1-Trichloroethane	10.0	9.89		ug/L		99	65 - 142
1,1,2-Trichloroethane	10.0	9.94		ug/L		99	68 - 130
Trichloroethene	10.0	9.75		ug/L		97	68 - 130
Vinyl acetate	10.0	9.29		ug/L		93	58 - 175
Vinyl chloride	10.0	7.87		ug/L		79	47 - 146
o-Xylene	10.0	9.66		ug/L		97	68 - 134
m-Xylene & p-Xylene	20.0	19.5		ug/L		98	67 - 132
Xylenes, Total	30.0	29.2		ug/L		97	68 - 132
cis-1,2-Dichloroethene	10.0	8.78		ug/L		88	69 - 129
Bromodichloromethane	10.0	9.93		ug/L		99	73 - 130
1,2-Dichloroethene, Total	20.0	18.3		ug/L		92	65 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*91*		*70 - 130*
Dibromofluoromethane	*91*		*62 - 130*
4-Bromofluorobenzene	*94*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*85*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 600-76201/4
Matrix: Water
Analysis Batch: 76201

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			03/30/12 11:29	1
Benzene	0.080	U	1.0	0.080	ug/L			03/30/12 11:29	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			03/30/12 11:29	1
Bromoform	0.19	U	1.0	0.19	ug/L			03/30/12 11:29	1
Bromomethane	0.25	U	2.0	0.25	ug/L			03/30/12 11:29	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			03/30/12 11:29	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			03/30/12 11:29	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			03/30/12 11:29	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			03/30/12 11:29	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			03/30/12 11:29	1
Chloroethane	0.080	U	2.0	0.080	ug/L			03/30/12 11:29	1
Chloroform	0.13	U	1.0	0.13	ug/L			03/30/12 11:29	1
Chloromethane	0.18	U	2.0	0.18	ug/L			03/30/12 11:29	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			03/30/12 11:29	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			03/30/12 11:29	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			03/30/12 11:29	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			03/30/12 11:29	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			03/30/12 11:29	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			03/30/12 11:29	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			03/30/12 11:29	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			03/30/12 11:29	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			03/30/12 11:29	1
Methylene Chloride	1.01	J	5.0	0.15	ug/L			03/30/12 11:29	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			03/30/12 11:29	1
Styrene	0.070	U	1.0	0.070	ug/L			03/30/12 11:29	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			03/30/12 11:29	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			03/30/12 11:29	1
Toluene	0.15	U	1.0	0.15	ug/L			03/30/12 11:29	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			03/30/12 11:29	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			03/30/12 11:29	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			03/30/12 11:29	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			03/30/12 11:29	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			03/30/12 11:29	1
o-Xylene	0.12	U	1.0	0.12	ug/L			03/30/12 11:29	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			03/30/12 11:29	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			03/30/12 11:29	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			03/30/12 11:29	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			03/30/12 11:29	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			03/30/12 11:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*70 - 130*		*03/30/12 11:29*	*1*
Dibromofluoromethane	*84*		*62 - 130*		*03/30/12 11:29*	*1*
4-Bromofluorobenzene	*91*		*67 - 139*		*03/30/12 11:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*82*		*50 - 134*		*03/30/12 11:29*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-76201/3
Matrix: Water
Analysis Batch: 76201

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	19.4		ug/L		97	28 - 152
Benzene	10.0	9.37		ug/L		94	69 - 131
Chlorobromomethane	10.0	9.86		ug/L		99	60 - 141
Bromoform	10.0	10.2		ug/L		102	39 - 149
Bromomethane	10.0	9.17		ug/L		92	52 - 146
2-Butanone (MEK)	20.0	20.4		ug/L		102	59 - 133
Carbon disulfide	10.0	7.47		ug/L		75	32 - 177
Carbon tetrachloride	10.0	8.96		ug/L		90	59 - 147
Dibromochloromethane	10.0	9.28		ug/L		93	58 - 132
Chlorobenzene	10.0	9.66		ug/L		97	60 - 136
Chloroethane	10.0	9.00		ug/L		90	56 - 144
Chloroform	10.0	9.65		ug/L		96	69 - 128
Chloromethane	10.0	6.11		ug/L		61	32 - 151
1,1-Dichloroethane	10.0	9.41		ug/L		94	66 - 126
1,2-Dichloroethane	10.0	9.15		ug/L		91	66 - 140
1,1-Dichloroethene	10.0	8.59		ug/L		86	59 - 145
trans-1,2-Dichloroethene	10.0	9.41		ug/L		94	70 - 132
1,2-Dichloropropane	10.0	9.76		ug/L		98	72 - 125
cis-1,3-Dichloropropene	10.0	9.19		ug/L		92	60 - 135
trans-1,3-Dichloropropene	10.0	9.88		ug/L		99	63 - 133
Ethylbenzene	10.0	10.1		ug/L		101	68 - 128
2-Hexanone	20.0	19.7		ug/L		99	51 - 130
Methylene Chloride	10.0	9.23		ug/L		92	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	19.2		ug/L		96	56 - 142
Styrene	10.0	10.2		ug/L		102	68 - 133
1,1,2,2-Tetrachloroethane	10.0	8.96		ug/L		90	68 - 134
Tetrachloroethene	10.0	13.6		ug/L		136	61 - 142
Toluene	10.0	9.81		ug/L		98	67 - 130
1,1,1-Trichloroethane	10.0	9.95		ug/L		100	65 - 142
1,1,2-Trichloroethane	10.0	9.46		ug/L		95	68 - 130
Trichloroethene	10.0	9.98		ug/L		100	68 - 130
Vinyl acetate	10.0	8.82		ug/L		88	58 - 175
Vinyl chloride	10.0	7.64		ug/L		76	47 - 146
o-Xylene	10.0	9.81		ug/L		98	68 - 134
m-Xylene & p-Xylene	20.0	19.8		ug/L		99	67 - 132
Xylenes, Total	30.0	29.6		ug/L		99	68 - 132
cis-1,2-Dichloroethene	10.0	8.66		ug/L		87	69 - 129
Bromodichloromethane	10.0	10.1		ug/L		101	73 - 130
1,2-Dichloroethene, Total	20.0	18.1		ug/L		90	65 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*91*		*70 - 130*
Dibromofluoromethane	*85*		*62 - 130*
4-Bromofluorobenzene	*89*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*83*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 600-76373/4
Matrix: Water
Analysis Batch: 76373

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			04/02/12 12:03	1
Benzene	0.080	U	1.0	0.080	ug/L			04/02/12 12:03	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			04/02/12 12:03	1
Bromoform	0.19	U	1.0	0.19	ug/L			04/02/12 12:03	1
Bromomethane	0.25	U	2.0	0.25	ug/L			04/02/12 12:03	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			04/02/12 12:03	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			04/02/12 12:03	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			04/02/12 12:03	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			04/02/12 12:03	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			04/02/12 12:03	1
Chloroethane	0.080	U	2.0	0.080	ug/L			04/02/12 12:03	1
Chloroform	0.13	U	1.0	0.13	ug/L			04/02/12 12:03	1
Chloromethane	0.18	U	2.0	0.18	ug/L			04/02/12 12:03	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			04/02/12 12:03	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			04/02/12 12:03	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			04/02/12 12:03	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			04/02/12 12:03	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			04/02/12 12:03	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			04/02/12 12:03	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			04/02/12 12:03	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			04/02/12 12:03	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			04/02/12 12:03	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			04/02/12 12:03	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			04/02/12 12:03	1
Styrene	0.070	U	1.0	0.070	ug/L			04/02/12 12:03	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			04/02/12 12:03	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			04/02/12 12:03	1
Toluene	0.15	U	1.0	0.15	ug/L			04/02/12 12:03	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			04/02/12 12:03	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			04/02/12 12:03	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			04/02/12 12:03	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			04/02/12 12:03	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			04/02/12 12:03	1
o-Xylene	0.12	U	1.0	0.12	ug/L			04/02/12 12:03	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			04/02/12 12:03	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			04/02/12 12:03	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			04/02/12 12:03	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			04/02/12 12:03	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			04/02/12 12:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*70 - 130*		*04/02/12 12:03*	*1*
Dibromofluoromethane	*82*		*62 - 130*		*04/02/12 12:03*	*1*
4-Bromofluorobenzene	*85*		*67 - 139*		*04/02/12 12:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*80*		*50 - 134*		*04/02/12 12:03*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-76373/3
Matrix: Water
Analysis Batch: 76373

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	18.0		ug/L		90	28 - 152
Benzene	10.0	9.21		ug/L		92	69 - 131
Chlorobromomethane	10.0	9.13		ug/L		91	60 - 141
Bromoform	10.0	8.91		ug/L		89	39 - 149
Bromomethane	10.0	8.57		ug/L		86	52 - 146
2-Butanone (MEK)	20.0	18.6		ug/L		93	59 - 133
Carbon disulfide	10.0	7.16		ug/L		72	32 - 177
Carbon tetrachloride	10.0	7.94		ug/L		79	59 - 147
Dibromochloromethane	10.0	8.73		ug/L		87	58 - 132
Chlorobenzene	10.0	9.71		ug/L		97	60 - 136
Chloroethane	10.0	8.62		ug/L		86	56 - 144
Chloroform	10.0	9.53		ug/L		95	69 - 128
Chloromethane	10.0	5.61		ug/L		56	32 - 151
1,1-Dichloroethane	10.0	9.03		ug/L		90	66 - 126
1,2-Dichloroethane	10.0	8.92		ug/L		89	66 - 140
1,1-Dichloroethene	10.0	8.42		ug/L		84	59 - 145
trans-1,2-Dichloroethene	10.0	9.24		ug/L		92	70 - 132
1,2-Dichloropropane	10.0	9.35		ug/L		93	72 - 125
cis-1,3-Dichloropropene	10.0	8.83		ug/L		88	60 - 135
trans-1,3-Dichloropropene	10.0	8.45		ug/L		84	63 - 133
Ethylbenzene	10.0	9.90		ug/L		99	68 - 128
2-Hexanone	20.0	18.5		ug/L		93	51 - 130
Methylene Chloride	10.0	8.49		ug/L		85	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	18.5		ug/L		92	56 - 142
Styrene	10.0	10.1		ug/L		101	68 - 133
1,1,2,2-Tetrachloroethane	10.0	8.37		ug/L		84	68 - 134
Tetrachloroethene	10.0	11.2		ug/L		112	61 - 142
Toluene	10.0	9.60		ug/L		96	67 - 130
1,1,1-Trichloroethane	10.0	8.77		ug/L		88	65 - 142
1,1,2-Trichloroethane	10.0	9.45		ug/L		94	68 - 130
Trichloroethene	10.0	9.84		ug/L		98	68 - 130
Vinyl acetate	10.0	7.09		ug/L		71	58 - 175
Vinyl chloride	10.0	7.24		ug/L		72	47 - 146
o-Xylene	10.0	9.81		ug/L		98	68 - 134
m-Xylene & p-Xylene	20.0	19.5		ug/L		97	67 - 132
Xylenes, Total	30.0	29.3		ug/L		98	68 - 132
cis-1,2-Dichloroethene	10.0	8.32		ug/L		83	69 - 129
Bromodichloromethane	10.0	9.55		ug/L		95	73 - 130
1,2-Dichloroethene, Total	20.0	17.6		ug/L		88	65 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*93*		*70 - 130*
Dibromofluoromethane	*82*		*62 - 130*
4-Bromofluorobenzene	*86*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*76*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 600-52463-4 MSD
Matrix: Water
Analysis Batch: 76373

Client Sample ID: MW-11-SS-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	2000		40000	32100		ug/L		80	60 - 140	1	30
Benzene	180		20000	19200		ug/L		95	65 - 125	2	30
Chlorobromomethane	360		20000	19000		ug/L		95	60 - 140	3	30
Bromoform	380		20000	20600		ug/L		103	60 - 140	10	30
Bromomethane	500		20000	17700		ug/L		88	60 - 140	3	30
2-Butanone (MEK)	1500		40000	39500		ug/L		99	60 - 140	5	30
Carbon disulfide	480		20000	14100		ug/L		70	60 - 140	1	30
Carbon tetrachloride	300		20000	17900		ug/L		89	60 - 140	12	30
Dibromochloromethane	300		20000	18800		ug/L		94	60 - 140	10	30
Chlorobenzene	240		20000	21100		ug/L		105	72 - 122	3	30
Chloroethane	160		20000	17500		ug/L		87	60 - 140	2	30
Chloroform	260		20000	20000		ug/L		100	60 - 140	3	30
Chloromethane	360		20000	11400	F	ug/L		57	60 - 140	1	30
1,1-Dichloroethane	1300		20000	20100		ug/L		94	60 - 140	2	30
1,2-Dichloroethane	3000		20000	21600		ug/L		93	60 - 140	0	30
1,1-Dichloroethene	650		20000	17400		ug/L		84	22 - 143	1	30
trans-1,2-Dichloroethene	2800		20000	21600		ug/L		94	60 - 140	2	30
1,2-Dichloropropane	320		20000	19300		ug/L		96	60 - 140	2	30
cis-1,3-Dichloropropene	360		20000	18700		ug/L		94	60 - 140	6	30
trans-1,3-Dichloropropene	420		20000	19300		ug/L		96	60 - 140	7	30
Ethylbenzene	220		20000	20700		ug/L		104	60 - 140	3	30
2-Hexanone	700		40000	38300		ug/L		96	60 - 140	2	30
Methylene Chloride	300		20000	17400		ug/L		87	60 - 140	2	30
4-Methyl-2-pentanone (MIBK)	900		40000	39400		ug/L		99	60 - 140	1	30
Styrene	140		20000	20700		ug/L		104	60 - 140	2	30
1,1,2,2-Tetrachloroethane	440		20000	18300		ug/L		92	60 - 140	0	30
Tetrachloroethene	260		20000	22800		ug/L		114	60 - 140	3	30
Toluene	300		20000	20300		ug/L		101	76 - 125	3	30
1,1,1-Trichloroethane	300		20000	19400		ug/L		97	60 - 140	7	30
1,1,2-Trichloroethane	560		20000	19000		ug/L		95	60 - 140	1	30
Trichloroethene	1100		20000	21300		ug/L		101	56 - 118	1	30
Vinyl acetate	420		20000	17100		ug/L		86	60 - 140	4	30
Vinyl chloride	27000		20000	42100		ug/L		77	60 - 140	5	30
o-Xylene	240		20000	20600		ug/L		103	60 - 140	4	30
m-Xylene & p-Xylene	340		40000	41100		ug/L		103	60 - 140	2	30
Xylenes, Total	520		60000	61700		ug/L		103	60 - 140	3	30
cis-1,2-Dichloroethene	4800		20000	22100		ug/L		86	60 - 140	0	30
Bromodichloromethane	320		20000	21300		ug/L		107	60 - 140	8	30
1,2-Dichloroethene, Total	7600		40000	43700		ug/L		90	60 - 140	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*93*		*70 - 130*
Dibromofluoromethane	*84*		*62 - 130*
4-Bromofluorobenzene	*85*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*78*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-76475/4
Matrix: Water
Analysis Batch: 76475

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	18.3		ug/L		91	28 - 152
Benzene	10.0	9.29		ug/L		93	69 - 131
Chlorobromomethane	10.0	9.40		ug/L		94	60 - 141
Bromoform	10.0	9.97		ug/L		100	39 - 149
Bromomethane	10.0	8.41		ug/L		84	52 - 146
2-Butanone (MEK)	20.0	19.3		ug/L		97	59 - 133
Carbon disulfide	10.0	6.91		ug/L		69	32 - 177
Carbon tetrachloride	10.0	8.72		ug/L		87	59 - 147
Dibromochloromethane	10.0	8.79		ug/L		88	58 - 132
Chlorobenzene	10.0	9.84		ug/L		98	60 - 136
Chloroethane	10.0	8.71		ug/L		87	56 - 144
Chloroform	10.0	9.65		ug/L		97	69 - 128
Chloromethane	10.0	5.28		ug/L		53	32 - 151
1,1-Dichloroethane	10.0	9.12		ug/L		91	66 - 126
1,2-Dichloroethane	10.0	9.24		ug/L		92	66 - 140
1,1-Dichloroethene	10.0	8.22		ug/L		82	59 - 145
trans-1,2-Dichloroethene	10.0	8.89		ug/L		89	70 - 132
1,2-Dichloropropane	10.0	9.35		ug/L		94	72 - 125
cis-1,3-Dichloropropene	10.0	8.71		ug/L		87	60 - 135
trans-1,3-Dichloropropene	10.0	8.95		ug/L		89	63 - 133
Ethylbenzene	10.0	9.87		ug/L		99	68 - 128
2-Hexanone	20.0	18.9		ug/L		95	51 - 130
Methylene Chloride	10.0	8.51		ug/L		85	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	18.6		ug/L		93	56 - 142
Styrene	10.0	9.94		ug/L		99	68 - 133
1,1,2,2-Tetrachloroethane	10.0	8.52		ug/L		85	68 - 134
Tetrachloroethene	10.0	11.8		ug/L		118	61 - 142
Toluene	10.0	9.51		ug/L		95	67 - 130
1,1,1-Trichloroethane	10.0	9.45		ug/L		94	65 - 142
1,1,2-Trichloroethane	10.0	9.91		ug/L		99	68 - 130
Trichloroethene	10.0	10.2		ug/L		102	68 - 130
Vinyl acetate	10.0	7.94		ug/L		79	58 - 175
Vinyl chloride	10.0	7.21		ug/L		72	47 - 146
o-Xylene	10.0	9.99		ug/L		100	68 - 134
m-Xylene & p-Xylene	20.0	19.5		ug/L		98	67 - 132
Xylenes, Total	30.0	29.5		ug/L		98	68 - 132
cis-1,2-Dichloroethene	10.0	8.29		ug/L		83	69 - 129
Bromodichloromethane	10.0	9.66		ug/L		97	73 - 130
1,2-Dichloroethene, Total	20.0	17.2		ug/L		86	65 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*90*		*70 - 130*
Dibromofluoromethane	*84*		*62 - 130*
4-Bromofluorobenzene	*88*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*78*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Lab Sample ID: 600-52463-3 MS
Matrix: Water
Analysis Batch: 76201

Client Sample ID: MW-8-SS-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone - DL	500		10000	8410		ug/L		84	60 - 140
Benzene - DL	190		5000	4910		ug/L		94	65 - 125
Chlorobromomethane - DL	90		5000	4790		ug/L		96	60 - 140
Bromoform - DL	95		5000	4690		ug/L		94	60 - 140
Bromomethane - DL	130		5000	4480		ug/L		90	60 - 140
2-Butanone (MEK) - DL	380		10000	10200		ug/L		102	60 - 140
Carbon disulfide - DL	120		5000	3720		ug/L		74	60 - 140
Carbon tetrachloride - DL	75		5000	4340		ug/L		87	60 - 140
Dibromochloromethane - DL	75		5000	4400		ug/L		88	60 - 140
Chlorobenzene - DL	60		5000	5080		ug/L		102	72 - 122
Chloroethane - DL	40		5000	4610		ug/L		92	60 - 140
Chloroform - DL	65		5000	4910		ug/L		98	60 - 140
Chloromethane - DL	90		5000	3050		ug/L		61	60 - 140
1,1-Dichloroethane - DL	55		5000	4750		ug/L		95	60 - 140
1,2-Dichloroethane - DL	70		5000	4780		ug/L		96	60 - 140
1,1-Dichloroethene - DL	200		5000	4500		ug/L		86	22 - 143
trans-1,2-Dichloroethene - DL	45		5000	5050		ug/L		101	60 - 140
1,2-Dichloropropane - DL	80		5000	4930		ug/L		99	60 - 140
cis-1,3-Dichloropropene - DL	90		5000	4410		ug/L		88	60 - 140
trans-1,3-Dichloropropene - DL	110		5000	4630		ug/L		93	60 - 140
Ethylbenzene - DL	55		5000	5210		ug/L		104	60 - 140
2-Hexanone - DL	180		10000	9500		ug/L		95	60 - 140
Methylene Chloride - DL	75		5000	5360		ug/L		107	60 - 140
4-Methyl-2-pentanone (MIBK) - DL	230		10000	9590		ug/L		96	60 - 140
Styrene - DL	35		5000	5220		ug/L		104	60 - 140
1,1,2,2-Tetrachloroethane - DL	110		5000	4740		ug/L		95	60 - 140
Tetrachloroethene - DL	65		5000	5340		ug/L		107	60 - 140
Toluene - DL	75		5000	4970		ug/L		99	76 - 125
1,1,1-Trichloroethane - DL	75		5000	4760		ug/L		95	60 - 140
1,1,2-Trichloroethane - DL	140		5000	4940		ug/L		99	60 - 140
Trichloroethene - DL	90		5000	5030		ug/L		101	56 - 118
Vinyl acetate - DL	110		5000	4390		ug/L		88	60 - 140
Vinyl chloride - DL	8600		5000	11000	F	ug/L		49	60 - 140
o-Xylene - DL	60		5000	5000		ug/L		100	60 - 140
m-Xylene & p-Xylene - DL	85		10000	10100		ug/L		101	60 - 140
Xylenes, Total - DL	130		15000	15100		ug/L		101	60 - 140
cis-1,2-Dichloroethene - DL	30		5000	4600		ug/L		92	60 - 140
Bromodichloromethane - DL	80		5000	4720		ug/L		94	60 - 140
1,2-Dichloroethene, Total - DL	150		10000	9650		ug/L		97	60 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr) - DL	*93*		*70 - 130*
Dibromofluoromethane - DL	*89*		*62 - 130*
4-Bromofluorobenzene - DL	*91*		*67 - 139*
1,2-Dichloroethane-d4 (Surr) - DL	*81*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Lab Sample ID: 600-52463-3 MSD
Matrix: Water
Analysis Batch: 76201

Client Sample ID: MW-8-SS-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone - DL	500		10000	8590		ug/L		86	60 - 140	2	30
Benzene - DL	190		5000	4910		ug/L		94	65 - 125	0	30
Chlorobromomethane - DL	90		5000	4720		ug/L		94	60 - 140	2	30
Bromoform - DL	95		5000	4980		ug/L		100	60 - 140	6	30
Bromomethane - DL	130		5000	4080		ug/L		82	60 - 140	9	30
2-Butanone (MEK) - DL	380		10000	9570		ug/L		96	60 - 140	6	30
Carbon disulfide - DL	120		5000	3620		ug/L		72	60 - 140	3	30
Carbon tetrachloride - DL	75		5000	4560		ug/L		91	60 - 140	5	30
Dibromochloromethane - DL	75		5000	4650		ug/L		93	60 - 140	5	30
Chlorobenzene - DL	60		5000	4980		ug/L		100	72 - 122	2	30
Chloroethane - DL	40		5000	4320		ug/L		86	60 - 140	7	30
Chloroform - DL	65		5000	4890		ug/L		98	60 - 140	0	30
Chloromethane - DL	90		5000	3030		ug/L		61	60 - 140	1	30
1,1-Dichloroethane - DL	55		5000	4800		ug/L		96	60 - 140	1	30
1,2-Dichloroethane - DL	70		5000	4660		ug/L		93	60 - 140	3	30
1,1-Dichloroethene - DL	200		5000	4330		ug/L		83	22 - 143	4	30
trans-1,2-Dichloroethene - DL	45		5000	4750		ug/L		95	60 - 140	6	30
1,2-Dichloropropane - DL	80		5000	4810		ug/L		96	60 - 140	2	30
cis-1,3-Dichloropropene - DL	90		5000	4630		ug/L		93	60 - 140	5	30
trans-1,3-Dichloropropene - DL	110		5000	4780		ug/L		96	60 - 140	3	30
Ethylbenzene - DL	55		5000	5080		ug/L		102	60 - 140	3	30
2-Hexanone - DL	180		10000	9750		ug/L		97	60 - 140	3	30
Methylene Chloride - DL	75		5000	5050		ug/L		101	60 - 140	6	30
4-Methyl-2-pentanone (MIBK) - DL	230		10000	9360		ug/L		94	60 - 140	2	30
Styrene - DL	35		5000	5100		ug/L		102	60 - 140	2	30
1,1,2,2-Tetrachloroethane - DL	110		5000	4690		ug/L		94	60 - 140	1	30
Tetrachloroethene - DL	65		5000	5320		ug/L		106	60 - 140	0	30
Toluene - DL	75		5000	4910		ug/L		98	76 - 125	1	30
1,1,1-Trichloroethane - DL	75		5000	4850		ug/L		97	60 - 140	2	30
1,1,2-Trichloroethane - DL	140		5000	4680		ug/L		94	60 - 140	6	30
Trichloroethene - DL	90		5000	5050		ug/L		101	56 - 118	0	30
Vinyl acetate - DL	110		5000	4650		ug/L		93	60 - 140	6	30
Vinyl chloride - DL	8600		5000	10500	F	ug/L		38	60 - 140	5	30
o-Xylene - DL	60		5000	4950		ug/L		99	60 - 140	1	30
m-Xylene & p-Xylene - DL	85		10000	10100		ug/L		101	60 - 140	1	30
Xylenes, Total - DL	130		15000	15100		ug/L		100	60 - 140	0	30
cis-1,2-Dichloroethene - DL	30		5000	4410		ug/L		88	60 - 140	4	30
Bromodichloromethane - DL	80		5000	5030		ug/L		101	60 - 140	6	30
1,2-Dichloroethene, Total - DL	150		10000	9160		ug/L		92	60 - 140	5	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr) - DL	*90*		*70 - 130*
Dibromofluoromethane - DL	*84*		*62 - 130*
4-Bromofluorobenzene - DL	*88*		*67 - 139*
1,2-Dichloroethane-d4 (Surr) - DL	*80*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2

Lab Sample ID: 600-52463-4 MS
Matrix: Water
Analysis Batch: 76373

Client Sample ID: MW-11-SS-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone - DL2	2000		40000	32300		ug/L		81	60 - 140
Benzene - DL2	180		20000	18900		ug/L		94	65 - 125
Chlorobromomethane - DL2	360		20000	18500		ug/L		92	60 - 140
Bromoform - DL2	380		20000	18700		ug/L		94	60 - 140
Bromomethane - DL2	500		20000	17100		ug/L		86	60 - 140
2-Butanone (MEK) - DL2	1500		40000	41400		ug/L		104	60 - 140
Carbon disulfide - DL2	480		20000	14200		ug/L		71	60 - 140
Carbon tetrachloride - DL2	300		20000	15900		ug/L		79	60 - 140
Dibromochloromethane - DL2	300		20000	17000		ug/L		85	60 - 140
Chlorobenzene - DL2	240		20000	20500		ug/L		102	72 - 122
Chloroethane - DL2	160		20000	17900		ug/L		89	60 - 140
Chloroform - DL2	260		20000	19500		ug/L		97	60 - 140
Chloromethane - DL2	360		20000	11500	F	ug/L		57	60 - 140
1,1-Dichloroethane - DL2	1300		20000	19700		ug/L		92	60 - 140
1,2-Dichloroethane - DL2	3000		20000	21600		ug/L		93	60 - 140
1,1-Dichloroethene - DL2	650		20000	17100		ug/L		83	22 - 143
trans-1,2-Dichloroethene - DL2	2800		20000	21200		ug/L		92	60 - 140
1,2-Dichloropropane - DL2	320		20000	18900		ug/L		94	60 - 140
cis-1,3-Dichloropropene - DL2	360		20000	17600		ug/L		88	60 - 140
trans-1,3-Dichloropropene - DL2	420		20000	18000		ug/L		90	60 - 140
Ethylbenzene - DL2	220		20000	20200		ug/L		101	60 - 140
2-Hexanone - DL2	700		40000	38900		ug/L		97	60 - 140
Methylene Chloride - DL2	300		20000	17000		ug/L		85	60 - 140
4-Methyl-2-pentanone (MIBK) - DL2	900		40000	39100		ug/L		98	60 - 140
Styrene - DL2	140		20000	20300		ug/L		102	60 - 140
1,1,2,2-Tetrachloroethane - DL2	440		20000	18300		ug/L		92	60 - 140
Tetrachloroethene - DL2	260		20000	22000		ug/L		110	60 - 140
Toluene - DL2	300		20000	19700		ug/L		99	76 - 125
1,1,1-Trichloroethane - DL2	300		20000	18100		ug/L		90	60 - 140
1,1,2-Trichloroethane - DL2	560		20000	18700		ug/L		94	60 - 140
Trichloroethene - DL2	1100		20000	21500		ug/L		102	56 - 118
Vinyl acetate - DL2	420		20000	16500		ug/L		82	60 - 140
Vinyl chloride - DL2	27000		20000	44200		ug/L		87	60 - 140
o-Xylene - DL2	240		20000	19900		ug/L		99	60 - 140
m-Xylene & p-Xylene - DL2	340		40000	40100		ug/L		100	60 - 140
Xylenes, Total - DL2	520		60000	60000		ug/L		100	60 - 140
cis-1,2-Dichloroethene - DL2	4800		20000	22100		ug/L		87	60 - 140
Bromodichloromethane - DL2	320		20000	19700		ug/L		98	60 - 140
1,2-Dichloroethene, Total - DL2	7600		40000	43300		ug/L		89	60 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr) - DL2	*93*		*70 - 130*
Dibromofluoromethane - DL2	*84*		*62 - 130*
4-Bromofluorobenzene - DL2	*86*		*67 - 139*
1,2-Dichloroethane-d4 (Surr) - DL2	*77*		*50 - 134*

QC Association Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-52463-1

GC/MS VOA

Analysis Batch: 75890

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-52463-1	MW-71-SS-2	Total/NA	Water	8260B	
600-52463-1 - DL	MW-71-SS-2	Total/NA	Water	8260B	
600-52463-1 - DL2	MW-71-SS-2	Total/NA	Water	8260B	
600-52463-2 - DL	MW-65-SS-2	Total/NA	Water	8260B	
600-52463-2 - DL2	MW-65-SS-2	Total/NA	Water	8260B	
600-52463-2	MW-65-SS-2	Total/NA	Water	8260B	
600-52463-4	MW-11-SS-2	Total/NA	Water	8260B	
600-52463-5	MW-40-SS-2	Total/NA	Water	8260B	
600-52463-6	MW-68-SS-2	Total/NA	Water	8260B	
600-52463-7	MW-66-SS-2	Total/NA	Water	8260B	
600-52463-8	MW-4-SS-2	Total/NA	Water	8260B	
LCS 600-75890/3	Lab Control Sample	Total/NA	Water	8260B	
MB 600-75890/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 76201

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-52463-3 - DL	MW-8-SS-2	Total/NA	Water	8260B	
600-52463-3	MW-8-SS-2	Total/NA	Water	8260B	
600-52463-3 MS - DL	MW-8-SS-2	Total/NA	Water	8260B	
600-52463-3 MSD - DL	MW-8-SS-2	Total/NA	Water	8260B	
LCS 600-76201/3	Lab Control Sample	Total/NA	Water	8260B	
MB 600-76201/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 76373

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-52463-4 - DL2	MW-11-SS-2	Total/NA	Water	8260B	
600-52463-4 - DL	MW-11-SS-2	Total/NA	Water	8260B	
600-52463-4 MS - DL2	MW-11-SS-2	Total/NA	Water	8260B	
600-52463-4 MSD	MW-11-SS-2	Total/NA	Water	8260B	
600-52463-5 - DL	MW-40-SS-2	Total/NA	Water	8260B	
600-52463-7 - DL2	MW-66-SS-2	Total/NA	Water	8260B	
600-52463-7 - DL	MW-66-SS-2	Total/NA	Water	8260B	
600-52463-8 - DL	MW-4-SS-2	Total/NA	Water	8260B	
600-52463-8 - DL2	MW-4-SS-2	Total/NA	Water	8260B	
LCS 600-76373/3	Lab Control Sample	Total/NA	Water	8260B	
MB 600-76373/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 76475

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-52463-6 - DL	MW-68-SS-2	Total/NA	Water	8260B	
LCS 600-76475/4	Lab Control Sample	Total/NA	Water	8260B	

Lab Chronicle

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-52463-1

Client Sample ID: MW-71-SS-2 — Lab Sample ID: 600-52463-1

Date Collected: 03/22/12 09:20 — **Matrix: Water**
Date Received: 03/22/12 12:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		50	75890	03/28/12 15:02	DT	TAL HOU
Total/NA	Analysis	8260B	DL	500	75890	03/28/12 18:58	DT	TAL HOU
Total/NA	Analysis	8260B	DL2	5000	75890	03/28/12 19:26	DT	TAL HOU

Client Sample ID: MW-65-SS-2 — Lab Sample ID: 600-52463-2

Date Collected: 03/22/12 09:35 — **Matrix: Water**
Date Received: 03/22/12 12:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	500	75890	03/28/12 19:53	DT	TAL HOU
Total/NA	Analysis	8260B	DL2	5000	75890	03/28/12 20:21	DT	TAL HOU
Total/NA	Analysis	8260B		50	75890	03/28/12 20:48	DT	TAL HOU

Client Sample ID: MW-8-SS-2 — Lab Sample ID: 600-52463-3

Date Collected: 03/22/12 09:55 — **Matrix: Water**
Date Received: 03/22/12 12:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	500	76201	03/30/12 17:28	DT	TAL HOU
Total/NA	Analysis	8260B		10	76201	03/30/12 21:35	DT	TAL HOU

Client Sample ID: MW-11-SS-2 — Lab Sample ID: 600-52463-4

Date Collected: 03/22/12 10:10 — **Matrix: Water**
Date Received: 03/22/12 12:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		50	75890	03/28/12 16:41	DT	TAL HOU
Total/NA	Analysis	8260B	DL2	2000	76373	04/02/12 16:10	DT	TAL HOU
Total/NA	Analysis	8260B	DL	500	76373	04/02/12 13:54	DT	TAL HOU

Client Sample ID: MW-40-SS-2 — Lab Sample ID: 600-52463-5

Date Collected: 03/22/12 10:20 — **Matrix: Water**
Date Received: 03/22/12 12:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		50	75890	03/28/12 17:08	DT	TAL HOU
Total/NA	Analysis	8260B	DL	200	76373	04/02/12 16:38	DT	TAL HOU

Lab Chronicle

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-52463-1

Client Sample ID: MW-68-SS-2

Lab Sample ID: 600-52463-6

Date Collected: 03/22/12 10:30
Matrix: Water
Date Received: 03/22/12 12:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		50	75890	03/28/12 17:36	DT	TAL HOU
Total/NA	Analysis	8260B	DL	500	76475	04/04/12 14:38	DT	TAL HOU

Client Sample ID: MW-66-SS-2

Lab Sample ID: 600-52463-7

Date Collected: 03/22/12 10:40
Matrix: Water
Date Received: 03/22/12 12:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		50	75890	03/28/12 18:03	DT	TAL HOU
Total/NA	Analysis	8260B	DL2	5000	76373	04/02/12 17:33	DT	TAL HOU
Total/NA	Analysis	8260B	DL	500	76373	04/02/12 14:21	DT	TAL HOU

Client Sample ID: MW-4-SS-2

Lab Sample ID: 600-52463-8

Date Collected: 03/22/12 10:50
Matrix: Water
Date Received: 03/22/12 12:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		50	75890	03/28/12 18:30	DT	TAL HOU
Total/NA	Analysis	8260B	DL	500	76373	04/02/12 14:49	DT	TAL HOU
Total/NA	Analysis	8260B	DL2	5000	76373	04/02/12 18:00	DT	TAL HOU

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Certification Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-52463-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Houston	Arkansas DEQ	State Program	6	88-0759
TestAmerica Houston	Louisiana	NELAC	6	30643
TestAmerica Houston	Oklahoma	State Program	6	9503
TestAmerica Houston	Texas	NELAC	6	T104704223-10-6-TX
TestAmerica Houston	USDA	Federal		P330-08-00217
TestAmerica Houston	Utah	NELAC	8	GULF

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-52463-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL HOU

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Sample Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-52463-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
600-52463-1	MW-71-SS-2	Water	03/22/12 09:20	03/22/12 12:58
600-52463-2	MW-65-SS-2	Water	03/22/12 09:35	03/22/12 12:58
600-52463-3	MW-8-SS-2	Water	03/22/12 09:55	03/22/12 12:58
600-52463-4	MW-11-SS-2	Water	03/22/12 10:10	03/22/12 12:58
600-52463-5	MW-40-SS-2	Water	03/22/12 10:20	03/22/12 12:58
600-52463-6	MW-68-SS-2	Water	03/22/12 10:30	03/22/12 12:58
600-52463-7	MW-66-SS-2	Water	03/22/12 10:40	03/22/12 12:58
600-52463-8	MW-4-SS-2	Water	03/22/12 10:50	03/22/12 12:58

TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Phone (713) 690-4444 Fax (713) 690-5646

Chain of Custody Record

TestAmerica

Client Information	Sampler: KATE HAMEL	Lab PM: Kudchadkar, Sachin G	Carrier Tracking No(s):	COC No: 600-11558-5028.1
Client Contact: Ms. Kate Hamel	Phone: 713-522-6300	E-Mail: sachin.kudchadkar@testamericainc.com		Page: Page 1 of 1
Company: Groundwater Services, Inc.				Job #: G-3460
Address: 2211 Norfolk, Suite 1000	Due Date Requested:			
City: Houston	TAT Requested (days): STANDARD			
State, Zip: TX, 77098-4044				
Phone: 713-522-6300(Tel)	PO #: Purchase Order not requir			
Email: kchamel@gsi-net.com, tem@gsi-net.com	WO #:			
Project Name: G-3460	Project #: 60002425			
Site: N-80	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B_LL - Target Compound List	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
MW-71-SS-2	3/22/12	920	G	Water			✓		
MW-65-SS-2		935		Water			✓		
MW-8-SS-2		955		Water			✓		
MW-11-SS-2		1010		Water			✓		
MW-40-SS-2		1020		Water			✓		
MW-68-SS-2		1030		Water			✓		
MW-66-SS-2		1040		Water			✓		
MW-4-SS-2		1050		Water			✓		
				Water					
				Water					

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: STANDARD QA/QC

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: KATE HAMEL	Date/Time: 3/22/12	Company GSI	Received by:	Date/Time: 3/22/12	Company GSI
Relinquished by: B. T. Mul	Date/Time: 3/22/12 1258	Company GSI	Received by:	Date/Time: 3/22/12 1258	Company TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Login Sample Receipt Checklist

Client: Groundwater Services, Inc.

Job Number: 600-52463-1

Login Number: 52463
List Number: 1
Creator: Trenery, Michael J

List Source: TestAmerica Houston

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.3
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Tel: (713)690-4444

TestAmerica Job ID: 600-51267-1
Client Project/Site: G-3460 N-80

For:
Groundwater Services, Inc.
2211 Norfolk, Suite 1000
Houston, Texas 77098-4044

Attn: Ms. Kate Hamel

Authorized for release by:
3/13/2012 6:40:17 PM
Cathy Upton
LAN Analyst
cathy.upton@testamericainc.com

Designee for

Sachin Kudchadkar
Project Manager II
sachin.kudchadkar@testamericainc.com

LINKS

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Have a Question? Ask The Expert

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-51267-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
X	Surrogate is outside control limits
*	LCS or LCSD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 600-51267-1

Laboratory: TestAmerica Houston

Narrative

Job Narrative
600-51267-1

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
Method(s) 8260B: Surrogate recovery for the following sample(s) was outside control limits: DUP-NP-2 (600-51267-9), MW-8-NP-2 (600-51267-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis is performed for higher dilution for target compound.

Method(s) 8260B: The following sample(s) was diluted due to the abundance of target analytes: MW-11-NP-2 (600-51267-4), MW-40-NP-2 (600-51267-5), MW-68-NP-2 (600-51267-6). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for 5 analytes to recover outside criteria for this method when a full list spike is utilized. The <<PICK ONE>> LCS/LCSD/MS/MSD associated with batch 74480 had 1 analytes outside control limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8260B: The method blank for batch 74480 contained methylene chloride and Tetrachloroethene above the method detection limit. These target analytes concentration were less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 8260B: The method blank for batch 74536 contained vinyl chloride above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 8260B: The following sample(s) was diluted due to the abundance of target analytes: MW-4-NP-2 (600-51267-8), MW-65-NP-2 (600-51267-2), MW-66-NP-2 (600-51267-7), MW-71-NP-2 (600-51267-1). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

Detection Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-51267-1

Client Sample ID: MW-71-NP-2 — Lab Sample ID: 600-51267-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3800		500	99	ug/L	100		8260B	Total/NA
Benzene	4300		100	8.0	ug/L	100		8260B	Total/NA
Carbon disulfide	24	J	200	24	ug/L	100		8260B	Total/NA
Chlorobenzene	160		100	12	ug/L	100		8260B	Total/NA
1,1-Dichloroethane	1200		100	11	ug/L	100		8260B	Total/NA
1,1-Dichloroethene	790		100	19	ug/L	100		8260B	Total/NA
trans-1,2-Dichloroethene	1500		100	9.0	ug/L	100		8260B	Total/NA
Ethylbenzene	830		100	11	ug/L	100		8260B	Total/NA
Methylene Chloride	110	J	500	15	ug/L	100		8260B	Total/NA
Tetrachloroethene	40	J	100	13	ug/L	100		8260B	Total/NA
Toluene	140		100	15	ug/L	100		8260B	Total/NA
Trichloroethene	180		100	18	ug/L	100		8260B	Total/NA
m-Xylene & p-Xylene	100		100	17	ug/L	100		8260B	Total/NA
Xylenes, Total	100		100	26	ug/L	100		8260B	Total/NA
cis-1,2-Dichloroethene	890		100	6.0	ug/L	100		8260B	Total/NA
1,2-Dichloroethene, Total	2400		100	30	ug/L	100		8260B	Total/NA
1,1,2-Trichloroethane - DL	24000		2000	560	ug/L	2000		8260B	Total/NA
Vinyl chloride - DL	90000		4000	220	ug/L	2000		8260B	Total/NA
1,2-Dichloroethane - DL2	66000		10000	1400	ug/L	10000		8260B	Total/NA

Client Sample ID: MW-65-NP-2 — Lab Sample ID: 600-51267-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	3600		100	8.0	ug/L	100		8260B	Total/NA
Chlorobenzene	1400		100	12	ug/L	100		8260B	Total/NA
Chloroform	36	J	100	13	ug/L	100		8260B	Total/NA
1,1-Dichloroethane	2900		100	11	ug/L	100		8260B	Total/NA
1,2-Dichloroethane	370		100	14	ug/L	100		8260B	Total/NA
1,1-Dichloroethene	1100		100	19	ug/L	100		8260B	Total/NA
trans-1,2-Dichloroethene	3200		100	9.0	ug/L	100		8260B	Total/NA
Ethylbenzene	1100		100	11	ug/L	100		8260B	Total/NA
Styrene	34	J	100	7.0	ug/L	100		8260B	Total/NA
Tetrachloroethene	140		100	13	ug/L	100		8260B	Total/NA
Toluene	330		100	15	ug/L	100		8260B	Total/NA
Trichloroethene	390		100	18	ug/L	100		8260B	Total/NA
o-Xylene	33	J	100	12	ug/L	100		8260B	Total/NA
m-Xylene & p-Xylene	140		100	17	ug/L	100		8260B	Total/NA
Xylenes, Total	170		100	26	ug/L	100		8260B	Total/NA
cis-1,2-Dichloroethene	480		100	6.0	ug/L	100		8260B	Total/NA
1,2-Dichloroethene, Total	3700		100	30	ug/L	100		8260B	Total/NA
Vinyl chloride - DL2	160000	B	10000	550	ug/L	5000		8260B	Total/NA

Client Sample ID: MW-8-NP-2 — Lab Sample ID: 600-51267-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	96		5.0	0.99	ug/L	1		8260B	Total/NA
2-Butanone (MEK)	11		2.0	0.76	ug/L	1		8260B	Total/NA
Carbon disulfide	7.5		2.0	0.24	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	22		1.0	0.19	ug/L	1		8260B	Total/NA
Methylene Chloride	0.54	J B	5.0	0.15	ug/L	1		8260B	Total/NA
Styrene	6.2		1.0	0.070	ug/L	1		8260B	Total/NA
Tetrachloroethene	1.6	B *	1.0	0.13	ug/L	1		8260B	Total/NA
Toluene	40		1.0	0.15	ug/L	1		8260B	Total/NA
1,1,1-Trichloroethane	0.16	J	1.0	0.15	ug/L	1		8260B	Total/NA

Client Sample ID: MW-8-NP-2 (Continued) — Lab Sample ID: 600-51267-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloroethane	1.2		1.0	0.28	ug/L	1		8260B	Total/NA
Trichloroethene	11		1.0	0.18	ug/L	1		8260B	Total/NA
o-Xylene	7.3		1.0	0.12	ug/L	1		8260B	Total/NA
m-Xylene & p-Xylene	4.0		1.0	0.17	ug/L	1		8260B	Total/NA
Xylenes, Total	11		1.0	0.26	ug/L	1		8260B	Total/NA
Benzene - DL	480		20	1.6	ug/L	20		8260B	Total/NA
Chlorobenzene - DL	130		20	2.4	ug/L	20		8260B	Total/NA
1,1-Dichloroethane - DL	250		20	2.2	ug/L	20		8260B	Total/NA
1,2-Dichloroethane - DL	70		20	2.8	ug/L	20		8260B	Total/NA
trans-1,2-Dichloroethene - DL	120		20	1.8	ug/L	20		8260B	Total/NA
Ethylbenzene - DL	280		20	2.2	ug/L	20		8260B	Total/NA
Vinyl chloride - DL	780		40	2.2	ug/L	20		8260B	Total/NA
cis-1,2-Dichloroethene - DL	21		20	1.2	ug/L	20		8260B	Total/NA
1,2-Dichloroethene, Total - DL	140		20	6.0	ug/L	20		8260B	Total/NA

Client Sample ID: MW-11-NP-2 — Lab Sample ID: 600-51267-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	99		5.0	0.40	ug/L	5		8260B	Total/NA
Carbon disulfide	2.6	J	10	1.2	ug/L	5		8260B	Total/NA
Chlorobenzene	220		5.0	0.60	ug/L	5		8260B	Total/NA
1,1-Dichloroethene	210		5.0	0.95	ug/L	5		8260B	Total/NA
Ethylbenzene	17		5.0	0.55	ug/L	5		8260B	Total/NA
Methylene Chloride	1.5	J B	25	0.75	ug/L	5		8260B	Total/NA
Styrene	1.0	J	5.0	0.35	ug/L	5		8260B	Total/NA
Tetrachloroethene	3.1	J B *	5.0	0.65	ug/L	5		8260B	Total/NA
Toluene	10		5.0	0.75	ug/L	5		8260B	Total/NA
1,1,2-Trichloroethane	7.1		5.0	1.4	ug/L	5		8260B	Total/NA
m-Xylene & p-Xylene	4.7	J	5.0	0.85	ug/L	5		8260B	Total/NA
Xylenes, Total	4.7	J	5.0	1.3	ug/L	5		8260B	Total/NA
1,1-Dichloroethane - DL	870		100	11	ug/L	100		8260B	Total/NA
1,2-Dichloroethane - DL	360		100	14	ug/L	100		8260B	Total/NA
trans-1,2-Dichloroethene - DL	880		100	9.0	ug/L	100		8260B	Total/NA
Trichloroethene - DL	260		100	18	ug/L	100		8260B	Total/NA
Vinyl chloride - DL	11000	B	1000	55	ug/L	500		8260B	Total/NA
cis-1,2-Dichloroethene - DL	1700		100	6.0	ug/L	100		8260B	Total/NA
1,2-Dichloroethene, Total - DL	2600		100	30	ug/L	100		8260B	Total/NA

Client Sample ID: MW-40-NP-2 — Lab Sample ID: 600-51267-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	9.5	J	25	5.0	ug/L	5		8260B	Total/NA
Benzene	99		5.0	0.40	ug/L	5		8260B	Total/NA
Carbon disulfide	11		10	1.2	ug/L	5		8260B	Total/NA
1,2-Dichloroethane	8.4		5.0	0.70	ug/L	5		8260B	Total/NA
1,1-Dichloroethene	1.9	J	5.0	0.95	ug/L	5		8260B	Total/NA
trans-1,2-Dichloroethene	11		5.0	0.45	ug/L	5		8260B	Total/NA
Ethylbenzene	91		5.0	0.55	ug/L	5		8260B	Total/NA
Styrene	2.8	J	5.0	0.35	ug/L	5		8260B	Total/NA
Tetrachloroethene	1.8	J B *	5.0	0.65	ug/L	5		8260B	Total/NA
Toluene	22		5.0	0.75	ug/L	5		8260B	Total/NA
1,1,2-Trichloroethane	3.4	J	5.0	1.4	ug/L	5		8260B	Total/NA
Trichloroethene	3.2	J	5.0	0.90	ug/L	5		8260B	Total/NA
o-Xylene	0.98	J	5.0	0.60	ug/L	5		8260B	Total/NA

Client Sample ID: MW-40-NP-2 (Continued) — Lab Sample ID: 600-51267-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
m-Xylene & p-Xylene	5.3		5.0	0.85	ug/L	5		8260B	Total/NA
Xylenes, Total	6.3		5.0	1.3	ug/L	5		8260B	Total/NA
cis-1,2-Dichloroethene	6.7		5.0	0.30	ug/L	5		8260B	Total/NA
1,2-Dichloroethene, Total	18		5.0	1.5	ug/L	5		8260B	Total/NA
Chlorobenzene - DL	340		50	6.0	ug/L	50		8260B	Total/NA
1,1-Dichloroethane - DL	430		50	5.5	ug/L	50		8260B	Total/NA
Vinyl chloride - DL	1500	B	400	22	ug/L	200		8260B	Total/NA

Client Sample ID: MW-68-NP-2 — Lab Sample ID: 600-51267-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	160		5.0	0.40	ug/L	5		8260B	Total/NA
Carbon disulfide	11		10	1.2	ug/L	5		8260B	Total/NA
Chlorobenzene	52		5.0	0.60	ug/L	5		8260B	Total/NA
1,1-Dichloroethane	140		5.0	0.55	ug/L	5		8260B	Total/NA
1,2-Dichloroethane	6.2		5.0	0.70	ug/L	5		8260B	Total/NA
1,1-Dichloroethene	5.9		5.0	0.95	ug/L	5		8260B	Total/NA
Styrene	1.4	J	5.0	0.35	ug/L	5		8260B	Total/NA
Tetrachloroethene	1.3	J B *	5.0	0.65	ug/L	5		8260B	Total/NA
Toluene	59		5.0	0.75	ug/L	5		8260B	Total/NA
1,1,2-Trichloroethane	3.4	J	5.0	1.4	ug/L	5		8260B	Total/NA
o-Xylene	1.8	J	5.0	0.60	ug/L	5		8260B	Total/NA
m-Xylene & p-Xylene	6.3		5.0	0.85	ug/L	5		8260B	Total/NA
Xylenes, Total	8.1		5.0	1.3	ug/L	5		8260B	Total/NA
trans-1,2-Dichloroethene - DL	620		50	4.5	ug/L	50		8260B	Total/NA
Ethylbenzene - DL	300		50	5.5	ug/L	50		8260B	Total/NA
Vinyl chloride - DL	9600		400	22	ug/L	200		8260B	Total/NA
cis-1,2-Dichloroethene - DL	28	J	50	3.0	ug/L	50		8260B	Total/NA
1,2-Dichloroethene, Total - DL	650		50	15	ug/L	50		8260B	Total/NA

Client Sample ID: MW-66-NP-2 — Lab Sample ID: 600-51267-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1000		500	99	ug/L	100		8260B	Total/NA
2-Butanone (MEK)	240		200	76	ug/L	100		8260B	Total/NA
Carbon disulfide	89	J	200	24	ug/L	100		8260B	Total/NA
Chlorobenzene	1000		100	12	ug/L	100		8260B	Total/NA
Chloroform	21	J	100	13	ug/L	100		8260B	Total/NA
1,1-Dichloroethane	3200		100	11	ug/L	100		8260B	Total/NA
1,1-Dichloroethene	2200		100	19	ug/L	100		8260B	Total/NA
trans-1,2-Dichloroethene	3000		100	9.0	ug/L	100		8260B	Total/NA
Ethylbenzene	2500		100	11	ug/L	100		8260B	Total/NA
Methylene Chloride	220	J	500	15	ug/L	100		8260B	Total/NA
Styrene	540		100	7.0	ug/L	100		8260B	Total/NA
Tetrachloroethene	80	J	100	13	ug/L	100		8260B	Total/NA
Toluene	1600		100	15	ug/L	100		8260B	Total/NA
1,1,1-Trichloroethane	380		100	15	ug/L	100		8260B	Total/NA
Trichloroethene	910		100	18	ug/L	100		8260B	Total/NA
o-Xylene	12	J	100	12	ug/L	100		8260B	Total/NA
m-Xylene & p-Xylene	100		100	17	ug/L	100		8260B	Total/NA
Xylenes, Total	110		100	26	ug/L	100		8260B	Total/NA
cis-1,2-Dichloroethene	1400		100	6.0	ug/L	100		8260B	Total/NA
1,2-Dichloroethene, Total	4400		100	30	ug/L	100		8260B	Total/NA
Benzene - DL	4600		1000	80	ug/L	1000		8260B	Total/NA

Client Sample ID: MW-66-NP-2 (Continued) — Lab Sample ID: 600-51267-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane - DL2	130000		5000	700	ug/L	5000		8260B	Total/NA
1,1,2-Trichloroethane - DL2	74000		5000	1400	ug/L	5000		8260B	Total/NA
Vinyl chloride - DL2	68000	B	10000	550	ug/L	5000		8260B	Total/NA

Client Sample ID: MW-4-NP-2 — Lab Sample ID: 600-51267-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	4200		100	8.0	ug/L	100		8260B	Total/NA
Chlorobenzene	900		100	12	ug/L	100		8260B	Total/NA
1,1-Dichloroethane	4700		100	11	ug/L	100		8260B	Total/NA
Ethylbenzene	680		100	11	ug/L	100		8260B	Total/NA
Styrene	14	J	100	7.0	ug/L	100		8260B	Total/NA
Tetrachloroethene	340		100	13	ug/L	100		8260B	Total/NA
Toluene	240		100	15	ug/L	100		8260B	Total/NA
Trichloroethene	1500		100	18	ug/L	100		8260B	Total/NA
o-Xylene	19	J	100	12	ug/L	100		8260B	Total/NA
m-Xylene & p-Xylene	110		100	17	ug/L	100		8260B	Total/NA
Xylenes, Total	130		100	26	ug/L	100		8260B	Total/NA
1,1-Dichloroethene - DL	8200		1000	190	ug/L	1000		8260B	Total/NA
trans-1,2-Dichloroethene - DL	8200		1000	90	ug/L	1000		8260B	Total/NA
cis-1,2-Dichloroethene - DL	4500		1000	60	ug/L	1000		8260B	Total/NA
1,2-Dichloroethene, Total - DL	13000		1000	300	ug/L	1000		8260B	Total/NA
1,2-Dichloroethane - DL2	62000		5000	700	ug/L	5000		8260B	Total/NA
Vinyl chloride - DL2	180000	B	10000	550	ug/L	5000		8260B	Total/NA

Client Sample ID: DUP-NP-2 — Lab Sample ID: 600-51267-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	91		5.0	0.99	ug/L	1		8260B	Total/NA
2-Butanone (MEK)	63		2.0	0.76	ug/L	1		8260B	Total/NA
Carbon disulfide	8.0		2.0	0.24	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	21		1.0	0.19	ug/L	1		8260B	Total/NA
2-Hexanone	1.7	J	2.0	0.35	ug/L	1		8260B	Total/NA
Methylene Chloride	0.39	J B	5.0	0.15	ug/L	1		8260B	Total/NA
Styrene	8.3		1.0	0.070	ug/L	1		8260B	Total/NA
Tetrachloroethene	1.4	B *	1.0	0.13	ug/L	1		8260B	Total/NA
Toluene	36		1.0	0.15	ug/L	1		8260B	Total/NA
1,1,2-Trichloroethane	0.96	J	1.0	0.28	ug/L	1		8260B	Total/NA
Trichloroethene	8.5		1.0	0.18	ug/L	1		8260B	Total/NA
o-Xylene	6.5		1.0	0.12	ug/L	1		8260B	Total/NA
m-Xylene & p-Xylene	3.7		1.0	0.17	ug/L	1		8260B	Total/NA
Xylenes, Total	10		1.0	0.26	ug/L	1		8260B	Total/NA
Benzene - DL	450		20	1.6	ug/L	20		8260B	Total/NA
Chlorobenzene - DL	120		20	2.4	ug/L	20		8260B	Total/NA
1,1-Dichloroethane - DL	240		20	2.2	ug/L	20		8260B	Total/NA
1,2-Dichloroethane - DL	65		20	2.8	ug/L	20		8260B	Total/NA
trans-1,2-Dichloroethene - DL	100		20	1.8	ug/L	20		8260B	Total/NA
Ethylbenzene - DL	250		20	2.2	ug/L	20		8260B	Total/NA
Vinyl chloride - DL	650		40	2.2	ug/L	20		8260B	Total/NA
cis-1,2-Dichloroethene - DL	15	J	20	1.2	ug/L	20		8260B	Total/NA
1,2-Dichloroethene, Total - DL	120		20	6.0	ug/L	20		8260B	Total/NA

Detection Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-51267-1

Client Sample ID: Trip Blank **Lab Sample ID: 600-51267-10**

No Detections

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-51267-1

Client Sample ID: MW-71-NP-2

Lab Sample ID: 600-51267-1

Date Collected: 02/29/12 08:10

Matrix: Water

Date Received: 02/29/12 13:32

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**3800**		500	99	ug/L			03/12/12 18:36	100
Benzene	**4300**		100	8.0	ug/L			03/12/12 18:36	100
Chlorobromomethane	18	U	100	18	ug/L			03/12/12 18:36	100
Bromoform	19	U	100	19	ug/L			03/12/12 18:36	100
Bromomethane	25	U	200	25	ug/L			03/12/12 18:36	100
2-Butanone (MEK)	76	U	200	76	ug/L			03/12/12 18:36	100
Carbon disulfide	**24**	**J**	200	24	ug/L			03/12/12 18:36	100
Carbon tetrachloride	15	U	100	15	ug/L			03/12/12 18:36	100
Dibromochloromethane	15	U	100	15	ug/L			03/12/12 18:36	100
Chlorobenzene	**160**		100	12	ug/L			03/12/12 18:36	100
Chloroethane	8.0	U	200	8.0	ug/L			03/12/12 18:36	100
Chloroform	13	U	100	13	ug/L			03/12/12 18:36	100
Chloromethane	18	U	200	18	ug/L			03/12/12 18:36	100
1,1-Dichloroethane	**1200**		100	11	ug/L			03/12/12 18:36	100
1,1-Dichloroethene	**790**		100	19	ug/L			03/12/12 18:36	100
trans-1,2-Dichloroethene	**1500**		100	9.0	ug/L			03/12/12 18:36	100
1,2-Dichloropropane	16	U	100	16	ug/L			03/12/12 18:36	100
cis-1,3-Dichloropropene	18	U	100	18	ug/L			03/12/12 18:36	100
trans-1,3-Dichloropropene	21	U	100	21	ug/L			03/12/12 18:36	100
Ethylbenzene	**830**		100	11	ug/L			03/12/12 18:36	100
2-Hexanone	35	U	200	35	ug/L			03/12/12 18:36	100
Methylene Chloride	**110**	**J**	500	15	ug/L			03/12/12 18:36	100
4-Methyl-2-pentanone (MIBK)	45	U	200	45	ug/L			03/12/12 18:36	100
Styrene	7.0	U	100	7.0	ug/L			03/12/12 18:36	100
1,1,2,2-Tetrachloroethane	22	U	100	22	ug/L			03/12/12 18:36	100
Tetrachloroethene	**40**	**J**	100	13	ug/L			03/12/12 18:36	100
Toluene	**140**		100	15	ug/L			03/12/12 18:36	100
1,1,1-Trichloroethane	15	U	100	15	ug/L			03/12/12 18:36	100
Trichloroethene	**180**		100	18	ug/L			03/12/12 18:36	100
Vinyl acetate	21	U	200	21	ug/L			03/12/12 18:36	100
o-Xylene	12	U	100	12	ug/L			03/12/12 18:36	100
m-Xylene & p-Xylene	**100**		100	17	ug/L			03/12/12 18:36	100
Xylenes, Total	**100**		100	26	ug/L			03/12/12 18:36	100
cis-1,2-Dichloroethene	**890**		100	6.0	ug/L			03/12/12 18:36	100
Bromodichloromethane	16	U	100	16	ug/L			03/12/12 18:36	100
1,2-Dichloroethene, Total	**2400**		100	30	ug/L			03/12/12 18:36	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*70 - 130*		*03/12/12 18:36*	*100*
Dibromofluoromethane	*91*		*62 - 130*		*03/12/12 18:36*	*100*
4-Bromofluorobenzene	*79*		*67 - 139*		*03/12/12 18:36*	*100*
1,2-Dichloroethane-d4 (Surr)	*82*		*50 - 134*		*03/12/12 18:36*	*100*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	**24000**		2000	560	ug/L			03/12/12 15:17	2000
Vinyl chloride	**90000**		4000	220	ug/L			03/12/12 15:17	2000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*70 - 130*		*03/12/12 15:17*	*2000*
Dibromofluoromethane	*89*		*62 - 130*		*03/12/12 15:17*	*2000*

Client Sample ID: MW-71-NP-2

Lab Sample ID: 600-51267-1

Date Collected: 02/29/12 08:10

Matrix: Water

Date Received: 02/29/12 13:32

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*79*		*67 - 139*		*03/12/12 15:17*	*2000*
1,2-Dichloroethane-d4 (Surr)	*81*		*50 - 134*		*03/12/12 15:17*	*2000*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	**66000**		10000	1400	ug/L			03/12/12 18:36	10000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*105*		*70 - 130*		*03/12/12 18:36*	*10000*
Dibromofluoromethane	*87*		*62 - 130*		*03/12/12 18:36*	*10000*
4-Bromofluorobenzene	*102*		*67 - 139*		*03/12/12 18:36*	*10000*
1,2-Dichloroethane-d4 (Surr)	*77*		*50 - 134*		*03/12/12 18:36*	*10000*

Client Sample ID: MW-65-NP-2

Lab Sample ID: 600-51267-2

Date Collected: 02/29/12 08:40

Matrix: Water

Date Received: 02/29/12 13:32

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	99	U	500	99	ug/L			03/12/12 19:04	100
Benzene	**3600**		100	8.0	ug/L			03/12/12 19:04	100
Chlorobromomethane	18	U	100	18	ug/L			03/12/12 19:04	100
Bromoform	19	U	100	19	ug/L			03/12/12 19:04	100
Bromomethane	25	U	200	25	ug/L			03/12/12 19:04	100
2-Butanone (MEK)	76	U	200	76	ug/L			03/12/12 19:04	100
Carbon disulfide	24	U	200	24	ug/L			03/12/12 19:04	100
Carbon tetrachloride	15	U	100	15	ug/L			03/12/12 19:04	100
Dibromochloromethane	15	U	100	15	ug/L			03/12/12 19:04	100
Chlorobenzene	**1400**		100	12	ug/L			03/12/12 19:04	100
Chloroethane	8.0	U	200	8.0	ug/L			03/12/12 19:04	100
Chloroform	**36**	**J**	100	13	ug/L			03/12/12 19:04	100
Chloromethane	18	U	200	18	ug/L			03/12/12 19:04	100
1,1-Dichloroethane	**2900**		100	11	ug/L			03/12/12 19:04	100
1,2-Dichloroethane	**370**		100	14	ug/L			03/12/12 19:04	100
1,1-Dichloroethene	**1100**		100	19	ug/L			03/12/12 19:04	100
trans-1,2-Dichloroethene	**3200**		100	9.0	ug/L			03/12/12 19:04	100
1,2-Dichloropropane	16	U	100	16	ug/L			03/12/12 19:04	100
cis-1,3-Dichloropropene	18	U	100	18	ug/L			03/12/12 19:04	100
trans-1,3-Dichloropropene	21	U	100	21	ug/L			03/12/12 19:04	100
Ethylbenzene	**1100**		100	11	ug/L			03/12/12 19:04	100
2-Hexanone	35	U	200	35	ug/L			03/12/12 19:04	100
Methylene Chloride	15	U	500	15	ug/L			03/12/12 19:04	100
4-Methyl-2-pentanone (MIBK)	45	U	200	45	ug/L			03/12/12 19:04	100
Styrene	**34**	**J**	100	7.0	ug/L			03/12/12 19:04	100
1,1,2,2-Tetrachloroethane	22	U	100	22	ug/L			03/12/12 19:04	100
Tetrachloroethene	**140**		100	13	ug/L			03/12/12 19:04	100
Toluene	**330**		100	15	ug/L			03/12/12 19:04	100
1,1,1-Trichloroethane	15	U	100	15	ug/L			03/12/12 19:04	100
1,1,2-Trichloroethane	28	U	100	28	ug/L			03/12/12 19:04	100
Trichloroethene	**390**		100	18	ug/L			03/12/12 19:04	100
Vinyl acetate	21	U	200	21	ug/L			03/12/12 19:04	100

Client Sample ID: MW-65-NP-2

Lab Sample ID: 600-51267-2

Date Collected: 02/29/12 08:40

Matrix: Water

Date Received: 02/29/12 13:32

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	33	J	100	12	ug/L			03/12/12 19:04	100
m-Xylene & p-Xylene	140		100	17	ug/L			03/12/12 19:04	100
Xylenes, Total	170		100	26	ug/L			03/12/12 19:04	100
cis-1,2-Dichloroethene	480		100	6.0	ug/L			03/12/12 19:04	100
Bromodichloromethane	16	U	100	16	ug/L			03/12/12 19:04	100
1,2-Dichloroethene, Total	3700		100	30	ug/L			03/12/12 19:04	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*70 - 130*		*03/12/12 19:04*	*100*
Dibromofluoromethane	*91*		*62 - 130*		*03/12/12 19:04*	*100*
4-Bromofluorobenzene	*80*		*67 - 139*		*03/12/12 19:04*	*100*
1,2-Dichloroethane-d4 (Surr)	*79*		*50 - 134*		*03/12/12 19:04*	*100*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	160000	B	10000	550	ug/L			03/12/12 19:03	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*111*		*70 - 130*		*03/12/12 19:03*	*5000*
Dibromofluoromethane	*90*		*62 - 130*		*03/12/12 19:03*	*5000*
4-Bromofluorobenzene	*107*		*67 - 139*		*03/12/12 19:03*	*5000*
1,2-Dichloroethane-d4 (Surr)	*80*		*50 - 134*		*03/12/12 19:03*	*5000*

Client Sample ID: MW-8-NP-2

Lab Sample ID: 600-51267-3

Date Collected: 02/29/12 09:05

Matrix: Water

Date Received: 02/29/12 13:32

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	96		5.0	0.99	ug/L			03/10/12 21:03	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			03/10/12 21:03	1
Bromoform	0.19	U	1.0	0.19	ug/L			03/10/12 21:03	1
Bromomethane	0.25	U	2.0	0.25	ug/L			03/10/12 21:03	1
2-Butanone (MEK)	11		2.0	0.76	ug/L			03/10/12 21:03	1
Carbon disulfide	7.5		2.0	0.24	ug/L			03/10/12 21:03	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			03/10/12 21:03	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			03/10/12 21:03	1
Chloroethane	0.080	U	2.0	0.080	ug/L			03/10/12 21:03	1
Chloroform	0.13	U	1.0	0.13	ug/L			03/10/12 21:03	1
Chloromethane	0.18	U	2.0	0.18	ug/L			03/10/12 21:03	1
1,1-Dichloroethene	22		1.0	0.19	ug/L			03/10/12 21:03	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			03/10/12 21:03	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			03/10/12 21:03	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			03/10/12 21:03	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			03/10/12 21:03	1
Methylene Chloride	0.54	J B	5.0	0.15	ug/L			03/10/12 21:03	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			03/10/12 21:03	1
Styrene	6.2		1.0	0.070	ug/L			03/10/12 21:03	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			03/10/12 21:03	1
Tetrachloroethene	1.6	B *	1.0	0.13	ug/L			03/10/12 21:03	1
Toluene	40		1.0	0.15	ug/L			03/10/12 21:03	1
1,1,1-Trichloroethane	0.16	J	1.0	0.15	ug/L			03/10/12 21:03	1

Client Sample ID: MW-8-NP-2

Lab Sample ID: 600-51267-3

Date Collected: 02/29/12 09:05

Matrix: Water

Date Received: 02/29/12 13:32

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	1.2		1.0	0.28	ug/L			03/10/12 21:03	1
Trichloroethene	11		1.0	0.18	ug/L			03/10/12 21:03	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			03/10/12 21:03	1
o-Xylene	7.3		1.0	0.12	ug/L			03/10/12 21:03	1
m-Xylene & p-Xylene	4.0		1.0	0.17	ug/L			03/10/12 21:03	1
Xylenes, Total	11		1.0	0.26	ug/L			03/10/12 21:03	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			03/10/12 21:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*107*		*70 - 130*		*03/10/12 21:03*	*1*
Dibromofluoromethane	*101*		*62 - 130*		*03/10/12 21:03*	*1*
4-Bromofluorobenzene	*64*	*X*	*67 - 139*		*03/10/12 21:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*50 - 134*		*03/10/12 21:03*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	480		20	1.6	ug/L			03/10/12 19:41	20
Chlorobenzene	130		20	2.4	ug/L			03/10/12 19:41	20
1,1-Dichloroethane	250		20	2.2	ug/L			03/10/12 19:41	20
1,2-Dichloroethane	70		20	2.8	ug/L			03/10/12 19:41	20
trans-1,2-Dichloroethene	120		20	1.8	ug/L			03/10/12 19:41	20
Ethylbenzene	280		20	2.2	ug/L			03/10/12 19:41	20
Vinyl chloride	780		40	2.2	ug/L			03/10/12 19:41	20
cis-1,2-Dichloroethene	21		20	1.2	ug/L			03/10/12 19:41	20
1,2-Dichloroethene, Total	140		20	6.0	ug/L			03/10/12 19:41	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*105*		*70 - 130*		*03/10/12 19:41*	*20*
Dibromofluoromethane	*94*		*62 - 130*		*03/10/12 19:41*	*20*
4-Bromofluorobenzene	*79*		*67 - 139*		*03/10/12 19:41*	*20*
1,2-Dichloroethane-d4 (Surr)	*87*		*50 - 134*		*03/10/12 19:41*	*20*

Client Sample ID: MW-11-NP-2

Lab Sample ID: 600-51267-4

Date Collected: 02/29/12 09:35

Matrix: Water

Date Received: 02/29/12 13:32

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.0	U	25	5.0	ug/L			03/10/12 22:52	5
Benzene	99		5.0	0.40	ug/L			03/10/12 22:52	5
Chlorobromomethane	0.90	U	5.0	0.90	ug/L			03/10/12 22:52	5
Bromoform	0.95	U	5.0	0.95	ug/L			03/10/12 22:52	5
Bromomethane	1.3	U	10	1.3	ug/L			03/10/12 22:52	5
2-Butanone (MEK)	3.8	U	10	3.8	ug/L			03/10/12 22:52	5
Carbon disulfide	2.6	J	10	1.2	ug/L			03/10/12 22:52	5
Carbon tetrachloride	0.75	U	5.0	0.75	ug/L			03/10/12 22:52	5
Dibromochloromethane	0.75	U	5.0	0.75	ug/L			03/10/12 22:52	5
Chlorobenzene	220		5.0	0.60	ug/L			03/10/12 22:52	5
Chloroethane	0.40	U	10	0.40	ug/L			03/10/12 22:52	5
Chloroform	0.65	U	5.0	0.65	ug/L			03/10/12 22:52	5
Chloromethane	0.90	U	10	0.90	ug/L			03/10/12 22:52	5
1,1-Dichloroethene	210		5.0	0.95	ug/L			03/10/12 22:52	5

Client Sample ID: MW-11-NP-2

Lab Sample ID: 600-51267-4

Date Collected: 02/29/12 09:35

Matrix: Water

Date Received: 02/29/12 13:32

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	0.80	U	5.0	0.80	ug/L			03/10/12 22:52	5
cis-1,3-Dichloropropene	0.90	U	5.0	0.90	ug/L			03/10/12 22:52	5
trans-1,3-Dichloropropene	1.1	U	5.0	1.1	ug/L			03/10/12 22:52	5
Ethylbenzene	**17**		5.0	0.55	ug/L			03/10/12 22:52	5
2-Hexanone	1.8	U	10	1.8	ug/L			03/10/12 22:52	5
Methylene Chloride	**1.5**	**J B**	25	0.75	ug/L			03/10/12 22:52	5
4-Methyl-2-pentanone (MIBK)	2.3	U	10	2.3	ug/L			03/10/12 22:52	5
Styrene	**1.0**	**J**	5.0	0.35	ug/L			03/10/12 22:52	5
1,1,2,2-Tetrachloroethane	1.1	U	5.0	1.1	ug/L			03/10/12 22:52	5
Tetrachloroethene	**3.1**	**J B ***	5.0	0.65	ug/L			03/10/12 22:52	5
Toluene	**10**		5.0	0.75	ug/L			03/10/12 22:52	5
1,1,1-Trichloroethane	0.75	U	5.0	0.75	ug/L			03/10/12 22:52	5
1,1,2-Trichloroethane	**7.1**		5.0	1.4	ug/L			03/10/12 22:52	5
Vinyl acetate	1.1	U	10	1.1	ug/L			03/10/12 22:52	5
o-Xylene	0.60	U	5.0	0.60	ug/L			03/10/12 22:52	5
m-Xylene & p-Xylene	**4.7**	**J**	5.0	0.85	ug/L			03/10/12 22:52	5
Xylenes, Total	**4.7**	**J**	5.0	1.3	ug/L			03/10/12 22:52	5
Bromodichloromethane	0.80	U	5.0	0.80	ug/L			03/10/12 22:52	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*70 - 130*		*03/10/12 22:52*	*5*
Dibromofluoromethane	*91*		*62 - 130*		*03/10/12 22:52*	*5*
4-Bromofluorobenzene	*77*		*67 - 139*		*03/10/12 22:52*	*5*
1,2-Dichloroethane-d4 (Surr)	*88*		*50 - 134*		*03/10/12 22:52*	*5*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	**870**		100	11	ug/L			03/10/12 21:57	100
1,2-Dichloroethane	**360**		100	14	ug/L			03/10/12 21:57	100
trans-1,2-Dichloroethene	**880**		100	9.0	ug/L			03/10/12 21:57	100
Trichloroethene	**260**		100	18	ug/L			03/10/12 21:57	100
Vinyl chloride	**11000**	**B**	1000	55	ug/L			03/12/12 14:41	500
cis-1,2-Dichloroethene	**1700**		100	6.0	ug/L			03/10/12 21:57	100
1,2-Dichloroethene, Total	**2600**		100	30	ug/L			03/10/12 21:57	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*70 - 130*		*03/10/12 21:57*	*100*
Toluene-d8 (Surr)	*113*		*70 - 130*		*03/12/12 14:41*	*500*
Dibromofluoromethane	*89*		*62 - 130*		*03/10/12 21:57*	*100*
Dibromofluoromethane	*90*		*62 - 130*		*03/12/12 14:41*	*500*
4-Bromofluorobenzene	*80*		*67 - 139*		*03/10/12 21:57*	*100*
4-Bromofluorobenzene	*112*		*67 - 139*		*03/12/12 14:41*	*500*
1,2-Dichloroethane-d4 (Surr)	*76*		*50 - 134*		*03/10/12 21:57*	*100*
1,2-Dichloroethane-d4 (Surr)	*77*		*50 - 134*		*03/12/12 14:41*	*500*

Client Sample ID: MW-40-NP-2

Lab Sample ID: 600-51267-5

Date Collected: 02/29/12 09:55

Matrix: Water

Date Received: 02/29/12 13:32

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**9.5**	**J**	25	5.0	ug/L			03/10/12 23:20	5

Client Sample ID: MW-40-NP-2

Lab Sample ID: 600-51267-5

Date Collected: 02/29/12 09:55

Matrix: Water

Date Received: 02/29/12 13:32

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**99**		5.0	0.40	ug/L			03/10/12 23:20	5
Chlorobromomethane	0.90	U	5.0	0.90	ug/L			03/10/12 23:20	5
Bromoform	0.95	U	5.0	0.95	ug/L			03/10/12 23:20	5
Bromomethane	1.3	U	10	1.3	ug/L			03/10/12 23:20	5
2-Butanone (MEK)	3.8	U	10	3.8	ug/L			03/10/12 23:20	5
Carbon disulfide	**11**		10	1.2	ug/L			03/10/12 23:20	5
Carbon tetrachloride	0.75	U	5.0	0.75	ug/L			03/10/12 23:20	5
Dibromochloromethane	0.75	U	5.0	0.75	ug/L			03/10/12 23:20	5
Chloroethane	0.40	U	10	0.40	ug/L			03/10/12 23:20	5
Chloroform	0.65	U	5.0	0.65	ug/L			03/10/12 23:20	5
Chloromethane	0.90	U	10	0.90	ug/L			03/10/12 23:20	5
1,2-Dichloroethane	**8.4**		5.0	0.70	ug/L			03/10/12 23:20	5
1,1-Dichloroethene	**1.9**	**J**	5.0	0.95	ug/L			03/10/12 23:20	5
trans-1,2-Dichloroethene	**11**		5.0	0.45	ug/L			03/10/12 23:20	5
1,2-Dichloropropane	0.80	U	5.0	0.80	ug/L			03/10/12 23:20	5
cis-1,3-Dichloropropene	0.90	U	5.0	0.90	ug/L			03/10/12 23:20	5
trans-1,3-Dichloropropene	1.1	U	5.0	1.1	ug/L			03/10/12 23:20	5
Ethylbenzene	**91**		5.0	0.55	ug/L			03/10/12 23:20	5
2-Hexanone	1.8	U	10	1.8	ug/L			03/10/12 23:20	5
Methylene Chloride	0.75	U	25	0.75	ug/L			03/10/12 23:20	5
4-Methyl-2-pentanone (MIBK)	2.3	U	10	2.3	ug/L			03/10/12 23:20	5
Styrene	**2.8**	**J**	5.0	0.35	ug/L			03/10/12 23:20	5
1,1,2,2-Tetrachloroethane	1.1	U	5.0	1.1	ug/L			03/10/12 23:20	5
Tetrachloroethene	**1.8**	**J B ***	5.0	0.65	ug/L			03/10/12 23:20	5
Toluene	**22**		5.0	0.75	ug/L			03/10/12 23:20	5
1,1,1-Trichloroethane	0.75	U	5.0	0.75	ug/L			03/10/12 23:20	5
1,1,2-Trichloroethane	**3.4**	**J**	5.0	1.4	ug/L			03/10/12 23:20	5
Trichloroethene	**3.2**	**J**	5.0	0.90	ug/L			03/10/12 23:20	5
Vinyl acetate	1.1	U	10	1.1	ug/L			03/10/12 23:20	5
o-Xylene	**0.98**	**J**	5.0	0.60	ug/L			03/10/12 23:20	5
m-Xylene & p-Xylene	**5.3**		5.0	0.85	ug/L			03/10/12 23:20	5
Xylenes, Total	**6.3**		5.0	1.3	ug/L			03/10/12 23:20	5
cis-1,2-Dichloroethene	**6.7**		5.0	0.30	ug/L			03/10/12 23:20	5
Bromodichloromethane	0.80	U	5.0	0.80	ug/L			03/10/12 23:20	5
1,2-Dichloroethene, Total	**18**		5.0	1.5	ug/L			03/10/12 23:20	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*70 - 130*		*03/10/12 23:20*	*5*
Dibromofluoromethane	*90*		*62 - 130*		*03/10/12 23:20*	*5*
4-Bromofluorobenzene	*74*		*67 - 139*		*03/10/12 23:20*	*5*
1,2-Dichloroethane-d4 (Surr)	*84*		*50 - 134*		*03/10/12 23:20*	*5*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	**340**		50	6.0	ug/L			03/10/12 20:36	50
1,1-Dichloroethane	**430**		50	5.5	ug/L			03/10/12 20:36	50
Vinyl chloride	**1500**	**B**	400	22	ug/L			03/12/12 15:08	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*111*		*70 - 130*		*03/10/12 20:36*	*50*
Toluene-d8 (Surr)	*109*		*70 - 130*		*03/12/12 15:08*	*200*
Dibromofluoromethane	*101*		*62 - 130*		*03/10/12 20:36*	*50*

Client Sample ID: MW-40-NP-2

Lab Sample ID: 600-51267-5

Date Collected: 02/29/12 09:55

Matrix: Water

Date Received: 02/29/12 13:32

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	*93*		*62 - 130*		*03/12/12 15:08*	*200*
4-Bromofluorobenzene	*83*		*67 - 139*		*03/10/12 20:36*	*50*
4-Bromofluorobenzene	*104*		*67 - 139*		*03/12/12 15:08*	*200*
1,2-Dichloroethane-d4 (Surr)	*90*		*50 - 134*		*03/10/12 20:36*	*50*
1,2-Dichloroethane-d4 (Surr)	*83*		*50 - 134*		*03/12/12 15:08*	*200*

Client Sample ID: MW-68-NP-2

Lab Sample ID: 600-51267-6

Date Collected: 02/29/12 10:15

Matrix: Water

Date Received: 02/29/12 13:32

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.0	U	25	5.0	ug/L			03/10/12 23:48	5
Benzene	**160**		5.0	0.40	ug/L			03/10/12 23:48	5
Chlorobromomethane	0.90	U	5.0	0.90	ug/L			03/10/12 23:48	5
Bromoform	0.95	U	5.0	0.95	ug/L			03/10/12 23:48	5
Bromomethane	1.3	U	10	1.3	ug/L			03/10/12 23:48	5
2-Butanone (MEK)	3.8	U	10	3.8	ug/L			03/10/12 23:48	5
Carbon disulfide	**11**		10	1.2	ug/L			03/10/12 23:48	5
Carbon tetrachloride	0.75	U	5.0	0.75	ug/L			03/10/12 23:48	5
Dibromochloromethane	0.75	U	5.0	0.75	ug/L			03/10/12 23:48	5
Chlorobenzene	**52**		5.0	0.60	ug/L			03/10/12 23:48	5
Chloroethane	0.40	U	10	0.40	ug/L			03/10/12 23:48	5
Chloroform	0.65	U	5.0	0.65	ug/L			03/10/12 23:48	5
Chloromethane	0.90	U	10	0.90	ug/L			03/10/12 23:48	5
1,1-Dichloroethane	**140**		5.0	0.55	ug/L			03/10/12 23:48	5
1,2-Dichloroethane	**6.2**		5.0	0.70	ug/L			03/10/12 23:48	5
1,1-Dichloroethene	**5.9**		5.0	0.95	ug/L			03/10/12 23:48	5
1,2-Dichloropropane	0.80	U	5.0	0.80	ug/L			03/10/12 23:48	5
cis-1,3-Dichloropropene	0.90	U	5.0	0.90	ug/L			03/10/12 23:48	5
trans-1,3-Dichloropropene	1.1	U	5.0	1.1	ug/L			03/10/12 23:48	5
2-Hexanone	1.8	U	10	1.8	ug/L			03/10/12 23:48	5
Methylene Chloride	0.75	U	25	0.75	ug/L			03/10/12 23:48	5
4-Methyl-2-pentanone (MIBK)	2.3	U	10	2.3	ug/L			03/10/12 23:48	5
Styrene	**1.4**	**J**	5.0	0.35	ug/L			03/10/12 23:48	5
1,1,2,2-Tetrachloroethane	1.1	U	5.0	1.1	ug/L			03/10/12 23:48	5
Tetrachloroethene	**1.3**	**J B ***	5.0	0.65	ug/L			03/10/12 23:48	5
Toluene	**59**		5.0	0.75	ug/L			03/10/12 23:48	5
1,1,1-Trichloroethane	0.75	U	5.0	0.75	ug/L			03/10/12 23:48	5
1,1,2-Trichloroethane	**3.4**	**J**	5.0	1.4	ug/L			03/10/12 23:48	5
Trichloroethene	0.90	U	5.0	0.90	ug/L			03/10/12 23:48	5
Vinyl acetate	1.1	U	10	1.1	ug/L			03/10/12 23:48	5
o-Xylene	**1.8**	**J**	5.0	0.60	ug/L			03/10/12 23:48	5
m-Xylene & p-Xylene	**6.3**		5.0	0.85	ug/L			03/10/12 23:48	5
Xylenes, Total	**8.1**		5.0	1.3	ug/L			03/10/12 23:48	5
Bromodichloromethane	0.80	U	5.0	0.80	ug/L			03/10/12 23:48	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*103*		*70 - 130*		*03/10/12 23:48*	*5*
Dibromofluoromethane	*87*		*62 - 130*		*03/10/12 23:48*	*5*
4-Bromofluorobenzene	*78*		*67 - 139*		*03/10/12 23:48*	*5*

Client Sample ID: MW-68-NP-2

Lab Sample ID: 600-51267-6

Date Collected: 02/29/12 10:15

Matrix: Water

Date Received: 02/29/12 13:32

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	81		50 - 134		03/10/12 23:48	5

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	620		50	4.5	ug/L			03/10/12 22:25	50
Ethylbenzene	300		50	5.5	ug/L			03/10/12 22:25	50
Vinyl chloride	9600		400	22	ug/L			03/12/12 15:36	200
cis-1,2-Dichloroethene	28	J	50	3.0	ug/L			03/10/12 22:25	50
1,2-Dichloroethene, Total	650		50	15	ug/L			03/10/12 22:25	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	108		70 - 130		03/10/12 22:25	50
Toluene-d8 (Surr)	115		70 - 130		03/12/12 15:36	200
Dibromofluoromethane	94		62 - 130		03/10/12 22:25	50
Dibromofluoromethane	95		62 - 130		03/12/12 15:36	200
4-Bromofluorobenzene	82		67 - 139		03/10/12 22:25	50
4-Bromofluorobenzene	113		67 - 139		03/12/12 15:36	200
1,2-Dichloroethane-d4 (Surr)	87		50 - 134		03/10/12 22:25	50
1,2-Dichloroethane-d4 (Surr)	83		50 - 134		03/12/12 15:36	200

Client Sample ID: MW-66-NP-2

Lab Sample ID: 600-51267-7

Date Collected: 02/29/12 10:40

Matrix: Water

Date Received: 02/29/12 13:32

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1000		500	99	ug/L			03/12/12 19:31	100
Chlorobromomethane	18	U	100	18	ug/L			03/12/12 19:31	100
Bromoform	19	U	100	19	ug/L			03/12/12 19:31	100
Bromomethane	25	U	200	25	ug/L			03/12/12 19:31	100
2-Butanone (MEK)	240		200	76	ug/L			03/12/12 19:31	100
Carbon disulfide	89	J	200	24	ug/L			03/12/12 19:31	100
Carbon tetrachloride	15	U	100	15	ug/L			03/12/12 19:31	100
Dibromochloromethane	15	U	100	15	ug/L			03/12/12 19:31	100
Chlorobenzene	1000		100	12	ug/L			03/12/12 19:31	100
Chloroethane	8.0	U	200	8.0	ug/L			03/12/12 19:31	100
Chloroform	21	J	100	13	ug/L			03/12/12 19:31	100
Chloromethane	18	U	200	18	ug/L			03/12/12 19:31	100
1,1-Dichloroethane	3200		100	11	ug/L			03/12/12 19:31	100
1,1-Dichloroethene	2200		100	19	ug/L			03/12/12 19:31	100
trans-1,2-Dichloroethene	3000		100	9.0	ug/L			03/12/12 19:31	100
1,2-Dichloropropane	16	U	100	16	ug/L			03/12/12 19:31	100
cis-1,3-Dichloropropene	18	U	100	18	ug/L			03/12/12 19:31	100
trans-1,3-Dichloropropene	21	U	100	21	ug/L			03/12/12 19:31	100
Ethylbenzene	2500		100	11	ug/L			03/12/12 19:31	100
2-Hexanone	35	U	200	35	ug/L			03/12/12 19:31	100
Methylene Chloride	220	J	500	15	ug/L			03/12/12 19:31	100
4-Methyl-2-pentanone (MIBK)	45	U	200	45	ug/L			03/12/12 19:31	100
Styrene	540		100	7.0	ug/L			03/12/12 19:31	100
1,1,2,2-Tetrachloroethane	22	U	100	22	ug/L			03/12/12 19:31	100
Tetrachloroethene	80	J	100	13	ug/L			03/12/12 19:31	100

Client Sample ID: MW-66-NP-2

Lab Sample ID: 600-51267-7

Date Collected: 02/29/12 10:40

Matrix: Water

Date Received: 02/29/12 13:32

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	**1600**		100	15	ug/L			03/12/12 19:31	100
1,1,1-Trichloroethane	**380**		100	15	ug/L			03/12/12 19:31	100
Trichloroethene	**910**		100	18	ug/L			03/12/12 19:31	100
Vinyl acetate	21	U	200	21	ug/L			03/12/12 19:31	100
o-Xylene	**12**	**J**	100	12	ug/L			03/12/12 19:31	100
m-Xylene & p-Xylene	**100**		100	17	ug/L			03/12/12 19:31	100
Xylenes, Total	**110**		100	26	ug/L			03/12/12 19:31	100
cis-1,2-Dichloroethene	**1400**		100	6.0	ug/L			03/12/12 19:31	100
Bromodichloromethane	16	U	100	16	ug/L			03/12/12 19:31	100
1,2-Dichloroethene, Total	**4400**		100	30	ug/L			03/12/12 19:31	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*70 - 130*		*03/12/12 19:31*	*100*
Dibromofluoromethane	*91*		*62 - 130*		*03/12/12 19:31*	*100*
4-Bromofluorobenzene	*80*		*67 - 139*		*03/12/12 19:31*	*100*
1,2-Dichloroethane-d4 (Surr)	*80*		*50 - 134*		*03/12/12 19:31*	*100*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**4600**		1000	80	ug/L			03/12/12 16:40	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*70 - 130*		*03/12/12 16:40*	*1000*
Dibromofluoromethane	*91*		*62 - 130*		*03/12/12 16:40*	*1000*
4-Bromofluorobenzene	*81*		*67 - 139*		*03/12/12 16:40*	*1000*
1,2-Dichloroethane-d4 (Surr)	*80*		*50 - 134*		*03/12/12 16:40*	*1000*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	**130000**		5000	700	ug/L			03/12/12 19:30	5000
1,1,2-Trichloroethane	**74000**		5000	1400	ug/L			03/12/12 19:30	5000
Vinyl chloride	**68000**	**B**	10000	550	ug/L			03/12/12 19:30	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*112*		*70 - 130*		*03/12/12 19:30*	*5000*
Dibromofluoromethane	*91*		*62 - 130*		*03/12/12 19:30*	*5000*
4-Bromofluorobenzene	*111*		*67 - 139*		*03/12/12 19:30*	*5000*
1,2-Dichloroethane-d4 (Surr)	*96*		*50 - 134*		*03/12/12 19:30*	*5000*

Client Sample ID: MW-4-NP-2

Lab Sample ID: 600-51267-8

Date Collected: 02/29/12 10:55

Matrix: Water

Date Received: 02/29/12 13:32

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	99	U	500	99	ug/L			03/12/12 19:59	100
Benzene	**4200**		100	8.0	ug/L			03/12/12 19:59	100
Chlorobromomethane	18	U	100	18	ug/L			03/12/12 19:59	100
Bromoform	19	U	100	19	ug/L			03/12/12 19:59	100
Bromomethane	25	U	200	25	ug/L			03/12/12 19:59	100
2-Butanone (MEK)	76	U	200	76	ug/L			03/12/12 19:59	100
Carbon disulfide	24	U	200	24	ug/L			03/12/12 19:59	100

Client Sample ID: MW-4-NP-2

Date Collected: 02/29/12 10:55
Date Received: 02/29/12 13:32

Lab Sample ID: 600-51267-8

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	15	U	100	15	ug/L			03/12/12 19:59	100
Dibromochloromethane	15	U	100	15	ug/L			03/12/12 19:59	100
Chlorobenzene	**900**		100	12	ug/L			03/12/12 19:59	100
Chloroethane	8.0	U	200	8.0	ug/L			03/12/12 19:59	100
Chloroform	13	U	100	13	ug/L			03/12/12 19:59	100
Chloromethane	18	U	200	18	ug/L			03/12/12 19:59	100
1,1-Dichloroethane	**4700**		100	11	ug/L			03/12/12 19:59	100
1,2-Dichloropropane	16	U	100	16	ug/L			03/12/12 19:59	100
cis-1,3-Dichloropropene	18	U	100	18	ug/L			03/12/12 19:59	100
trans-1,3-Dichloropropene	21	U	100	21	ug/L			03/12/12 19:59	100
Ethylbenzene	**680**		100	11	ug/L			03/12/12 19:59	100
2-Hexanone	35	U	200	35	ug/L			03/12/12 19:59	100
Methylene Chloride	15	U	500	15	ug/L			03/12/12 19:59	100
4-Methyl-2-pentanone (MIBK)	45	U	200	45	ug/L			03/12/12 19:59	100
Styrene	**14**	**J**	100	7.0	ug/L			03/12/12 19:59	100
1,1,2,2-Tetrachloroethane	22	U	100	22	ug/L			03/12/12 19:59	100
Tetrachloroethene	**340**		100	13	ug/L			03/12/12 19:59	100
Toluene	**240**		100	15	ug/L			03/12/12 19:59	100
1,1,1-Trichloroethane	15	U	100	15	ug/L			03/12/12 19:59	100
1,1,2-Trichloroethane	28	U	100	28	ug/L			03/12/12 19:59	100
Trichloroethene	**1500**		100	18	ug/L			03/12/12 19:59	100
Vinyl acetate	21	U	200	21	ug/L			03/12/12 19:59	100
o-Xylene	**19**	**J**	100	12	ug/L			03/12/12 19:59	100
m-Xylene & p-Xylene	**110**		100	17	ug/L			03/12/12 19:59	100
Xylenes, Total	**130**		100	26	ug/L			03/12/12 19:59	100
Bromodichloromethane	16	U	100	16	ug/L			03/12/12 19:59	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*70 - 130*		*03/12/12 19:59*	*100*
Dibromofluoromethane	*92*		*62 - 130*		*03/12/12 19:59*	*100*
4-Bromofluorobenzene	*81*		*67 - 139*		*03/12/12 19:59*	*100*
1,2-Dichloroethane-d4 (Surr)	*80*		*50 - 134*		*03/12/12 19:59*	*100*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	**8200**		1000	190	ug/L			03/12/12 17:07	1000
trans-1,2-Dichloroethene	**8200**		1000	90	ug/L			03/12/12 17:07	1000
cis-1,2-Dichloroethene	**4500**		1000	60	ug/L			03/12/12 17:07	1000
1,2-Dichloroethene, Total	**13000**		1000	300	ug/L			03/12/12 17:07	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*70 - 130*		*03/12/12 17:07*	*1000*
Dibromofluoromethane	*91*		*62 - 130*		*03/12/12 17:07*	*1000*
4-Bromofluorobenzene	*80*		*67 - 139*		*03/12/12 17:07*	*1000*
1,2-Dichloroethane-d4 (Surr)	*80*		*50 - 134*		*03/12/12 17:07*	*1000*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	**62000**		5000	700	ug/L			03/12/12 19:58	5000
Vinyl chloride	**180000**	**B**	10000	550	ug/L			03/12/12 19:58	5000

Client Sample ID: MW-4-NP-2

Lab Sample ID: 600-51267-8

Date Collected: 02/29/12 10:55

Matrix: Water

Date Received: 02/29/12 13:32

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	106		70 - 130		03/12/12 19:58	5000
Dibromofluoromethane	92		62 - 130		03/12/12 19:58	5000
4-Bromofluorobenzene	107		67 - 139		03/12/12 19:58	5000
1,2-Dichloroethane-d4 (Surr)	88		50 - 134		03/12/12 19:58	5000

Client Sample ID: DUP-NP-2

Lab Sample ID: 600-51267-9

Date Collected: 02/29/12 00:00

Matrix: Water

Date Received: 02/29/12 13:32

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**91**		5.0	0.99	ug/L			03/10/12 21:30	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			03/10/12 21:30	1
Bromoform	0.19	U	1.0	0.19	ug/L			03/10/12 21:30	1
Bromomethane	0.25	U	2.0	0.25	ug/L			03/10/12 21:30	1
2-Butanone (MEK)	**63**		2.0	0.76	ug/L			03/10/12 21:30	1
Carbon disulfide	**8.0**		2.0	0.24	ug/L			03/10/12 21:30	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			03/10/12 21:30	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			03/10/12 21:30	1
Chloroethane	0.080	U	2.0	0.080	ug/L			03/10/12 21:30	1
Chloroform	0.13	U	1.0	0.13	ug/L			03/10/12 21:30	1
Chloromethane	0.18	U	2.0	0.18	ug/L			03/10/12 21:30	1
1,1-Dichloroethene	**21**		1.0	0.19	ug/L			03/10/12 21:30	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			03/10/12 21:30	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			03/10/12 21:30	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			03/10/12 21:30	1
2-Hexanone	**1.7**	**J**	2.0	0.35	ug/L			03/10/12 21:30	1
Methylene Chloride	**0.39**	**J B**	5.0	0.15	ug/L			03/10/12 21:30	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			03/10/12 21:30	1
Styrene	**8.3**		1.0	0.070	ug/L			03/10/12 21:30	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			03/10/12 21:30	1
Tetrachloroethene	**1.4**	**B ***	1.0	0.13	ug/L			03/10/12 21:30	1
Toluene	**36**		1.0	0.15	ug/L			03/10/12 21:30	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			03/10/12 21:30	1
1,1,2-Trichloroethane	**0.96**	**J**	1.0	0.28	ug/L			03/10/12 21:30	1
Trichloroethene	**8.5**		1.0	0.18	ug/L			03/10/12 21:30	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			03/10/12 21:30	1
o-Xylene	**6.5**		1.0	0.12	ug/L			03/10/12 21:30	1
m-Xylene & p-Xylene	**3.7**		1.0	0.17	ug/L			03/10/12 21:30	1
Xylenes, Total	**10**		1.0	0.26	ug/L			03/10/12 21:30	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			03/10/12 21:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	107		70 - 130		03/10/12 21:30	1
Dibromofluoromethane	95		62 - 130		03/10/12 21:30	1
4-Bromofluorobenzene	65	X	67 - 139		03/10/12 21:30	1
1,2-Dichloroethane-d4 (Surr)	96		50 - 134		03/10/12 21:30	1

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**450**		20	1.6	ug/L			03/10/12 20:09	20
Chlorobenzene	**120**		20	2.4	ug/L			03/10/12 20:09	20

Client Sample ID: DUP-NP-2

Lab Sample ID: 600-51267-9

Date Collected: 02/29/12 00:00

Matrix: Water

Date Received: 02/29/12 13:32

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	240		20	2.2	ug/L			03/10/12 20:09	20
1,2-Dichloroethane	65		20	2.8	ug/L			03/10/12 20:09	20
trans-1,2-Dichloroethene	100		20	1.8	ug/L			03/10/12 20:09	20
Ethylbenzene	250		20	2.2	ug/L			03/10/12 20:09	20
Vinyl chloride	650		40	2.2	ug/L			03/10/12 20:09	20
cis-1,2-Dichloroethene	15	J	20	1.2	ug/L			03/10/12 20:09	20
1,2-Dichloroethene, Total	120		20	6.0	ug/L			03/10/12 20:09	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*70 - 130*		*03/10/12 20:09*	*20*
Dibromofluoromethane	*89*		*62 - 130*		*03/10/12 20:09*	*20*
4-Bromofluorobenzene	*80*		*67 - 139*		*03/10/12 20:09*	*20*
1,2-Dichloroethane-d4 (Surr)	*78*		*50 - 134*		*03/10/12 20:09*	*20*

Client Sample ID: Trip Blank

Lab Sample ID: 600-51267-10

Date Collected: 02/29/12 00:00

Matrix: Water

Date Received: 02/29/12 13:32

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			03/09/12 13:06	1
Benzene	0.080	U	1.0	0.080	ug/L			03/09/12 13:06	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			03/09/12 13:06	1
Bromoform	0.19	U	1.0	0.19	ug/L			03/09/12 13:06	1
Bromomethane	0.25	U	2.0	0.25	ug/L			03/09/12 13:06	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			03/09/12 13:06	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			03/09/12 13:06	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			03/09/12 13:06	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			03/09/12 13:06	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			03/09/12 13:06	1
Chloroethane	0.080	U	2.0	0.080	ug/L			03/09/12 13:06	1
Chloroform	0.13	U	1.0	0.13	ug/L			03/09/12 13:06	1
Chloromethane	0.18	U	2.0	0.18	ug/L			03/09/12 13:06	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			03/09/12 13:06	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			03/09/12 13:06	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			03/09/12 13:06	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			03/09/12 13:06	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			03/09/12 13:06	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			03/09/12 13:06	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			03/09/12 13:06	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			03/09/12 13:06	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			03/09/12 13:06	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			03/09/12 13:06	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			03/09/12 13:06	1
Styrene	0.070	U	1.0	0.070	ug/L			03/09/12 13:06	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			03/09/12 13:06	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			03/09/12 13:06	1
Toluene	0.15	U	1.0	0.15	ug/L			03/09/12 13:06	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			03/09/12 13:06	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			03/09/12 13:06	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			03/09/12 13:06	1

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-51267-1

Client Sample ID: Trip Blank

Lab Sample ID: 600-51267-10

Date Collected: 02/29/12 00:00
Matrix: Water
Date Received: 02/29/12 13:32

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	0.21	U	2.0	0.21	ug/L			03/09/12 13:06	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			03/09/12 13:06	1
o-Xylene	0.12	U	1.0	0.12	ug/L			03/09/12 13:06	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			03/09/12 13:06	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			03/09/12 13:06	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			03/09/12 13:06	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			03/09/12 13:06	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			03/09/12 13:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*112*		*70 - 130*		*03/09/12 13:06*	*1*
Dibromofluoromethane	*110*		*62 - 130*		*03/09/12 13:06*	*1*
4-Bromofluorobenzene	*119*		*67 - 139*		*03/09/12 13:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*50 - 134*		*03/09/12 13:06*	*1*

Surrogate Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-51267-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DBFM	BFB	12DCE
Lab Sample ID	Client Sample ID	(70-130)	(62-130)	(67-139)	(50-134)
600-51267-1 - DL2	MW-71-NP-2	105	87	102	77
600-51267-1 - DL	MW-71-NP-2	102	89	79	81
600-51267-1	MW-71-NP-2	101	91	79	82
600-51267-2 - DL2	MW-65-NP-2	111	90	107	80
600-51267-2	MW-65-NP-2	101	91	80	79
600-51267-3 - DL	MW-8-NP-2	105	94	79	87
600-51267-3	MW-8-NP-2	107	101	64 X	100
600-51267-4 - DL	MW-11-NP-2	104	89	80	76
600-51267-4	MW-11-NP-2	101	91	77	88
600-51267-4 - DL	MW-11-NP-2	113	90	112	77
600-51267-5 - DL	MW-40-NP-2	111	101	83	90
600-51267-5	MW-40-NP-2	103	90	74	84
600-51267-5 - DL	MW-40-NP-2	109	93	104	83
600-51267-6 - DL	MW-68-NP-2	108	94	82	87
600-51267-6	MW-68-NP-2	103	87	78	81
600-51267-6 - DL	MW-68-NP-2	115	95	113	83
600-51267-7 - DL2	MW-66-NP-2	112	91	111	96
600-51267-7 - DL	MW-66-NP-2	100	91	81	80
600-51267-7	MW-66-NP-2	103	91	80	80
600-51267-8 - DL2	MW-4-NP-2	106	92	107	88
600-51267-8 - DL	MW-4-NP-2	103	91	80	80
600-51267-8	MW-4-NP-2	102	92	81	80
600-51267-9 - DL	DUP-NP-2	103	89	80	78
600-51267-9	DUP-NP-2	107	95	65 X	96
600-51267-10	Trip Blank	112	110	119	104
LCS 600-74429/3	Lab Control Sample	118	107	108	106
LCS 600-74480/9	Lab Control Sample	110	95	79	82
LCS 600-74536/3	Lab Control Sample	113	93	107	84
LCS 600-74558/3	Lab Control Sample	111	99	82	86
MB 600-74429/4	Method Blank	113	108	117	105
MB 600-74480/3	Method Blank	104	87	77	82
MB 600-74536/4	Method Blank	116	96	103	87
MB 600-74558/4	Method Blank	105	91	79	85

Surrogate Legend

TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane
BFB = 4-Bromofluorobenzene
12DCE = 1,2-Dichloroethane-d4 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 600-74429/4
Matrix: Water
Analysis Batch: 74429

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			03/09/12 10:22	1
Benzene	0.080	U	1.0	0.080	ug/L			03/09/12 10:22	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			03/09/12 10:22	1
Bromoform	0.19	U	1.0	0.19	ug/L			03/09/12 10:22	1
Bromomethane	0.25	U	2.0	0.25	ug/L			03/09/12 10:22	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			03/09/12 10:22	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			03/09/12 10:22	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			03/09/12 10:22	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			03/09/12 10:22	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			03/09/12 10:22	1
Chloroethane	0.080	U	2.0	0.080	ug/L			03/09/12 10:22	1
Chloroform	0.13	U	1.0	0.13	ug/L			03/09/12 10:22	1
Chloromethane	0.18	U	2.0	0.18	ug/L			03/09/12 10:22	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			03/09/12 10:22	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			03/09/12 10:22	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			03/09/12 10:22	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			03/09/12 10:22	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			03/09/12 10:22	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			03/09/12 10:22	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			03/09/12 10:22	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			03/09/12 10:22	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			03/09/12 10:22	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			03/09/12 10:22	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			03/09/12 10:22	1
Styrene	0.070	U	1.0	0.070	ug/L			03/09/12 10:22	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			03/09/12 10:22	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			03/09/12 10:22	1
Toluene	0.15	U	1.0	0.15	ug/L			03/09/12 10:22	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			03/09/12 10:22	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			03/09/12 10:22	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			03/09/12 10:22	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			03/09/12 10:22	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			03/09/12 10:22	1
o-Xylene	0.12	U	1.0	0.12	ug/L			03/09/12 10:22	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			03/09/12 10:22	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			03/09/12 10:22	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			03/09/12 10:22	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			03/09/12 10:22	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			03/09/12 10:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*113*		*70 - 130*		*03/09/12 10:22*	*1*
Dibromofluoromethane	*108*		*62 - 130*		*03/09/12 10:22*	*1*
4-Bromofluorobenzene	*117*		*67 - 139*		*03/09/12 10:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*50 - 134*		*03/09/12 10:22*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-74429/3
Matrix: Water
Analysis Batch: 74429

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	15.4		ug/L		77	28 - 152
Benzene	10.0	10.6		ug/L		106	69 - 131
Chlorobromomethane	10.0	10.6		ug/L		106	60 - 141
Bromoform	10.0	9.94		ug/L		99	39 - 149
Bromomethane	10.0	5.47		ug/L		55	52 - 146
2-Butanone (MEK)	20.0	19.7		ug/L		99	59 - 133
Carbon disulfide	10.0	11.8		ug/L		118	32 - 177
Carbon tetrachloride	10.0	11.5		ug/L		115	59 - 147
Dibromochloromethane	10.0	10.7		ug/L		107	58 - 132
Chlorobenzene	10.0	11.1		ug/L		111	60 - 136
Chloroethane	10.0	9.92		ug/L		99	56 - 144
Chloroform	10.0	11.1		ug/L		111	69 - 128
Chloromethane	10.0	7.99		ug/L		80	32 - 151
1,1-Dichloroethane	10.0	11.4		ug/L		114	66 - 126
1,2-Dichloroethane	10.0	10.5		ug/L		105	66 - 140
1,1-Dichloroethene	10.0	9.51		ug/L		95	59 - 145
trans-1,2-Dichloroethene	10.0	10.3		ug/L		103	70 - 132
1,2-Dichloropropane	10.0	10.2		ug/L		102	72 - 125
cis-1,3-Dichloropropene	10.0	10.5		ug/L		105	60 - 135
trans-1,3-Dichloropropene	10.0	11.4		ug/L		114	63 - 133
Ethylbenzene	10.0	11.6		ug/L		116	68 - 128
2-Hexanone	20.0	15.3		ug/L		76	51 - 130
Methylene Chloride	10.0	10.1		ug/L		101	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	18.0		ug/L		90	56 - 142
Styrene	10.0	11.8		ug/L		118	68 - 133
1,1,2,2-Tetrachloroethane	10.0	9.27		ug/L		93	68 - 134
Tetrachloroethene	10.0	12.4		ug/L		124	61 - 142
Toluene	10.0	11.2		ug/L		112	67 - 130
1,1,1-Trichloroethane	10.0	10.8		ug/L		108	65 - 142
1,1,2-Trichloroethane	10.0	9.97		ug/L		100	68 - 130
Trichloroethene	10.0	10.8		ug/L		108	68 - 130
Vinyl acetate	10.0	15.7		ug/L		157	58 - 175
Vinyl chloride	10.0	9.29		ug/L		93	47 - 146
o-Xylene	10.0	11.1		ug/L		111	68 - 134
m-Xylene & p-Xylene	20.0	22.7		ug/L		113	67 - 132
Xylenes, Total	30.0	33.8		ug/L		113	68 - 132
cis-1,2-Dichloroethene	10.0	9.62		ug/L		96	69 - 129
Bromodichloromethane	10.0	10.5		ug/L		105	73 - 130
1,2-Dichloroethene, Total	20.0	19.9		ug/L		100	65 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*118*		*70 - 130*
Dibromofluoromethane	*107*		*62 - 130*
4-Bromofluorobenzene	*108*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*106*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 600-74480/3
Matrix: Water
Analysis Batch: 74480

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			03/10/12 14:11	1
Benzene	0.080	U	1.0	0.080	ug/L			03/10/12 14:11	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			03/10/12 14:11	1
Bromoform	0.19	U	1.0	0.19	ug/L			03/10/12 14:11	1
Bromomethane	0.25	U	2.0	0.25	ug/L			03/10/12 14:11	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			03/10/12 14:11	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			03/10/12 14:11	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			03/10/12 14:11	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			03/10/12 14:11	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			03/10/12 14:11	1
Chloroethane	0.080	U	2.0	0.080	ug/L			03/10/12 14:11	1
Chloroform	0.13	U	1.0	0.13	ug/L			03/10/12 14:11	1
Chloromethane	0.18	U	2.0	0.18	ug/L			03/10/12 14:11	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			03/10/12 14:11	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			03/10/12 14:11	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			03/10/12 14:11	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			03/10/12 14:11	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			03/10/12 14:11	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			03/10/12 14:11	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			03/10/12 14:11	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			03/10/12 14:11	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			03/10/12 14:11	1
Methylene Chloride	0.298	J	5.0	0.15	ug/L			03/10/12 14:11	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			03/10/12 14:11	1
Styrene	0.070	U	1.0	0.070	ug/L			03/10/12 14:11	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			03/10/12 14:11	1
Tetrachloroethene	0.659	J	1.0	0.13	ug/L			03/10/12 14:11	1
Toluene	0.15	U	1.0	0.15	ug/L			03/10/12 14:11	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			03/10/12 14:11	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			03/10/12 14:11	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			03/10/12 14:11	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			03/10/12 14:11	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			03/10/12 14:11	1
o-Xylene	0.12	U	1.0	0.12	ug/L			03/10/12 14:11	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			03/10/12 14:11	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			03/10/12 14:11	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			03/10/12 14:11	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			03/10/12 14:11	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			03/10/12 14:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*70 - 130*		*03/10/12 14:11*	*1*
Dibromofluoromethane	*87*		*62 - 130*		*03/10/12 14:11*	*1*
4-Bromofluorobenzene	*77*		*67 - 139*		*03/10/12 14:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*82*		*50 - 134*		*03/10/12 14:11*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-74480/9
Matrix: Water
Analysis Batch: 74480

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	17.8		ug/L		89	28 - 152
Benzene	10.0	9.06		ug/L		91	69 - 131
Chlorobromomethane	10.0	8.19		ug/L		82	60 - 141
Bromoform	10.0	8.29		ug/L		83	39 - 149
Bromomethane	10.0	6.65		ug/L		67	52 - 146
2-Butanone (MEK)	20.0	15.0		ug/L		75	59 - 133
Carbon disulfide	10.0	8.03		ug/L		80	32 - 177
Carbon tetrachloride	10.0	8.43		ug/L		84	59 - 147
Dibromochloromethane	10.0	8.78		ug/L		88	58 - 132
Chlorobenzene	10.0	9.35		ug/L		93	60 - 136
Chloroethane	10.0	7.18		ug/L		72	56 - 144
Chloroform	10.0	9.11		ug/L		91	69 - 128
Chloromethane	10.0	4.85		ug/L		49	32 - 151
1,1-Dichloroethane	10.0	8.57		ug/L		86	66 - 126
1,2-Dichloroethane	10.0	8.60		ug/L		86	66 - 140
1,1-Dichloroethene	10.0	8.30		ug/L		83	59 - 145
trans-1,2-Dichloroethene	10.0	8.06		ug/L		81	70 - 132
1,2-Dichloropropane	10.0	8.98		ug/L		90	72 - 125
cis-1,3-Dichloropropene	10.0	9.24		ug/L		92	60 - 135
trans-1,3-Dichloropropene	10.0	9.76		ug/L		98	63 - 133
Ethylbenzene	10.0	10.2		ug/L		102	68 - 128
2-Hexanone	20.0	15.4		ug/L		77	51 - 130
Methylene Chloride	10.0	6.78		ug/L		68	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	16.0		ug/L		80	56 - 142
Styrene	10.0	10.2		ug/L		102	68 - 133
1,1,2,2-Tetrachloroethane	10.0	8.16		ug/L		82	68 - 134
Tetrachloroethene	10.0	15.1	*	ug/L		151	61 - 142
Toluene	10.0	10.2		ug/L		102	67 - 130
1,1,1-Trichloroethane	10.0	8.70		ug/L		87	65 - 142
1,1,2-Trichloroethane	10.0	9.47		ug/L		95	68 - 130
Trichloroethene	10.0	9.66		ug/L		97	68 - 130
Vinyl acetate	10.0	9.27		ug/L		93	58 - 175
Vinyl chloride	10.0	6.58		ug/L		66	47 - 146
o-Xylene	10.0	10.0		ug/L		100	68 - 134
m-Xylene & p-Xylene	20.0	19.2		ug/L		96	67 - 132
Xylenes, Total	30.0	29.2		ug/L		97	68 - 132
cis-1,2-Dichloroethene	10.0	8.08		ug/L		81	69 - 129
Bromodichloromethane	10.0	9.31		ug/L		93	73 - 130
1,2-Dichloroethene, Total	20.0	16.1		ug/L		81	65 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*110*		*70 - 130*
Dibromofluoromethane	*95*		*62 - 130*
4-Bromofluorobenzene	*79*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*82*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 600-74536/4
Matrix: Water
Analysis Batch: 74536

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			03/12/12 12:30	1
Benzene	0.080	U	1.0	0.080	ug/L			03/12/12 12:30	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			03/12/12 12:30	1
Bromoform	0.19	U	1.0	0.19	ug/L			03/12/12 12:30	1
Bromomethane	0.25	U	2.0	0.25	ug/L			03/12/12 12:30	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			03/12/12 12:30	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			03/12/12 12:30	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			03/12/12 12:30	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			03/12/12 12:30	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			03/12/12 12:30	1
Chloroethane	0.080	U	2.0	0.080	ug/L			03/12/12 12:30	1
Chloroform	0.13	U	1.0	0.13	ug/L			03/12/12 12:30	1
Chloromethane	0.18	U	2.0	0.18	ug/L			03/12/12 12:30	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			03/12/12 12:30	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			03/12/12 12:30	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			03/12/12 12:30	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			03/12/12 12:30	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			03/12/12 12:30	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			03/12/12 12:30	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			03/12/12 12:30	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			03/12/12 12:30	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			03/12/12 12:30	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			03/12/12 12:30	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			03/12/12 12:30	1
Styrene	0.070	U	1.0	0.070	ug/L			03/12/12 12:30	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			03/12/12 12:30	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			03/12/12 12:30	1
Toluene	0.15	U	1.0	0.15	ug/L			03/12/12 12:30	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			03/12/12 12:30	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			03/12/12 12:30	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			03/12/12 12:30	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			03/12/12 12:30	1
Vinyl chloride	0.134	J	2.0	0.11	ug/L			03/12/12 12:30	1
o-Xylene	0.12	U	1.0	0.12	ug/L			03/12/12 12:30	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			03/12/12 12:30	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			03/12/12 12:30	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			03/12/12 12:30	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			03/12/12 12:30	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			03/12/12 12:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*116*		*70 - 130*		*03/12/12 12:30*	*1*
Dibromofluoromethane	*96*		*62 - 130*		*03/12/12 12:30*	*1*
4-Bromofluorobenzene	*103*		*67 - 139*		*03/12/12 12:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*50 - 134*		*03/12/12 12:30*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-74536/3
Matrix: Water
Analysis Batch: 74536

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	12.0		ug/L		60	28 - 152
Benzene	10.0	9.58		ug/L		96	69 - 131
Chlorobromomethane	10.0	10.3		ug/L		103	60 - 141
Bromoform	10.0	10.1		ug/L		101	39 - 149
Bromomethane	10.0	3.08	*	ug/L		31	52 - 146
2-Butanone (MEK)	20.0	14.5		ug/L		72	59 - 133
Carbon disulfide	10.0	8.98		ug/L		90	32 - 177
Carbon tetrachloride	10.0	10.4		ug/L		104	59 - 147
Dibromochloromethane	10.0	10.2		ug/L		102	58 - 132
Chlorobenzene	10.0	11.0		ug/L		110	60 - 136
Chloroethane	10.0	7.79		ug/L		78	56 - 144
Chloroform	10.0	11.0		ug/L		110	69 - 128
Chloromethane	10.0	5.54		ug/L		55	32 - 151
1,1-Dichloroethane	10.0	9.87		ug/L		99	66 - 126
1,2-Dichloroethane	10.0	9.38		ug/L		94	66 - 140
1,1-Dichloroethene	10.0	7.19		ug/L		72	59 - 145
trans-1,2-Dichloroethene	10.0	7.97		ug/L		80	70 - 132
1,2-Dichloropropane	10.0	8.98		ug/L		90	72 - 125
cis-1,3-Dichloropropene	10.0	10.1		ug/L		101	60 - 135
trans-1,3-Dichloropropene	10.0	10.8		ug/L		108	63 - 133
Ethylbenzene	10.0	11.1		ug/L		111	68 - 128
2-Hexanone	20.0	16.6		ug/L		83	51 - 130
Methylene Chloride	10.0	7.11		ug/L		71	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	17.5		ug/L		88	56 - 142
Styrene	10.0	11.1		ug/L		111	68 - 133
1,1,2,2-Tetrachloroethane	10.0	8.53		ug/L		85	68 - 134
Tetrachloroethene	10.0	15.1	*	ug/L		151	61 - 142
Toluene	10.0	10.6		ug/L		106	67 - 130
1,1,1-Trichloroethane	10.0	10.1		ug/L		101	65 - 142
1,1,2-Trichloroethane	10.0	10.1		ug/L		101	68 - 130
Trichloroethene	10.0	10.5		ug/L		105	68 - 130
Vinyl acetate	10.0	13.5		ug/L		135	58 - 175
Vinyl chloride	10.0	7.86		ug/L		79	47 - 146
o-Xylene	10.0	10.7		ug/L		107	68 - 134
m-Xylene & p-Xylene	20.0	22.5		ug/L		112	67 - 132
Xylenes, Total	30.0	33.2		ug/L		111	68 - 132
cis-1,2-Dichloroethene	10.0	8.43		ug/L		84	69 - 129
Bromodichloromethane	10.0	9.78		ug/L		98	73 - 130
1,2-Dichloroethene, Total	20.0	16.4		ug/L		82	65 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*113*		*70 - 130*
Dibromofluoromethane	*93*		*62 - 130*
4-Bromofluorobenzene	*107*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*84*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 600-74558/4
Matrix: Water
Analysis Batch: 74558

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			03/12/12 11:33	1
Benzene	0.080	U	1.0	0.080	ug/L			03/12/12 11:33	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			03/12/12 11:33	1
Bromoform	0.19	U	1.0	0.19	ug/L			03/12/12 11:33	1
Bromomethane	0.25	U	2.0	0.25	ug/L			03/12/12 11:33	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			03/12/12 11:33	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			03/12/12 11:33	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			03/12/12 11:33	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			03/12/12 11:33	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			03/12/12 11:33	1
Chloroethane	0.080	U	2.0	0.080	ug/L			03/12/12 11:33	1
Chloroform	0.13	U	1.0	0.13	ug/L			03/12/12 11:33	1
Chloromethane	0.18	U	2.0	0.18	ug/L			03/12/12 11:33	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			03/12/12 11:33	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			03/12/12 11:33	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			03/12/12 11:33	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			03/12/12 11:33	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			03/12/12 11:33	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			03/12/12 11:33	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			03/12/12 11:33	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			03/12/12 11:33	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			03/12/12 11:33	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			03/12/12 11:33	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			03/12/12 11:33	1
Styrene	0.070	U	1.0	0.070	ug/L			03/12/12 11:33	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			03/12/12 11:33	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			03/12/12 11:33	1
Toluene	0.15	U	1.0	0.15	ug/L			03/12/12 11:33	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			03/12/12 11:33	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			03/12/12 11:33	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			03/12/12 11:33	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			03/12/12 11:33	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			03/12/12 11:33	1
o-Xylene	0.12	U	1.0	0.12	ug/L			03/12/12 11:33	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			03/12/12 11:33	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			03/12/12 11:33	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			03/12/12 11:33	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			03/12/12 11:33	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			03/12/12 11:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*105*		*70 - 130*		*03/12/12 11:33*	*1*
Dibromofluoromethane	*91*		*62 - 130*		*03/12/12 11:33*	*1*
4-Bromofluorobenzene	*79*		*67 - 139*		*03/12/12 11:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*85*		*50 - 134*		*03/12/12 11:33*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-74558/3
Matrix: Water
Analysis Batch: 74558

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	16.2		ug/L		81	28 - 152
Benzene	10.0	9.62		ug/L		96	69 - 131
Chlorobromomethane	10.0	8.25		ug/L		82	60 - 141
Bromoform	10.0	8.53		ug/L		85	39 - 149
Bromomethane	10.0	7.16		ug/L		72	52 - 146
2-Butanone (MEK)	20.0	14.7		ug/L		73	59 - 133
Carbon disulfide	10.0	9.01		ug/L		90	32 - 177
Carbon tetrachloride	10.0	8.75		ug/L		88	59 - 147
Dibromochloromethane	10.0	9.63		ug/L		96	58 - 132
Chlorobenzene	10.0	9.94		ug/L		99	60 - 136
Chloroethane	10.0	7.71		ug/L		77	56 - 144
Chloroform	10.0	9.66		ug/L		97	69 - 128
Chloromethane	10.0	4.95		ug/L		50	32 - 151
1,1-Dichloroethane	10.0	8.90		ug/L		89	66 - 126
1,2-Dichloroethane	10.0	8.93		ug/L		89	66 - 140
1,1-Dichloroethene	10.0	9.18		ug/L		92	59 - 145
trans-1,2-Dichloroethene	10.0	8.56		ug/L		86	70 - 132
1,2-Dichloropropane	10.0	9.44		ug/L		94	72 - 125
cis-1,3-Dichloropropene	10.0	9.62		ug/L		96	60 - 135
trans-1,3-Dichloropropene	10.0	9.47		ug/L		95	63 - 133
Ethylbenzene	10.0	11.0		ug/L		110	68 - 128
2-Hexanone	20.0	15.6		ug/L		78	51 - 130
Methylene Chloride	10.0	7.19		ug/L		72	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	16.0		ug/L		80	56 - 142
Styrene	10.0	10.9		ug/L		109	68 - 133
1,1,2,2-Tetrachloroethane	10.0	8.32		ug/L		83	68 - 134
Tetrachloroethene	10.0	13.3		ug/L		133	61 - 142
Toluene	10.0	10.8		ug/L		108	67 - 130
1,1,1-Trichloroethane	10.0	9.56		ug/L		96	65 - 142
1,1,2-Trichloroethane	10.0	10.1		ug/L		101	68 - 130
Trichloroethene	10.0	10.8		ug/L		108	68 - 130
Vinyl acetate	10.0	9.20		ug/L		92	58 - 175
Vinyl chloride	10.0	7.13		ug/L		71	47 - 146
o-Xylene	10.0	10.7		ug/L		107	68 - 134
m-Xylene & p-Xylene	20.0	20.9		ug/L		105	67 - 132
Xylenes, Total	30.0	31.6		ug/L		105	68 - 132
cis-1,2-Dichloroethene	10.0	8.53		ug/L		85	69 - 129
Bromodichloromethane	10.0	10.0		ug/L		100	73 - 130
1,2-Dichloroethene, Total	20.0	17.1		ug/L		85	65 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*111*		*70 - 130*
Dibromofluoromethane	*99*		*62 - 130*
4-Bromofluorobenzene	*82*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*86*		*50 - 134*

QC Association Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-51267-1

GC/MS VOA

Analysis Batch: 74429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-51267-10	Trip Blank	Total/NA	Water	8260B	
LCS 600-74429/3	Lab Control Sample	Total/NA	Water	8260B	
MB 600-74429/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 74480

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-51267-3 - DL	MW-8-NP-2	Total/NA	Water	8260B	
600-51267-3	MW-8-NP-2	Total/NA	Water	8260B	
600-51267-4 - DL	MW-11-NP-2	Total/NA	Water	8260B	
600-51267-4	MW-11-NP-2	Total/NA	Water	8260B	
600-51267-5 - DL	MW-40-NP-2	Total/NA	Water	8260B	
600-51267-5	MW-40-NP-2	Total/NA	Water	8260B	
600-51267-6 - DL	MW-68-NP-2	Total/NA	Water	8260B	
600-51267-6	MW-68-NP-2	Total/NA	Water	8260B	
600-51267-9 - DL	DUP-NP-2	Total/NA	Water	8260B	
600-51267-9	DUP-NP-2	Total/NA	Water	8260B	
LCS 600-74480/9	Lab Control Sample	Total/NA	Water	8260B	
MB 600-74480/3	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 74536

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-51267-1 - DL2	MW-71-NP-2	Total/NA	Water	8260B	
600-51267-2 - DL2	MW-65-NP-2	Total/NA	Water	8260B	
600-51267-4 - DL	MW-11-NP-2	Total/NA	Water	8260B	
600-51267-5 - DL	MW-40-NP-2	Total/NA	Water	8260B	
600-51267-6 - DL	MW-68-NP-2	Total/NA	Water	8260B	
600-51267-7 - DL2	MW-66-NP-2	Total/NA	Water	8260B	
600-51267-8 - DL2	MW-4-NP-2	Total/NA	Water	8260B	
LCS 600-74536/3	Lab Control Sample	Total/NA	Water	8260B	
MB 600-74536/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 74558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-51267-1 - DL	MW-71-NP-2	Total/NA	Water	8260B	
600-51267-1	MW-71-NP-2	Total/NA	Water	8260B	
600-51267-2	MW-65-NP-2	Total/NA	Water	8260B	
600-51267-7 - DL	MW-66-NP-2	Total/NA	Water	8260B	
600-51267-7	MW-66-NP-2	Total/NA	Water	8260B	
600-51267-8 - DL	MW-4-NP-2	Total/NA	Water	8260B	
600-51267-8	MW-4-NP-2	Total/NA	Water	8260B	
LCS 600-74558/3	Lab Control Sample	Total/NA	Water	8260B	
MB 600-74558/4	Method Blank	Total/NA	Water	8260B	

Lab Chronicle

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-51267-1

Client Sample ID: MW-71-NP-2 — Lab Sample ID: 600-51267-1

Date Collected: 02/29/12 08:10 — **Matrix: Water**
Date Received: 02/29/12 13:32

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL2	10000	74536	03/12/12 18:36	DT	TAL HOU
Total/NA	Analysis	8260B	DL	2000	74558	03/12/12 15:17	DT	TAL HOU
Total/NA	Analysis	8260B		100	74558	03/12/12 18:36	DT	TAL HOU

Client Sample ID: MW-65-NP-2 — Lab Sample ID: 600-51267-2

Date Collected: 02/29/12 08:40 — **Matrix: Water**
Date Received: 02/29/12 13:32

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL2	5000	74536	03/12/12 19:03	DT	TAL HOU
Total/NA	Analysis	8260B		100	74558	03/12/12 19:04	DT	TAL HOU

Client Sample ID: MW-8-NP-2 — Lab Sample ID: 600-51267-3

Date Collected: 02/29/12 09:05 — **Matrix: Water**
Date Received: 02/29/12 13:32

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	20	74480	03/10/12 19:41	DT	TAL HOU
Total/NA	Analysis	8260B		1	74480	03/10/12 21:03	DT	TAL HOU

Client Sample ID: MW-11-NP-2 — Lab Sample ID: 600-51267-4

Date Collected: 02/29/12 09:35 — **Matrix: Water**
Date Received: 02/29/12 13:32

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	100	74480	03/10/12 21:57	DT	TAL HOU
Total/NA	Analysis	8260B		5	74480	03/10/12 22:52	DT	TAL HOU
Total/NA	Analysis	8260B	DL	500	74536	03/12/12 14:41	DT	TAL HOU

Client Sample ID: MW-40-NP-2 — Lab Sample ID: 600-51267-5

Date Collected: 02/29/12 09:55 — **Matrix: Water**
Date Received: 02/29/12 13:32

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	50	74480	03/10/12 20:36	DT	TAL HOU
Total/NA	Analysis	8260B		5	74480	03/10/12 23:20	DT	TAL HOU
Total/NA	Analysis	8260B	DL	200	74536	03/12/12 15:08	DT	TAL HOU

Lab Chronicle

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-51267-1

Client Sample ID: MW-68-NP-2 — Lab Sample ID: 600-51267-6

Date Collected: 02/29/12 10:15 — **Matrix: Water**
Date Received: 02/29/12 13:32

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	50	74480	03/10/12 22:25	DT	TAL HOU
Total/NA	Analysis	8260B		5	74480	03/10/12 23:48	DT	TAL HOU
Total/NA	Analysis	8260B	DL	200	74536	03/12/12 15:36	DT	TAL HOU

Client Sample ID: MW-66-NP-2 — Lab Sample ID: 600-51267-7

Date Collected: 02/29/12 10:40 — **Matrix: Water**
Date Received: 02/29/12 13:32

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL2	5000	74536	03/12/12 19:30	DT	TAL HOU
Total/NA	Analysis	8260B	DL	1000	74558	03/12/12 16:40	DT	TAL HOU
Total/NA	Analysis	8260B		100	74558	03/12/12 19:31	DT	TAL HOU

Client Sample ID: MW-4-NP-2 — Lab Sample ID: 600-51267-8

Date Collected: 02/29/12 10:55 — **Matrix: Water**
Date Received: 02/29/12 13:32

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL2	5000	74536	03/12/12 19:58	DT	TAL HOU
Total/NA	Analysis	8260B	DL	1000	74558	03/12/12 17:07	DT	TAL HOU
Total/NA	Analysis	8260B		100	74558	03/12/12 19:59	DT	TAL HOU

Client Sample ID: DUP-NP-2 — Lab Sample ID: 600-51267-9

Date Collected: 02/29/12 00:00 — **Matrix: Water**
Date Received: 02/29/12 13:32

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	20	74480	03/10/12 20:09	DT	TAL HOU
Total/NA	Analysis	8260B		1	74480	03/10/12 21:30	DT	TAL HOU

Client Sample ID: Trip Blank — Lab Sample ID: 600-51267-10

Date Collected: 02/29/12 00:00 — **Matrix: Water**
Date Received: 02/29/12 13:32

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	74429	03/09/12 13:06	DT	TAL HOU

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Certification Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-51267-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Houston	Arkansas DEQ	State Program	6	88-0759
TestAmerica Houston	Louisiana	NELAC	6	30643
TestAmerica Houston	Oklahoma	State Program	6	9503
TestAmerica Houston	Texas	NELAC	6	T104704223-10-6-TX
TestAmerica Houston	USDA	Federal		P330-08-00217
TestAmerica Houston	Utah	NELAC	8	GULF

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-51267-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL HOU

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Sample Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-51267-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
600-51267-1	MW-71-NP-2	Water	02/29/12 08:10	02/29/12 13:32
600-51267-2	MW-65-NP-2	Water	02/29/12 08:40	02/29/12 13:32
600-51267-3	MW-8-NP-2	Water	02/29/12 09:05	02/29/12 13:32
600-51267-4	MW-11-NP-2	Water	02/29/12 09:35	02/29/12 13:32
600-51267-5	MW-40-NP-2	Water	02/29/12 09:55	02/29/12 13:32
600-51267-6	MW-68-NP-2	Water	02/29/12 10:15	02/29/12 13:32
600-51267-7	MW-66-NP-2	Water	02/29/12 10:40	02/29/12 13:32
600-51267-8	MW-4-NP-2	Water	02/29/12 10:55	02/29/12 13:32
600-51267-9	DUP-NP-2	Water	02/29/12 00:00	02/29/12 13:32
600-51267-10	Trip Blank	Water	02/29/12 00:00	02/29/12 13:32

TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Phone (713) 690-4444 Fax (713) 690-5646

Chain of Custody Record

TestAmerica

3/13/2012

Client Information

Client Contact: Ms. Kate Hamel
Company: Groundwater Services, Inc.
Address: 2211 Norfolk, Suite 1000
City: Houston
State, Zip: TX, 77098-4044
Phone: 713-522-6300(Tel)
Email: kchamel@gsi-net.com, tem@gsi-net.com
Project Name: G-3460
Site: N-80

Sampler: KATE HAMEL
Phone: 713-522-6300
Lab PM: Kudchadkar, Sachin G
E-Mail: sachin.kudchadkar@testamericainc.com
Carrier Tracking No(s):
COC No: 600-11558-5028.1
Page: Page 1 of 1
Job #: 3460

Due Date Requested:
TAT Requested (days): STANDARD
PO #: Purchase Order not requir
WO #: G-3460
Project #: 60002425
SSOW#:

Analysis Requested

Loc: 600
51267

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - Di Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B_LL - Target Compound List	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
MW-71-NP-2	2/29/12	810	G	Water			✓		
MW-65-NP-2		840		Water			✓		
MW-8-NP-2		905		Water			✓		
MW-11-NP-2		935		Water			✓		
MW-40-NP-2		955		Water			✓		
MW-68-NP-2		1015		Water			✓		
MW-66-NP-2		1040		Water			✓		
MW-4-NP-2		1055		Water			✓		
DUP-NP-2		—		Water			✓		
TRIP BLANK		—		Water			✓		

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☑ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: STANDARD QA/QC

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
KATE HAMEL	2/29/12	GSI	[signature]	2/29/12 12	GSI
[signature]	2/29/2012/1330	GSI	[signature]	2/29/12 1330	

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Login Sample Receipt Checklist

Client: Groundwater Services, Inc.

Job Number: 600-51267-1

Login Number: 51267
List Number: 1
Creator: Capps, Dana

List Source: TestAmerica Houston

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	4.0
Cooler Temperature is recorded.	True	545
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Tel: (713)690-4444

TestAmerica Job ID: 600-50264-1
Client Project/Site: G-3460 N-80

For:
Groundwater Services, Inc.
2211 Norfolk, Suite 1000
Houston, Texas 77098-4044

Attn: Ms. Kate Hamel

Sonia West

Authorized for release by:
2/17/2012 4:05:53 PM
Sonia West
Project Manager I
sonia.west@testamericainc.com

Designee for

Sachin Kudchadkar
Project Manager II
sachin.kudchadkar@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-50264-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	LCS or LCSD exceeds the control limits
F	MS or MSD exceeds the control limits
B	Compound was found in the blank and sample.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 600-50264-1

Laboratory: TestAmerica Houston

Narrative

Job Narrative
600-50264-1

Comments
No additional comments.

Receipt
The following sample(s) was submitted for analysis; however, it was not listed on the Chain-of-Custody (COC): DUP-24-2 (600-50264-12)

A Chain-of-Custody (COC) was not received with these samples.

All other samples were received in good condition within temperature requirements.

GC/MS VOA
Method(s) 8260B: The matrix spike (MS) recoveries associated with batch 72196 was outside control limits: (600-50269-2 MS). Matrix interference is suspected.

Method(s) 8260B: The following sample(s) was diluted due to the abundance of target analytes: DUP-24-2 (600-50264-12), MW-11-24-2 (600-50264-8), MW-11-Pre24-2 (600-50264-6), MW-40-24-2 (600-50264-11), MW-40-Pre24-2 (600-50264-9), MW-4-PRE24-2 (600-50264-15), MW-65-24-2 (600-50264-4), MW-65-PRE24-2 (600-50264-2), MW-66-PRE24-2 (600-50264-16), MW-68-Pre24-4 (600-50264-10), MW-71-24-2 (600-50264-3), MW-71-PRE24-2 (600-50264-1), MW-8-24-2 (600-50264-7), MW-8-Pre24-2 (600-50264-5). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries associated with batch 72196 were outside control limits: (600-50269-2 MSD). Matrix interference is suspected.

Method(s) 8260B: The following sample(s) was diluted due to the nature of the sample matrix: MW-8-Pre24-2 (600-50264-5). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The method blank for batch 72286 contained Chlorobenzene and Trichloroethene above the method detection limit. These target analytes concentration were less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 8260B: The following sample(s) was diluted due to the nature of the sample matrix: MW-8-24-2 (600-50264-7). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The matrix spike(MS) recoveries associated with batch 72388 was outside control limits: (600-50264-3 MS). Matrix interference is suspected.

Method(s) 8260B: The laboratory control sample (LCS) for batch 72388 exceeded control limits for the following analyte: Tetrachloroethene. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260B: The matrix spike duplicate (MSD) recoveries associated with batch 72388 were outside control limits: (600-50264-3 MSD). Matrix interference is suspected.

Method(s) 8260B: The following sample(s) was diluted due to the abundance of target analytes: MW-4-24-2 (600-50264-19), MW-4-PRE24-2 (600-50264-15), MW-66-24-2 (600-50264-18), MW-66-PRE24-2 (600-50264-16), MW-68-24-2 (600-50264-17). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries associated with batch 72584 were outside control limits: (600-50264-7 MS), (600-50264-7 MSD). Matrix interference is suspected.

No other analytical or quality issues were noted.

Detection Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-50264-1

Client Sample ID: MW-71-PRE24-2 — Lab Sample ID: 600-50264-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3800		250	50	ug/L	50		8260B	Total/NA
Chlorobenzene	130		50	6.0	ug/L	50		8260B	Total/NA
1,1-Dichloroethane	960		50	5.5	ug/L	50		8260B	Total/NA
1,1-Dichloroethene	630		50	9.5	ug/L	50		8260B	Total/NA
trans-1,2-Dichloroethene	1400		50	4.5	ug/L	50		8260B	Total/NA
Ethylbenzene	740		50	5.5	ug/L	50		8260B	Total/NA
Methylene Chloride	82	J	250	7.5	ug/L	50		8260B	Total/NA
Tetrachloroethene	30	J	50	6.5	ug/L	50		8260B	Total/NA
Toluene	110		50	7.5	ug/L	50		8260B	Total/NA
Trichloroethene	130		50	9.0	ug/L	50		8260B	Total/NA
o-Xylene	12	J	50	6.0	ug/L	50		8260B	Total/NA
m-Xylene & p-Xylene	19	J	50	8.5	ug/L	50		8260B	Total/NA
Xylenes, Total	31	J	50	13	ug/L	50		8260B	Total/NA
cis-1,2-Dichloroethene	770		50	3.0	ug/L	50		8260B	Total/NA
1,2-Dichloroethene, Total	2200		50	15	ug/L	50		8260B	Total/NA
Benzene - DL	3900		2000	160	ug/L	2000		8260B	Total/NA
1,2-Dichloroethane - DL	85000		2000	280	ug/L	2000		8260B	Total/NA
1,1,2-Trichloroethane - DL	10000		2000	560	ug/L	2000		8260B	Total/NA
Vinyl chloride - DL	35000		4000	220	ug/L	2000		8260B	Total/NA

Client Sample ID: MW-65-PRE24-2 — Lab Sample ID: 600-50264-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	1600		50	6.0	ug/L	50		8260B	Total/NA
Chloroform	73		50	6.5	ug/L	50		8260B	Total/NA
Ethylbenzene	1200		50	5.5	ug/L	50		8260B	Total/NA
Styrene	48	J	50	3.5	ug/L	50		8260B	Total/NA
Tetrachloroethene	270		50	6.5	ug/L	50		8260B	Total/NA
Toluene	320		50	7.5	ug/L	50		8260B	Total/NA
1,1,2-Trichloroethane	50		50	14	ug/L	50		8260B	Total/NA
Trichloroethene	1100		50	9.0	ug/L	50		8260B	Total/NA
o-Xylene	36	J	50	6.0	ug/L	50		8260B	Total/NA
m-Xylene & p-Xylene	69		50	8.5	ug/L	50		8260B	Total/NA
Xylenes, Total	110		50	13	ug/L	50		8260B	Total/NA
Benzene - DL	4900		500	40	ug/L	500		8260B	Total/NA
1,1-Dichloroethane - DL	3700		500	55	ug/L	500		8260B	Total/NA
1,1-Dichloroethene - DL	3400		500	95	ug/L	500		8260B	Total/NA
trans-1,2-Dichloroethene - DL	6700		500	45	ug/L	500		8260B	Total/NA
cis-1,2-Dichloroethene - DL	1700		500	30	ug/L	500		8260B	Total/NA
1,2-Dichloroethene, Total - DL	8400		500	150	ug/L	500		8260B	Total/NA
Vinyl chloride - DL2	190000		40000	2200	ug/L	20000		8260B	Total/NA

Client Sample ID: MW-71-24-2 — Lab Sample ID: 600-50264-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3100		250	50	ug/L	50		8260B	Total/NA
Chlorobenzene	160		50	6.0	ug/L	50		8260B	Total/NA
1,1-Dichloroethane	930		50	5.5	ug/L	50		8260B	Total/NA
1,1-Dichloroethene	450		50	9.5	ug/L	50		8260B	Total/NA
trans-1,2-Dichloroethene	1200		50	4.5	ug/L	50		8260B	Total/NA
Ethylbenzene	780		50	5.5	ug/L	50		8260B	Total/NA
Methylene Chloride	44	J	250	7.5	ug/L	50		8260B	Total/NA
Tetrachloroethene	27	J	50	6.5	ug/L	50		8260B	Total/NA
Toluene	120		50	7.5	ug/L	50		8260B	Total/NA

Client Sample ID: MW-71-24-2 (Continued) — Lab Sample ID: 600-50264-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	130		50	9.0	ug/L	50		8260B	Total/NA
o-Xylene	8.5	J	50	6.0	ug/L	50		8260B	Total/NA
m-Xylene & p-Xylene	33	J	50	8.5	ug/L	50		8260B	Total/NA
Xylenes, Total	42	J	50	13	ug/L	50		8260B	Total/NA
cis-1,2-Dichloroethene	660		50	3.0	ug/L	50		8260B	Total/NA
1,2-Dichloroethene, Total	1900		50	15	ug/L	50		8260B	Total/NA
Benzene - DL	4400		1000	80	ug/L	1000		8260B	Total/NA
1,2-Dichloroethane - DL	62000		5000	700	ug/L	5000		8260B	Total/NA
1,1,2-Trichloroethane - DL	7900		1000	280	ug/L	1000		8260B	Total/NA
Vinyl chloride - DL	39000		2000	110	ug/L	1000		8260B	Total/NA

Client Sample ID: MW-65-24-2 — Lab Sample ID: 600-50264-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	30	J	100	12	ug/L	50		8260B	Total/NA
Chlorobenzene	1700		50	6.0	ug/L	50		8260B	Total/NA
1,2-Dichloroethane	780		50	7.0	ug/L	50		8260B	Total/NA
1,1-Dichloroethene	2000		50	9.5	ug/L	50		8260B	Total/NA
Ethylbenzene	1500		50	5.5	ug/L	50		8260B	Total/NA
Styrene	51		50	3.5	ug/L	50		8260B	Total/NA
Tetrachloroethene	280		50	6.5	ug/L	50		8260B	Total/NA
Toluene	340		50	7.5	ug/L	50		8260B	Total/NA
Trichloroethene	700		50	9.0	ug/L	50		8260B	Total/NA
o-Xylene	42	J	50	6.0	ug/L	50		8260B	Total/NA
m-Xylene & p-Xylene	92		50	8.5	ug/L	50		8260B	Total/NA
Xylenes, Total	130		50	13	ug/L	50		8260B	Total/NA
Benzene - DL	4800		1000	80	ug/L	1000		8260B	Total/NA
1,1-Dichloroethane - DL	3800		1000	110	ug/L	1000		8260B	Total/NA
trans-1,2-Dichloroethene - DL	6400		1000	90	ug/L	1000		8260B	Total/NA
cis-1,2-Dichloroethene - DL	1000		1000	60	ug/L	1000		8260B	Total/NA
1,2-Dichloroethene, Total - DL	7400		1000	300	ug/L	1000		8260B	Total/NA
Vinyl chloride - DL2	170000		20000	1100	ug/L	10000		8260B	Total/NA

Client Sample ID: MW-8-Pre24-2 — Lab Sample ID: 600-50264-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	95		50	9.9	ug/L	10		8260B	Total/NA
Benzene	410		10	0.80	ug/L	10		8260B	Total/NA
2-Butanone (MEK)	190		20	7.6	ug/L	10		8260B	Total/NA
Carbon disulfide	5.7	J	20	2.4	ug/L	10		8260B	Total/NA
Chlorobenzene	120	B	10	1.2	ug/L	10		8260B	Total/NA
Chloroform	1.4	J	10	1.3	ug/L	10		8260B	Total/NA
1,1-Dichloroethane	220		10	1.1	ug/L	10		8260B	Total/NA
1,2-Dichloroethane	67		10	1.4	ug/L	10		8260B	Total/NA
1,1-Dichloroethene	11		10	1.9	ug/L	10		8260B	Total/NA
trans-1,2-Dichloroethene	97		10	0.90	ug/L	10		8260B	Total/NA
Ethylbenzene	320		10	1.1	ug/L	10		8260B	Total/NA
Methylene Chloride	1.5	J	50	1.5	ug/L	10		8260B	Total/NA
Styrene	10		10	0.70	ug/L	10		8260B	Total/NA
Toluene	43		10	1.5	ug/L	10		8260B	Total/NA
Trichloroethene	12	B	10	1.8	ug/L	10		8260B	Total/NA
Vinyl chloride	390		20	1.1	ug/L	10		8260B	Total/NA
o-Xylene	6.2	J	10	1.2	ug/L	10		8260B	Total/NA
m-Xylene & p-Xylene	21		10	1.7	ug/L	10		8260B	Total/NA

Client Sample ID: MW-8-Pre24-2 (Continued) — Lab Sample ID: 600-50264-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Xylenes, Total	27		10	2.6	ug/L	10		8260B	Total/NA
cis-1,2-Dichloroethene	13		10	0.60	ug/L	10		8260B	Total/NA
1,2-Dichloroethene, Total	110		10	3.0	ug/L	10		8260B	Total/NA

Client Sample ID: MW-11-Pre24-2 — Lab Sample ID: 600-50264-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	140		50	4.0	ug/L	50		8260B	Total/NA
Chlorobenzene	260		50	6.0	ug/L	50		8260B	Total/NA
1,1-Dichloroethane	1000		50	5.5	ug/L	50		8260B	Total/NA
1,2-Dichloroethane	640		50	7.0	ug/L	50		8260B	Total/NA
1,1-Dichloroethene	260		50	9.5	ug/L	50		8260B	Total/NA
trans-1,2-Dichloroethene	1200		50	4.5	ug/L	50		8260B	Total/NA
Ethylbenzene	31	J	50	5.5	ug/L	50		8260B	Total/NA
Toluene	11	J	50	7.5	ug/L	50		8260B	Total/NA
Trichloroethene	330		50	9.0	ug/L	50		8260B	Total/NA
m-Xylene & p-Xylene	25	J	50	8.5	ug/L	50		8260B	Total/NA
Xylenes, Total	25	J	50	13	ug/L	50		8260B	Total/NA
cis-1,2-Dichloroethene	2200		50	3.0	ug/L	50		8260B	Total/NA
1,2-Dichloroethene, Total	3400		50	15	ug/L	50		8260B	Total/NA
Vinyl chloride - DL	14000		2000	110	ug/L	1000		8260B	Total/NA

Client Sample ID: MW-8-24-2 — Lab Sample ID: 600-50264-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	18	J	25	5.0	ug/L	5		8260B	Total/NA
Benzene	210		5.0	0.40	ug/L	5		8260B	Total/NA
2-Butanone (MEK)	35		10	3.8	ug/L	5		8260B	Total/NA
Carbon disulfide	1.6	J	10	1.2	ug/L	5		8260B	Total/NA
Chlorobenzene	47	B	5.0	0.60	ug/L	5		8260B	Total/NA
1,1-Dichloroethane	82		5.0	0.55	ug/L	5		8260B	Total/NA
1,2-Dichloroethane	24		5.0	0.70	ug/L	5		8260B	Total/NA
1,1-Dichloroethene	2.8	J	5.0	0.95	ug/L	5		8260B	Total/NA
trans-1,2-Dichloroethene	46		5.0	0.45	ug/L	5		8260B	Total/NA
Styrene	5.1		5.0	0.35	ug/L	5		8260B	Total/NA
Toluene	26		5.0	0.75	ug/L	5		8260B	Total/NA
Trichloroethene	2.8	J B	5.0	0.90	ug/L	5		8260B	Total/NA
Vinyl chloride	230		10	0.55	ug/L	5		8260B	Total/NA
o-Xylene	3.8	J	5.0	0.60	ug/L	5		8260B	Total/NA
m-Xylene & p-Xylene	11		5.0	0.85	ug/L	5		8260B	Total/NA
Xylenes, Total	15		5.0	1.3	ug/L	5		8260B	Total/NA
cis-1,2-Dichloroethene	2.9	J	5.0	0.30	ug/L	5		8260B	Total/NA
1,2-Dichloroethene, Total	49		5.0	1.5	ug/L	5		8260B	Total/NA
Ethylbenzene - DL	160		20	2.2	ug/L	20		8260B	Total/NA

Client Sample ID: MW-11-24-2 — Lab Sample ID: 600-50264-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	120		50	4.0	ug/L	50		8260B	Total/NA
Chlorobenzene	290		50	6.0	ug/L	50		8260B	Total/NA
1,1-Dichloroethane	930		50	5.5	ug/L	50		8260B	Total/NA
1,2-Dichloroethane	530		50	7.0	ug/L	50		8260B	Total/NA
1,1-Dichloroethene	270		50	9.5	ug/L	50		8260B	Total/NA
trans-1,2-Dichloroethene	1200		50	4.5	ug/L	50		8260B	Total/NA

Client Sample ID: MW-11-24-2 (Continued) — Lab Sample ID: 600-50264-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	29	J	50	5.5	ug/L	50		8260B	Total/NA
Toluene	12	J	50	7.5	ug/L	50		8260B	Total/NA
Trichloroethene	370		50	9.0	ug/L	50		8260B	Total/NA
m-Xylene & p-Xylene	24	J	50	8.5	ug/L	50		8260B	Total/NA
Xylenes, Total	24	J	50	13	ug/L	50		8260B	Total/NA
cis-1,2-Dichloroethene	2300		50	3.0	ug/L	50		8260B	Total/NA
1,2-Dichloroethene, Total	3500		50	15	ug/L	50		8260B	Total/NA
Vinyl chloride - DL	13000		2000	110	ug/L	1000		8260B	Total/NA

Client Sample ID: MW-40-Pre24-2 — Lab Sample ID: 600-50264-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	120		50	4.0	ug/L	50		8260B	Total/NA
Chlorobenzene	320		50	6.0	ug/L	50		8260B	Total/NA
1,1-Dichloroethane	450		50	5.5	ug/L	50		8260B	Total/NA
Ethylbenzene	92		50	5.5	ug/L	50		8260B	Total/NA
Toluene	26	J	50	7.5	ug/L	50		8260B	Total/NA
Vinyl chloride - DL	3200		1000	55	ug/L	500		8260B	Total/NA

Client Sample ID: MW-68-Pre24-4 — Lab Sample ID: 600-50264-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	120		50	4.0	ug/L	50		8260B	Total/NA
Chlorobenzene	50		50	6.0	ug/L	50		8260B	Total/NA
1,1-Dichloroethane	150		50	5.5	ug/L	50		8260B	Total/NA
trans-1,2-Dichloroethene	440		50	4.5	ug/L	50		8260B	Total/NA
Ethylbenzene	270		50	5.5	ug/L	50		8260B	Total/NA
Toluene	41	J	50	7.5	ug/L	50		8260B	Total/NA
m-Xylene & p-Xylene	220		50	8.5	ug/L	50		8260B	Total/NA
Xylenes, Total	220		50	13	ug/L	50		8260B	Total/NA
1,2-Dichloroethene, Total	440		50	15	ug/L	50		8260B	Total/NA
Vinyl chloride - DL	5900		2000	110	ug/L	1000		8260B	Total/NA

Client Sample ID: MW-40-24-2 — Lab Sample ID: 600-50264-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	160		50	4.0	ug/L	50		8260B	Total/NA
Chlorobenzene	570		50	6.0	ug/L	50		8260B	Total/NA
1,1-Dichloroethane	610		50	5.5	ug/L	50		8260B	Total/NA
Ethylbenzene	240		50	5.5	ug/L	50		8260B	Total/NA
Toluene	41	J	50	7.5	ug/L	50		8260B	Total/NA
Vinyl chloride - DL	4600		1000	55	ug/L	500		8260B	Total/NA

Client Sample ID: DUP-24-2 — Lab Sample ID: 600-50264-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	130		50	4.0	ug/L	50		8260B	Total/NA
Chlorobenzene	290		50	6.0	ug/L	50		8260B	Total/NA
1,1-Dichloroethane	980		50	5.5	ug/L	50		8260B	Total/NA
1,2-Dichloroethane	480		50	7.0	ug/L	50		8260B	Total/NA
1,1-Dichloroethene	290		50	9.5	ug/L	50		8260B	Total/NA
trans-1,2-Dichloroethene	1200		50	4.5	ug/L	50		8260B	Total/NA
Ethylbenzene	28	J	50	5.5	ug/L	50		8260B	Total/NA
Toluene	12	J	50	7.5	ug/L	50		8260B	Total/NA

Client Sample ID: DUP-24-2 (Continued) — Lab Sample ID: 600-50264-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	370		50	9.0	ug/L	50		8260B	Total/NA
cis-1,2-Dichloroethene	2200		50	3.0	ug/L	50		8260B	Total/NA
1,2-Dichloroethene, Total	3400		50	15	ug/L	50		8260B	Total/NA
Vinyl chloride - DL	12000		2000	110	ug/L	1000		8260B	Total/NA

Client Sample ID: MW-4-PRE24-2 — Lab Sample ID: 600-50264-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	4500		500	40	ug/L	500		8260B	Total/NA
Chlorobenzene	1100		500	60	ug/L	500		8260B	Total/NA
1,1-Dichloroethane	5300		500	55	ug/L	500		8260B	Total/NA
1,1-Dichloroethene	7900		500	95	ug/L	500		8260B	Total/NA
trans-1,2-Dichloroethene	8200		500	45	ug/L	500		8260B	Total/NA
Ethylbenzene	830		500	55	ug/L	500		8260B	Total/NA
Tetrachloroethene	490	J *	500	65	ug/L	500		8260B	Total/NA
Toluene	260	J	500	75	ug/L	500		8260B	Total/NA
Trichloroethene	1800		500	90	ug/L	500		8260B	Total/NA
m-Xylene & p-Xylene	950		500	85	ug/L	500		8260B	Total/NA
Xylenes, Total	950		500	130	ug/L	500		8260B	Total/NA
cis-1,2-Dichloroethene	4100		500	30	ug/L	500		8260B	Total/NA
1,2-Dichloroethene, Total	12000		500	150	ug/L	500		8260B	Total/NA
1,2-Dichloroethane - DL	89000		10000	1400	ug/L	10000		8260B	Total/NA
Vinyl chloride - DL	160000		20000	1100	ug/L	10000		8260B	Total/NA

Client Sample ID: MW-66-PRE24-2 — Lab Sample ID: 600-50264-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	4700		500	40	ug/L	500		8260B	Total/NA
Chlorobenzene	1000		500	60	ug/L	500		8260B	Total/NA
1,1-Dichloroethane	3200		500	55	ug/L	500		8260B	Total/NA
1,1-Dichloroethene	2100		500	95	ug/L	500		8260B	Total/NA
trans-1,2-Dichloroethene	3300		500	45	ug/L	500		8260B	Total/NA
Ethylbenzene	2200		500	55	ug/L	500		8260B	Total/NA
Styrene	670		500	35	ug/L	500		8260B	Total/NA
Tetrachloroethene	310	J *	500	65	ug/L	500		8260B	Total/NA
Toluene	1400		500	75	ug/L	500		8260B	Total/NA
Trichloroethene	980		500	90	ug/L	500		8260B	Total/NA
cis-1,2-Dichloroethene	1500		500	30	ug/L	500		8260B	Total/NA
1,2-Dichloroethene, Total	4800		500	150	ug/L	500		8260B	Total/NA
1,2-Dichloroethane - DL	160000		10000	1400	ug/L	10000		8260B	Total/NA
1,1,2-Trichloroethane - DL	58000		10000	2800	ug/L	10000		8260B	Total/NA
Vinyl chloride - DL	67000		20000	1100	ug/L	10000		8260B	Total/NA

Client Sample ID: MW-68-24-2 — Lab Sample ID: 600-50264-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	140		20	1.6	ug/L	20		8260B	Total/NA
Chlorobenzene	51		20	2.4	ug/L	20		8260B	Total/NA
1,1-Dichloroethane	130		20	2.2	ug/L	20		8260B	Total/NA
1,2-Dichloroethane	7.7	J	20	2.8	ug/L	20		8260B	Total/NA
1,1-Dichloroethene	4.0	J	20	3.8	ug/L	20		8260B	Total/NA
trans-1,2-Dichloroethene	290		20	1.8	ug/L	20		8260B	Total/NA
Ethylbenzene	180		20	2.2	ug/L	20		8260B	Total/NA
Toluene	46		20	3.0	ug/L	20		8260B	Total/NA

Client Sample ID: MW-68-24-2 (Continued) — Lab Sample ID: 600-50264-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	3.7	J	20	3.6	ug/L	20		8260B	Total/NA
m-Xylene & p-Xylene	39		20	3.4	ug/L	20		8260B	Total/NA
Xylenes, Total	39		20	5.2	ug/L	20		8260B	Total/NA
cis-1,2-Dichloroethene	11	J	20	1.2	ug/L	20		8260B	Total/NA
1,2-Dichloroethene, Total	300		20	6.0	ug/L	20		8260B	Total/NA
Vinyl chloride - DL	4900		1000	55	ug/L	500		8260B	Total/NA

Client Sample ID: MW-66-24-2 — Lab Sample ID: 600-50264-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	5100		500	40	ug/L	500		8260B	Total/NA
Chlorobenzene	1200		500	60	ug/L	500		8260B	Total/NA
1,1-Dichloroethane	3300		500	55	ug/L	500		8260B	Total/NA
1,1-Dichloroethene	2300		500	95	ug/L	500		8260B	Total/NA
trans-1,2-Dichloroethene	3500		500	45	ug/L	500		8260B	Total/NA
Ethylbenzene	2700		500	55	ug/L	500		8260B	Total/NA
Methylene Chloride	140	J	2500	75	ug/L	500		8260B	Total/NA
Styrene	740		500	35	ug/L	500		8260B	Total/NA
Tetrachloroethene	330	J *	500	65	ug/L	500		8260B	Total/NA
Toluene	1700		500	75	ug/L	500		8260B	Total/NA
Trichloroethene	1100		500	90	ug/L	500		8260B	Total/NA
cis-1,2-Dichloroethene	1500		500	30	ug/L	500		8260B	Total/NA
1,2-Dichloroethene, Total	5000		500	150	ug/L	500		8260B	Total/NA
1,2-Dichloroethane - DL	170000		10000	1400	ug/L	10000		8260B	Total/NA
1,1,2-Trichloroethane - DL	61000		10000	2800	ug/L	10000		8260B	Total/NA
Vinyl chloride - DL	68000		20000	1100	ug/L	10000		8260B	Total/NA

Client Sample ID: MW-4-24-2 — Lab Sample ID: 600-50264-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	4800		500	40	ug/L	500		8260B	Total/NA
Chlorobenzene	1200		500	60	ug/L	500		8260B	Total/NA
1,1-Dichloroethane	5300		500	55	ug/L	500		8260B	Total/NA
1,1-Dichloroethene	8300		500	95	ug/L	500		8260B	Total/NA
trans-1,2-Dichloroethene	8700		500	45	ug/L	500		8260B	Total/NA
Ethylbenzene	890		500	55	ug/L	500		8260B	Total/NA
Tetrachloroethene	550		500	65	ug/L	500		8260B	Total/NA
Toluene	270	J	500	75	ug/L	500		8260B	Total/NA
Trichloroethene	1900		500	90	ug/L	500		8260B	Total/NA
m-Xylene & p-Xylene	950		500	85	ug/L	500		8260B	Total/NA
Xylenes, Total	950		500	130	ug/L	500		8260B	Total/NA
cis-1,2-Dichloroethene	4300		500	30	ug/L	500		8260B	Total/NA
1,2-Dichloroethene, Total	13000		500	150	ug/L	500		8260B	Total/NA
1,2-Dichloroethane - DL	91000		10000	1400	ug/L	10000		8260B	Total/NA
Vinyl chloride - DL	180000		20000	1100	ug/L	10000		8260B	Total/NA

Client Sample Results

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-50264-1

Client Sample ID: MW-71-PRE24-2

Lab Sample ID: 600-50264-1

Date Collected: 02/08/12 09:50

Matrix: Water

Date Received: 02/09/12 14:52

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**3800**		250	50	ug/L			02/11/12 14:29	50
Chlorobromomethane	9.0	U	50	9.0	ug/L			02/11/12 14:29	50
Bromoform	9.5	U	50	9.5	ug/L			02/11/12 14:29	50
Bromomethane	13	U	100	13	ug/L			02/11/12 14:29	50
2-Butanone (MEK)	38	U	100	38	ug/L			02/11/12 14:29	50
Carbon disulfide	12	U	100	12	ug/L			02/11/12 14:29	50
Carbon tetrachloride	7.5	U	50	7.5	ug/L			02/11/12 14:29	50
Dibromochloromethane	7.5	U	50	7.5	ug/L			02/11/12 14:29	50
Chlorobenzene	**130**		50	6.0	ug/L			02/11/12 14:29	50
Chloroethane	4.0	U	100	4.0	ug/L			02/11/12 14:29	50
Chloroform	6.5	U	50	6.5	ug/L			02/11/12 14:29	50
Chloromethane	9.0	U	100	9.0	ug/L			02/11/12 14:29	50
1,1-Dichloroethane	**960**		50	5.5	ug/L			02/11/12 14:29	50
1,1-Dichloroethene	**630**		50	9.5	ug/L			02/11/12 14:29	50
trans-1,2-Dichloroethene	**1400**		50	4.5	ug/L			02/11/12 14:29	50
1,2-Dichloropropane	8.0	U	50	8.0	ug/L			02/11/12 14:29	50
cis-1,3-Dichloropropene	9.0	U	50	9.0	ug/L			02/11/12 14:29	50
trans-1,3-Dichloropropene	11	U	50	11	ug/L			02/11/12 14:29	50
Ethylbenzene	**740**		50	5.5	ug/L			02/11/12 14:29	50
2-Hexanone	18	U	100	18	ug/L			02/11/12 14:29	50
Methylene Chloride	**82**	**J**	250	7.5	ug/L			02/11/12 14:29	50
4-Methyl-2-pentanone (MIBK)	23	U	100	23	ug/L			02/11/12 14:29	50
Styrene	3.5	U	50	3.5	ug/L			02/11/12 14:29	50
1,1,2,2-Tetrachloroethane	11	U	50	11	ug/L			02/11/12 14:29	50
Tetrachloroethene	**30**	**J**	50	6.5	ug/L			02/11/12 14:29	50
Toluene	**110**		50	7.5	ug/L			02/11/12 14:29	50
1,1,1-Trichloroethane	7.5	U	50	7.5	ug/L			02/11/12 14:29	50
Trichloroethene	**130**		50	9.0	ug/L			02/11/12 14:29	50
Vinyl acetate	11	U	100	11	ug/L			02/11/12 14:29	50
o-Xylene	**12**	**J**	50	6.0	ug/L			02/11/12 14:29	50
m-Xylene & p-Xylene	**19**	**J**	50	8.5	ug/L			02/11/12 14:29	50
Xylenes, Total	**31**	**J**	50	13	ug/L			02/11/12 14:29	50
cis-1,2-Dichloroethene	**770**		50	3.0	ug/L			02/11/12 14:29	50
Bromodichloromethane	8.0	U	50	8.0	ug/L			02/11/12 14:29	50
1,2-Dichloroethene, Total	**2200**		50	15	ug/L			02/11/12 14:29	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*70 - 130*		*02/11/12 14:29*	*50*
Dibromofluoromethane	*91*		*62 - 130*		*02/11/12 14:29*	*50*
4-Bromofluorobenzene	*76*		*67 - 139*		*02/11/12 14:29*	*50*
1,2-Dichloroethane-d4 (Surr)	*84*		*50 - 134*		*02/11/12 14:29*	*50*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**3900**		2000	160	ug/L			02/16/12 12:27	2000
1,2-Dichloroethane	**85000**		2000	280	ug/L			02/16/12 12:27	2000
1,1,2-Trichloroethane	**10000**		2000	560	ug/L			02/16/12 12:27	2000
Vinyl chloride	**35000**		4000	220	ug/L			02/16/12 12:27	2000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*88*		*70 - 130*		*02/16/12 12:27*	*2000*

Client Sample ID: MW-71-PRE24-2

Lab Sample ID: 600-50264-1

Date Collected: 02/08/12 09:50

Matrix: Water

Date Received: 02/09/12 14:52

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	*80*		*62 - 130*		*02/16/12 12:27*	*2000*
4-Bromofluorobenzene	*90*		*67 - 139*		*02/16/12 12:27*	*2000*
1,2-Dichloroethane-d4 (Surr)	*82*		*50 - 134*		*02/16/12 12:27*	*2000*

Client Sample ID: MW-65-PRE24-2

Lab Sample ID: 600-50264-2

Date Collected: 02/08/12 10:05

Matrix: Water

Date Received: 02/09/12 14:52

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	50	U	250	50	ug/L			02/11/12 14:55	50
Chlorobromomethane	9.0	U	50	9.0	ug/L			02/11/12 14:55	50
Bromoform	9.5	U	50	9.5	ug/L			02/11/12 14:55	50
Bromomethane	13	U	100	13	ug/L			02/11/12 14:55	50
2-Butanone (MEK)	38	U	100	38	ug/L			02/11/12 14:55	50
Carbon disulfide	12	U	100	12	ug/L			02/11/12 14:55	50
Carbon tetrachloride	7.5	U	50	7.5	ug/L			02/11/12 14:55	50
Dibromochloromethane	7.5	U	50	7.5	ug/L			02/11/12 14:55	50
Chlorobenzene	**1600**		50	6.0	ug/L			02/11/12 14:55	50
Chloroethane	4.0	U	100	4.0	ug/L			02/11/12 14:55	50
Chloroform	**73**		50	6.5	ug/L			02/11/12 14:55	50
Chloromethane	9.0	U	100	9.0	ug/L			02/11/12 14:55	50
1,2-Dichloroethane	7.0	U	50	7.0	ug/L			02/11/12 14:55	50
1,2-Dichloropropane	8.0	U	50	8.0	ug/L			02/11/12 14:55	50
cis-1,3-Dichloropropene	9.0	U	50	9.0	ug/L			02/11/12 14:55	50
trans-1,3-Dichloropropene	11	U	50	11	ug/L			02/11/12 14:55	50
Ethylbenzene	**1200**		50	5.5	ug/L			02/11/12 14:55	50
2-Hexanone	18	U	100	18	ug/L			02/11/12 14:55	50
Methylene Chloride	7.5	U	250	7.5	ug/L			02/11/12 14:55	50
4-Methyl-2-pentanone (MIBK)	23	U	100	23	ug/L			02/11/12 14:55	50
Styrene	**48**	**J**	50	3.5	ug/L			02/11/12 14:55	50
1,1,2,2-Tetrachloroethane	11	U	50	11	ug/L			02/11/12 14:55	50
Tetrachloroethene	**270**		50	6.5	ug/L			02/11/12 14:55	50
Toluene	**320**		50	7.5	ug/L			02/11/12 14:55	50
1,1,1-Trichloroethane	7.5	U	50	7.5	ug/L			02/11/12 14:55	50
1,1,2-Trichloroethane	**50**		50	14	ug/L			02/11/12 14:55	50
Trichloroethene	**1100**		50	9.0	ug/L			02/11/12 14:55	50
Vinyl acetate	11	U	100	11	ug/L			02/11/12 14:55	50
o-Xylene	**36**	**J**	50	6.0	ug/L			02/11/12 14:55	50
m-Xylene & p-Xylene	**69**		50	8.5	ug/L			02/11/12 14:55	50
Xylenes, Total	**110**		50	13	ug/L			02/11/12 14:55	50
Bromodichloromethane	8.0	U	50	8.0	ug/L			02/11/12 14:55	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*100*		*70 - 130*		*02/11/12 14:55*	*50*
Dibromofluoromethane	*98*		*62 - 130*		*02/11/12 14:55*	*50*
4-Bromofluorobenzene	*86*		*67 - 139*		*02/11/12 14:55*	*50*
1,2-Dichloroethane-d4 (Surr)	*104*		*50 - 134*		*02/11/12 14:55*	*50*

Client Sample ID: MW-65-PRE24-2

Lab Sample ID: 600-50264-2

Date Collected: 02/08/12 10:05

Matrix: Water

Date Received: 02/09/12 14:52

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**4900**		500	40	ug/L			02/14/12 19:08	500
1,1-Dichloroethane	**3700**		500	55	ug/L			02/14/12 19:08	500
1,1-Dichloroethene	**3400**		500	95	ug/L			02/14/12 19:08	500
trans-1,2-Dichloroethene	**6700**		500	45	ug/L			02/14/12 19:08	500
cis-1,2-Dichloroethene	**1700**		500	30	ug/L			02/14/12 19:08	500
1,2-Dichloroethene, Total	**8400**		500	150	ug/L			02/14/12 19:08	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*70 - 130*		*02/14/12 19:08*	*500*
Dibromofluoromethane	*94*		*62 - 130*		*02/14/12 19:08*	*500*
4-Bromofluorobenzene	*94*		*67 - 139*		*02/14/12 19:08*	*500*
1,2-Dichloroethane-d4 (Surr)	*100*		*50 - 134*		*02/14/12 19:08*	*500*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**190000**		40000	2200	ug/L			02/14/12 20:04	20000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*70 - 130*		*02/14/12 20:04*	*20000*
Dibromofluoromethane	*95*		*62 - 130*		*02/14/12 20:04*	*20000*
4-Bromofluorobenzene	*93*		*67 - 139*		*02/14/12 20:04*	*20000*
1,2-Dichloroethane-d4 (Surr)	*100*		*50 - 134*		*02/14/12 20:04*	*20000*

Client Sample ID: MW-71-24-2

Lab Sample ID: 600-50264-3

Date Collected: 02/08/12 10:55

Matrix: Water

Date Received: 02/09/12 14:52

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**3100**		250	50	ug/L			02/11/12 15:21	50
Chlorobromomethane	9.0	U	50	9.0	ug/L			02/11/12 15:21	50
Bromoform	9.5	U	50	9.5	ug/L			02/11/12 15:21	50
Bromomethane	13	U	100	13	ug/L			02/11/12 15:21	50
2-Butanone (MEK)	38	U	100	38	ug/L			02/11/12 15:21	50
Carbon disulfide	12	U	100	12	ug/L			02/11/12 15:21	50
Carbon tetrachloride	7.5	U	50	7.5	ug/L			02/11/12 15:21	50
Dibromochloromethane	7.5	U	50	7.5	ug/L			02/11/12 15:21	50
Chlorobenzene	**160**		50	6.0	ug/L			02/11/12 15:21	50
Chloroethane	4.0	U	100	4.0	ug/L			02/11/12 15:21	50
Chloroform	6.5	U	50	6.5	ug/L			02/11/12 15:21	50
Chloromethane	9.0	U	100	9.0	ug/L			02/11/12 15:21	50
1,1-Dichloroethane	**930**		50	5.5	ug/L			02/11/12 15:21	50
1,1-Dichloroethene	**450**		50	9.5	ug/L			02/11/12 15:21	50
trans-1,2-Dichloroethene	**1200**		50	4.5	ug/L			02/11/12 15:21	50
1,2-Dichloropropane	8.0	U	50	8.0	ug/L			02/11/12 15:21	50
cis-1,3-Dichloropropene	9.0	U	50	9.0	ug/L			02/11/12 15:21	50
trans-1,3-Dichloropropene	11	U	50	11	ug/L			02/11/12 15:21	50
Ethylbenzene	**780**		50	5.5	ug/L			02/11/12 15:21	50
2-Hexanone	18	U	100	18	ug/L			02/11/12 15:21	50
Methylene Chloride	**44**	**J**	250	7.5	ug/L			02/11/12 15:21	50
4-Methyl-2-pentanone (MIBK)	23	U	100	23	ug/L			02/11/12 15:21	50
Styrene	3.5	U	50	3.5	ug/L			02/11/12 15:21	50

Client Sample ID: MW-71-24-2

Lab Sample ID: 600-50264-3

Date Collected: 02/08/12 10:55

Matrix: Water

Date Received: 02/09/12 14:52

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	11	U	50	11	ug/L			02/11/12 15:21	50
Tetrachloroethene	**27**	**J**	50	6.5	ug/L			02/11/12 15:21	50
Toluene	**120**		50	7.5	ug/L			02/11/12 15:21	50
1,1,1-Trichloroethane	7.5	U	50	7.5	ug/L			02/11/12 15:21	50
Trichloroethene	**130**		50	9.0	ug/L			02/11/12 15:21	50
Vinyl acetate	11	U	100	11	ug/L			02/11/12 15:21	50
o-Xylene	**8.5**	**J**	50	6.0	ug/L			02/11/12 15:21	50
m-Xylene & p-Xylene	**33**	**J**	50	8.5	ug/L			02/11/12 15:21	50
Xylenes, Total	**42**	**J**	50	13	ug/L			02/11/12 15:21	50
cis-1,2-Dichloroethene	**660**		50	3.0	ug/L			02/11/12 15:21	50
Bromodichloromethane	8.0	U	50	8.0	ug/L			02/11/12 15:21	50
1,2-Dichloroethene, Total	**1900**		50	15	ug/L			02/11/12 15:21	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*70 - 130*		*02/11/12 15:21*	*50*
Dibromofluoromethane	*99*		*62 - 130*		*02/11/12 15:21*	*50*
4-Bromofluorobenzene	*82*		*67 - 139*		*02/11/12 15:21*	*50*
1,2-Dichloroethane-d4 (Surr)	*55*		*50 - 134*		*02/11/12 15:21*	*50*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**4400**		1000	80	ug/L			02/14/12 19:36	1000
1,2-Dichloroethane	**62000**		5000	700	ug/L			02/15/12 14:44	5000
1,1,2-Trichloroethane	**7900**		1000	280	ug/L			02/14/12 19:36	1000
Vinyl chloride	**39000**		2000	110	ug/L			02/14/12 19:36	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*70 - 130*		*02/14/12 19:36*	*1000*
Toluene-d8 (Surr)	*96*		*70 - 130*		*02/15/12 14:44*	*5000*
Dibromofluoromethane	*94*		*62 - 130*		*02/14/12 19:36*	*1000*
Dibromofluoromethane	*81*		*62 - 130*		*02/15/12 14:44*	*5000*
4-Bromofluorobenzene	*93*		*67 - 139*		*02/14/12 19:36*	*1000*
4-Bromofluorobenzene	*88*		*67 - 139*		*02/15/12 14:44*	*5000*
1,2-Dichloroethane-d4 (Surr)	*97*		*50 - 134*		*02/14/12 19:36*	*1000*
1,2-Dichloroethane-d4 (Surr)	*87*		*50 - 134*		*02/15/12 14:44*	*5000*

Client Sample ID: MW-65-24-2

Lab Sample ID: 600-50264-4

Date Collected: 02/08/12 11:10

Matrix: Water

Date Received: 02/09/12 14:52

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	50	U	250	50	ug/L			02/11/12 15:47	50
Chlorobromomethane	9.0	U	50	9.0	ug/L			02/11/12 15:47	50
Bromoform	9.5	U	50	9.5	ug/L			02/11/12 15:47	50
Bromomethane	13	U	100	13	ug/L			02/11/12 15:47	50
2-Butanone (MEK)	38	U	100	38	ug/L			02/11/12 15:47	50
Carbon disulfide	**30**	**J**	100	12	ug/L			02/11/12 15:47	50
Carbon tetrachloride	7.5	U	50	7.5	ug/L			02/11/12 15:47	50
Dibromochloromethane	7.5	U	50	7.5	ug/L			02/11/12 15:47	50
Chlorobenzene	**1700**		50	6.0	ug/L			02/11/12 15:47	50
Chloroethane	4.0	U	100	4.0	ug/L			02/11/12 15:47	50

Client Sample ID: MW-65-24-2

Date Collected: 02/08/12 11:10
Date Received: 02/09/12 14:52

Lab Sample ID: 600-50264-4

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	6.5	U	50	6.5	ug/L			02/11/12 15:47	50
Chloromethane	9.0	U	100	9.0	ug/L			02/11/12 15:47	50
1,2-Dichloroethane	**780**		50	7.0	ug/L			02/11/12 15:47	50
1,1-Dichloroethene	**2000**		50	9.5	ug/L			02/11/12 15:47	50
1,2-Dichloropropane	8.0	U	50	8.0	ug/L			02/11/12 15:47	50
cis-1,3-Dichloropropene	9.0	U	50	9.0	ug/L			02/11/12 15:47	50
trans-1,3-Dichloropropene	11	U	50	11	ug/L			02/11/12 15:47	50
Ethylbenzene	**1500**		50	5.5	ug/L			02/11/12 15:47	50
2-Hexanone	18	U	100	18	ug/L			02/11/12 15:47	50
Methylene Chloride	7.5	U	250	7.5	ug/L			02/11/12 15:47	50
4-Methyl-2-pentanone (MIBK)	23	U	100	23	ug/L			02/11/12 15:47	50
Styrene	**51**		50	3.5	ug/L			02/11/12 15:47	50
1,1,2,2-Tetrachloroethane	11	U	50	11	ug/L			02/11/12 15:47	50
Tetrachloroethene	**280**		50	6.5	ug/L			02/11/12 15:47	50
Toluene	**340**		50	7.5	ug/L			02/11/12 15:47	50
1,1,1-Trichloroethane	7.5	U	50	7.5	ug/L			02/11/12 15:47	50
1,1,2-Trichloroethane	14	U	50	14	ug/L			02/11/12 15:47	50
Trichloroethene	**700**		50	9.0	ug/L			02/11/12 15:47	50
Vinyl acetate	11	U	100	11	ug/L			02/11/12 15:47	50
o-Xylene	**42**	**J**	50	6.0	ug/L			02/11/12 15:47	50
m-Xylene & p-Xylene	**92**		50	8.5	ug/L			02/11/12 15:47	50
Xylenes, Total	**130**		50	13	ug/L			02/11/12 15:47	50
Bromodichloromethane	8.0	U	50	8.0	ug/L			02/11/12 15:47	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*70 - 130*		*02/11/12 15:47*	*50*
Dibromofluoromethane	*91*		*62 - 130*		*02/11/12 15:47*	*50*
4-Bromofluorobenzene	*80*		*67 - 139*		*02/11/12 15:47*	*50*
1,2-Dichloroethane-d4 (Surr)	*109*		*50 - 134*		*02/11/12 15:47*	*50*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**4800**		1000	80	ug/L			02/15/12 16:09	1000
1,1-Dichloroethane	**3800**		1000	110	ug/L			02/15/12 16:09	1000
trans-1,2-Dichloroethene	**6400**		1000	90	ug/L			02/15/12 16:09	1000
cis-1,2-Dichloroethene	**1000**		1000	60	ug/L			02/15/12 16:09	1000
1,2-Dichloroethene, Total	**7400**		1000	300	ug/L			02/15/12 16:09	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*70 - 130*		*02/15/12 16:09*	*1000*
Dibromofluoromethane	*80*		*62 - 130*		*02/15/12 16:09*	*1000*
4-Bromofluorobenzene	*89*		*67 - 139*		*02/15/12 16:09*	*1000*
1,2-Dichloroethane-d4 (Surr)	*88*		*50 - 134*		*02/15/12 16:09*	*1000*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**170000**		20000	1100	ug/L			02/15/12 18:59	10000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*70 - 130*		*02/15/12 18:59*	*10000*
Dibromofluoromethane	*80*		*62 - 130*		*02/15/12 18:59*	*10000*
4-Bromofluorobenzene	*89*		*67 - 139*		*02/15/12 18:59*	*10000*

Client Sample ID: MW-65-24-2

Lab Sample ID: 600-50264-4

Date Collected: 02/08/12 11:10

Matrix: Water

Date Received: 02/09/12 14:52

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2 (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*88*		*50 - 134*		*02/15/12 18:59*	*10000*

Client Sample ID: MW-8-Pre24-2

Lab Sample ID: 600-50264-5

Date Collected: 02/08/12 12:55

Matrix: Water

Date Received: 02/09/12 14:52

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**95**		50	9.9	ug/L			02/14/12 17:11	10
Benzene	**410**		10	0.80	ug/L			02/14/12 17:11	10
Chlorobromomethane	1.8	U	10	1.8	ug/L			02/14/12 17:11	10
Bromoform	1.9	U	10	1.9	ug/L			02/14/12 17:11	10
Bromomethane	2.5	U	20	2.5	ug/L			02/14/12 17:11	10
2-Butanone (MEK)	**190**		20	7.6	ug/L			02/14/12 17:11	10
Carbon disulfide	**5.7**	**J**	20	2.4	ug/L			02/14/12 17:11	10
Carbon tetrachloride	1.5	U	10	1.5	ug/L			02/14/12 17:11	10
Dibromochloromethane	1.5	U	10	1.5	ug/L			02/14/12 17:11	10
Chlorobenzene	**120**	**B**	10	1.2	ug/L			02/14/12 17:11	10
Chloroethane	0.80	U	20	0.80	ug/L			02/14/12 17:11	10
Chloroform	**1.4**	**J**	10	1.3	ug/L			02/14/12 17:11	10
Chloromethane	1.8	U	20	1.8	ug/L			02/14/12 17:11	10
1,1-Dichloroethane	**220**		10	1.1	ug/L			02/14/12 17:11	10
1,2-Dichloroethane	**67**		10	1.4	ug/L			02/14/12 17:11	10
1,1-Dichloroethene	**11**		10	1.9	ug/L			02/14/12 17:11	10
trans-1,2-Dichloroethene	**97**		10	0.90	ug/L			02/14/12 17:11	10
1,2-Dichloropropane	1.6	U	10	1.6	ug/L			02/14/12 17:11	10
cis-1,3-Dichloropropene	1.8	U	10	1.8	ug/L			02/14/12 17:11	10
trans-1,3-Dichloropropene	2.1	U	10	2.1	ug/L			02/14/12 17:11	10
Ethylbenzene	**320**		10	1.1	ug/L			02/14/12 17:11	10
2-Hexanone	3.5	U	20	3.5	ug/L			02/14/12 17:11	10
Methylene Chloride	**1.5**	**J**	50	1.5	ug/L			02/14/12 17:11	10
4-Methyl-2-pentanone (MIBK)	4.5	U	20	4.5	ug/L			02/14/12 17:11	10
Styrene	**10**		10	0.70	ug/L			02/14/12 17:11	10
1,1,2,2-Tetrachloroethane	2.2	U	10	2.2	ug/L			02/14/12 17:11	10
Tetrachloroethene	1.3	U	10	1.3	ug/L			02/14/12 17:11	10
Toluene	**43**		10	1.5	ug/L			02/14/12 17:11	10
1,1,1-Trichloroethane	1.5	U	10	1.5	ug/L			02/14/12 17:11	10
1,1,2-Trichloroethane	2.8	U	10	2.8	ug/L			02/14/12 17:11	10
Trichloroethene	**12**	**B**	10	1.8	ug/L			02/14/12 17:11	10
Vinyl acetate	2.1	U	20	2.1	ug/L			02/14/12 17:11	10
Vinyl chloride	**390**		20	1.1	ug/L			02/14/12 17:11	10
o-Xylene	**6.2**	**J**	10	1.2	ug/L			02/14/12 17:11	10
m-Xylene & p-Xylene	**21**		10	1.7	ug/L			02/14/12 17:11	10
Xylenes, Total	**27**		10	2.6	ug/L			02/14/12 17:11	10
cis-1,2-Dichloroethene	**13**		10	0.60	ug/L			02/14/12 17:11	10
Bromodichloromethane	1.6	U	10	1.6	ug/L			02/14/12 17:11	10
1,2-Dichloroethene, Total	**110**		10	3.0	ug/L			02/14/12 17:11	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*101*		*70 - 130*		*02/14/12 17:11*	*10*
Dibromofluoromethane	*97*		*62 - 130*		*02/14/12 17:11*	*10*

Client Sample ID: MW-8-Pre24-2

Lab Sample ID: 600-50264-5

Date Collected: 02/08/12 12:55

Matrix: Water

Date Received: 02/09/12 14:52

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	*94*		*67 - 139*		*02/14/12 17:11*	*10*
1,2-Dichloroethane-d4 (Surr)	*98*		*50 - 134*		*02/14/12 17:11*	*10*

Client Sample ID: MW-11-Pre24-2

Lab Sample ID: 600-50264-6

Date Collected: 02/08/12 13:10

Matrix: Water

Date Received: 02/09/12 14:52

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	50	U	250	50	ug/L			02/11/12 16:40	50
Benzene	**140**		50	4.0	ug/L			02/11/12 16:40	50
Chlorobromomethane	9.0	U	50	9.0	ug/L			02/11/12 16:40	50
Bromoform	9.5	U	50	9.5	ug/L			02/11/12 16:40	50
Bromomethane	13	U	100	13	ug/L			02/11/12 16:40	50
2-Butanone (MEK)	38	U	100	38	ug/L			02/11/12 16:40	50
Carbon disulfide	12	U	100	12	ug/L			02/11/12 16:40	50
Carbon tetrachloride	7.5	U	50	7.5	ug/L			02/11/12 16:40	50
Dibromochloromethane	7.5	U	50	7.5	ug/L			02/11/12 16:40	50
Chlorobenzene	**260**		50	6.0	ug/L			02/11/12 16:40	50
Chloroethane	4.0	U	100	4.0	ug/L			02/11/12 16:40	50
Chloroform	6.5	U	50	6.5	ug/L			02/11/12 16:40	50
Chloromethane	9.0	U	100	9.0	ug/L			02/11/12 16:40	50
1,1-Dichloroethane	**1000**		50	5.5	ug/L			02/11/12 16:40	50
1,2-Dichloroethane	**640**		50	7.0	ug/L			02/11/12 16:40	50
1,1-Dichloroethene	**260**		50	9.5	ug/L			02/11/12 16:40	50
trans-1,2-Dichloroethene	**1200**		50	4.5	ug/L			02/11/12 16:40	50
1,2-Dichloropropane	8.0	U	50	8.0	ug/L			02/11/12 16:40	50
cis-1,3-Dichloropropene	9.0	U	50	9.0	ug/L			02/11/12 16:40	50
trans-1,3-Dichloropropene	11	U	50	11	ug/L			02/11/12 16:40	50
Ethylbenzene	**31**	**J**	50	5.5	ug/L			02/11/12 16:40	50
2-Hexanone	18	U	100	18	ug/L			02/11/12 16:40	50
Methylene Chloride	7.5	U	250	7.5	ug/L			02/11/12 16:40	50
4-Methyl-2-pentanone (MIBK)	23	U	100	23	ug/L			02/11/12 16:40	50
Styrene	3.5	U	50	3.5	ug/L			02/11/12 16:40	50
1,1,2,2-Tetrachloroethane	11	U	50	11	ug/L			02/11/12 16:40	50
Tetrachloroethene	6.5	U	50	6.5	ug/L			02/11/12 16:40	50
Toluene	**11**	**J**	50	7.5	ug/L			02/11/12 16:40	50
1,1,1-Trichloroethane	7.5	U	50	7.5	ug/L			02/11/12 16:40	50
1,1,2-Trichloroethane	14	U	50	14	ug/L			02/11/12 16:40	50
Trichloroethene	**330**		50	9.0	ug/L			02/11/12 16:40	50
Vinyl acetate	11	U	100	11	ug/L			02/11/12 16:40	50
o-Xylene	6.0	U	50	6.0	ug/L			02/11/12 16:40	50
m-Xylene & p-Xylene	**25**	**J**	50	8.5	ug/L			02/11/12 16:40	50
Xylenes, Total	**25**	**J**	50	13	ug/L			02/11/12 16:40	50
cis-1,2-Dichloroethene	**2200**		50	3.0	ug/L			02/11/12 16:40	50
Bromodichloromethane	8.0	U	50	8.0	ug/L			02/11/12 16:40	50
1,2-Dichloroethene, Total	**3400**		50	15	ug/L			02/11/12 16:40	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*97*		*70 - 130*		*02/11/12 16:40*	*50*
Dibromofluoromethane	*62*		*62 - 130*		*02/11/12 16:40*	*50*

Client Sample ID: MW-11-Pre24-2

Lab Sample ID: 600-50264-6

Date Collected: 02/08/12 13:10

Matrix: Water

Date Received: 02/09/12 14:52

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*79*		*67 - 139*		*02/11/12 16:40*	*50*
1,2-Dichloroethane-d4 (Surr)	*102*		*50 - 134*		*02/11/12 16:40*	*50*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**14000**		2000	110	ug/L			02/16/12 13:24	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*91*		*70 - 130*		*02/16/12 13:24*	*1000*
Dibromofluoromethane	*76*		*62 - 130*		*02/16/12 13:24*	*1000*
4-Bromofluorobenzene	*91*		*67 - 139*		*02/16/12 13:24*	*1000*
1,2-Dichloroethane-d4 (Surr)	*82*		*50 - 134*		*02/16/12 13:24*	*1000*

Client Sample ID: MW-8-24-2

Lab Sample ID: 600-50264-7

Date Collected: 02/08/12 14:00

Matrix: Water

Date Received: 02/09/12 14:52

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**18**	**J**	25	5.0	ug/L			02/14/12 17:39	5
Benzene	**210**		5.0	0.40	ug/L			02/14/12 17:39	5
Chlorobromomethane	0.90	U	5.0	0.90	ug/L			02/14/12 17:39	5
Bromoform	0.95	U	5.0	0.95	ug/L			02/14/12 17:39	5
Bromomethane	1.3	U	10	1.3	ug/L			02/14/12 17:39	5
2-Butanone (MEK)	**35**		10	3.8	ug/L			02/14/12 17:39	5
Carbon disulfide	**1.6**	**J**	10	1.2	ug/L			02/14/12 17:39	5
Carbon tetrachloride	0.75	U	5.0	0.75	ug/L			02/14/12 17:39	5
Dibromochloromethane	0.75	U	5.0	0.75	ug/L			02/14/12 17:39	5
Chlorobenzene	**47**	**B**	5.0	0.60	ug/L			02/14/12 17:39	5
Chloroethane	0.40	U	10	0.40	ug/L			02/14/12 17:39	5
Chloroform	0.65	U	5.0	0.65	ug/L			02/14/12 17:39	5
Chloromethane	0.90	U	10	0.90	ug/L			02/14/12 17:39	5
1,1-Dichloroethane	**82**		5.0	0.55	ug/L			02/14/12 17:39	5
1,2-Dichloroethane	**24**		5.0	0.70	ug/L			02/14/12 17:39	5
1,1-Dichloroethene	**2.8**	**J**	5.0	0.95	ug/L			02/14/12 17:39	5
trans-1,2-Dichloroethene	**46**		5.0	0.45	ug/L			02/14/12 17:39	5
1,2-Dichloropropane	0.80	U	5.0	0.80	ug/L			02/14/12 17:39	5
cis-1,3-Dichloropropene	0.90	U	5.0	0.90	ug/L			02/14/12 17:39	5
trans-1,3-Dichloropropene	1.1	U	5.0	1.1	ug/L			02/14/12 17:39	5
2-Hexanone	1.8	U	10	1.8	ug/L			02/14/12 17:39	5
Methylene Chloride	0.75	U	25	0.75	ug/L			02/14/12 17:39	5
4-Methyl-2-pentanone (MIBK)	2.3	U	10	2.3	ug/L			02/14/12 17:39	5
Styrene	**5.1**		5.0	0.35	ug/L			02/14/12 17:39	5
1,1,2,2-Tetrachloroethane	1.1	U	5.0	1.1	ug/L			02/14/12 17:39	5
Tetrachloroethene	0.65	U	5.0	0.65	ug/L			02/14/12 17:39	5
Toluene	**26**		5.0	0.75	ug/L			02/14/12 17:39	5
1,1,1-Trichloroethane	0.75	U	5.0	0.75	ug/L			02/14/12 17:39	5
1,1,2-Trichloroethane	1.4	U	5.0	1.4	ug/L			02/14/12 17:39	5
Trichloroethene	**2.8**	**J B**	5.0	0.90	ug/L			02/14/12 17:39	5
Vinyl acetate	1.1	U	10	1.1	ug/L			02/14/12 17:39	5
Vinyl chloride	**230**		10	0.55	ug/L			02/14/12 17:39	5

Client Sample ID: MW-8-24-2

Lab Sample ID: 600-50264-7

Date Collected: 02/08/12 14:00

Matrix: Water

Date Received: 02/09/12 14:52

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	**3.8**	**J**	5.0	0.60	ug/L			02/14/12 17:39	5
m-Xylene & p-Xylene	**11**		5.0	0.85	ug/L			02/14/12 17:39	5
Xylenes, Total	**15**		5.0	1.3	ug/L			02/14/12 17:39	5
cis-1,2-Dichloroethene	**2.9**	**J**	5.0	0.30	ug/L			02/14/12 17:39	5
Bromodichloromethane	0.80	U	5.0	0.80	ug/L			02/14/12 17:39	5
1,2-Dichloroethene, Total	**49**		5.0	1.5	ug/L			02/14/12 17:39	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*70 - 130*		*02/14/12 17:39*	*5*
Dibromofluoromethane	*96*		*62 - 130*		*02/14/12 17:39*	*5*
4-Bromofluorobenzene	*93*		*67 - 139*		*02/14/12 17:39*	*5*
1,2-Dichloroethane-d4 (Surr)	*98*		*50 - 134*		*02/14/12 17:39*	*5*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	**160**		20	2.2	ug/L			02/16/12 11:59	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*90*		*70 - 130*		*02/16/12 11:59*	*20*
Dibromofluoromethane	*76*		*62 - 130*		*02/16/12 11:59*	*20*
4-Bromofluorobenzene	*93*		*67 - 139*		*02/16/12 11:59*	*20*
1,2-Dichloroethane-d4 (Surr)	*82*		*50 - 134*		*02/16/12 11:59*	*20*

Client Sample ID: MW-11-24-2

Lab Sample ID: 600-50264-8

Date Collected: 02/08/12 14:10

Matrix: Water

Date Received: 02/09/12 14:52

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	50	U	250	50	ug/L			02/11/12 17:32	50
Benzene	**120**		50	4.0	ug/L			02/11/12 17:32	50
Chlorobromomethane	9.0	U	50	9.0	ug/L			02/11/12 17:32	50
Bromoform	9.5	U	50	9.5	ug/L			02/11/12 17:32	50
Bromomethane	13	U	100	13	ug/L			02/11/12 17:32	50
2-Butanone (MEK)	38	U	100	38	ug/L			02/11/12 17:32	50
Carbon disulfide	12	U	100	12	ug/L			02/11/12 17:32	50
Carbon tetrachloride	7.5	U	50	7.5	ug/L			02/11/12 17:32	50
Dibromochloromethane	7.5	U	50	7.5	ug/L			02/11/12 17:32	50
Chlorobenzene	**290**		50	6.0	ug/L			02/11/12 17:32	50
Chloroethane	4.0	U	100	4.0	ug/L			02/11/12 17:32	50
Chloroform	6.5	U	50	6.5	ug/L			02/11/12 17:32	50
Chloromethane	9.0	U	100	9.0	ug/L			02/11/12 17:32	50
1,1-Dichloroethane	**930**		50	5.5	ug/L			02/11/12 17:32	50
1,2-Dichloroethane	**530**		50	7.0	ug/L			02/11/12 17:32	50
1,1-Dichloroethene	**270**		50	9.5	ug/L			02/11/12 17:32	50
trans-1,2-Dichloroethene	**1200**		50	4.5	ug/L			02/11/12 17:32	50
1,2-Dichloropropane	8.0	U	50	8.0	ug/L			02/11/12 17:32	50
cis-1,3-Dichloropropene	9.0	U	50	9.0	ug/L			02/11/12 17:32	50
trans-1,3-Dichloropropene	11	U	50	11	ug/L			02/11/12 17:32	50
Ethylbenzene	**29**	**J**	50	5.5	ug/L			02/11/12 17:32	50
2-Hexanone	18	U	100	18	ug/L			02/11/12 17:32	50
Methylene Chloride	7.5	U	250	7.5	ug/L			02/11/12 17:32	50

Client Sample ID: MW-11-24-2

Lab Sample ID: 600-50264-8

Date Collected: 02/08/12 14:10

Matrix: Water

Date Received: 02/09/12 14:52

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	23	U	100	23	ug/L			02/11/12 17:32	50
Styrene	3.5	U	50	3.5	ug/L			02/11/12 17:32	50
1,1,2,2-Tetrachloroethane	11	U	50	11	ug/L			02/11/12 17:32	50
Tetrachloroethene	6.5	U	50	6.5	ug/L			02/11/12 17:32	50
Toluene	**12**	**J**	50	7.5	ug/L			02/11/12 17:32	50
1,1,1-Trichloroethane	7.5	U	50	7.5	ug/L			02/11/12 17:32	50
1,1,2-Trichloroethane	14	U	50	14	ug/L			02/11/12 17:32	50
Trichloroethene	**370**		50	9.0	ug/L			02/11/12 17:32	50
Vinyl acetate	11	U	100	11	ug/L			02/11/12 17:32	50
o-Xylene	6.0	U	50	6.0	ug/L			02/11/12 17:32	50
m-Xylene & p-Xylene	**24**	**J**	50	8.5	ug/L			02/11/12 17:32	50
Xylenes, Total	**24**	**J**	50	13	ug/L			02/11/12 17:32	50
cis-1,2-Dichloroethene	**2300**		50	3.0	ug/L			02/11/12 17:32	50
Bromodichloromethane	8.0	U	50	8.0	ug/L			02/11/12 17:32	50
1,2-Dichloroethene, Total	**3500**		50	15	ug/L			02/11/12 17:32	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*70 - 130*		*02/11/12 17:32*	*50*
Dibromofluoromethane	*96*		*62 - 130*		*02/11/12 17:32*	*50*
4-Bromofluorobenzene	*82*		*67 - 139*		*02/11/12 17:32*	*50*
1,2-Dichloroethane-d4 (Surr)	*107*		*50 - 134*		*02/11/12 17:32*	*50*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**13000**		2000	110	ug/L			02/16/12 13:52	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*88*		*70 - 130*		*02/16/12 13:52*	*1000*
Dibromofluoromethane	*78*		*62 - 130*		*02/16/12 13:52*	*1000*
4-Bromofluorobenzene	*90*		*67 - 139*		*02/16/12 13:52*	*1000*
1,2-Dichloroethane-d4 (Surr)	*83*		*50 - 134*		*02/16/12 13:52*	*1000*

Client Sample ID: MW-40-Pre24-2

Lab Sample ID: 600-50264-9

Date Collected: 02/08/12 14:35

Matrix: Water

Date Received: 02/09/12 14:52

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	50	U	250	50	ug/L			02/11/12 17:59	50
Benzene	**120**		50	4.0	ug/L			02/11/12 17:59	50
Chlorobromomethane	9.0	U	50	9.0	ug/L			02/11/12 17:59	50
Bromoform	9.5	U	50	9.5	ug/L			02/11/12 17:59	50
Bromomethane	13	U	100	13	ug/L			02/11/12 17:59	50
2-Butanone (MEK)	38	U	100	38	ug/L			02/11/12 17:59	50
Carbon disulfide	12	U	100	12	ug/L			02/11/12 17:59	50
Carbon tetrachloride	7.5	U	50	7.5	ug/L			02/11/12 17:59	50
Dibromochloromethane	7.5	U	50	7.5	ug/L			02/11/12 17:59	50
Chlorobenzene	**320**		50	6.0	ug/L			02/11/12 17:59	50
Chloroethane	4.0	U	100	4.0	ug/L			02/11/12 17:59	50
Chloroform	6.5	U	50	6.5	ug/L			02/11/12 17:59	50
Chloromethane	9.0	U	100	9.0	ug/L			02/11/12 17:59	50
1,1-Dichloroethane	**450**		50	5.5	ug/L			02/11/12 17:59	50

Client Sample ID: MW-40-Pre24-2

Lab Sample ID: 600-50264-9

Date Collected: 02/08/12 14:35

Matrix: Water

Date Received: 02/09/12 14:52

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	7.0	U	50	7.0	ug/L			02/11/12 17:59	50
1,1-Dichloroethene	9.5	U	50	9.5	ug/L			02/11/12 17:59	50
trans-1,2-Dichloroethene	4.5	U	50	4.5	ug/L			02/11/12 17:59	50
1,2-Dichloropropane	8.0	U	50	8.0	ug/L			02/11/12 17:59	50
cis-1,3-Dichloropropene	9.0	U	50	9.0	ug/L			02/11/12 17:59	50
trans-1,3-Dichloropropene	11	U	50	11	ug/L			02/11/12 17:59	50
Ethylbenzene	**92**		50	5.5	ug/L			02/11/12 17:59	50
2-Hexanone	18	U	100	18	ug/L			02/11/12 17:59	50
Methylene Chloride	7.5	U	250	7.5	ug/L			02/11/12 17:59	50
4-Methyl-2-pentanone (MIBK)	23	U	100	23	ug/L			02/11/12 17:59	50
Styrene	3.5	U	50	3.5	ug/L			02/11/12 17:59	50
1,1,2,2-Tetrachloroethane	11	U	50	11	ug/L			02/11/12 17:59	50
Tetrachloroethene	6.5	U	50	6.5	ug/L			02/11/12 17:59	50
Toluene	**26**	**J**	50	7.5	ug/L			02/11/12 17:59	50
1,1,1-Trichloroethane	7.5	U	50	7.5	ug/L			02/11/12 17:59	50
1,1,2-Trichloroethane	14	U	50	14	ug/L			02/11/12 17:59	50
Trichloroethene	9.0	U	50	9.0	ug/L			02/11/12 17:59	50
Vinyl acetate	11	U	100	11	ug/L			02/11/12 17:59	50
o-Xylene	6.0	U	50	6.0	ug/L			02/11/12 17:59	50
m-Xylene & p-Xylene	8.5	U	50	8.5	ug/L			02/11/12 17:59	50
Xylenes, Total	13	U	50	13	ug/L			02/11/12 17:59	50
cis-1,2-Dichloroethene	3.0	U	50	3.0	ug/L			02/11/12 17:59	50
Bromodichloromethane	8.0	U	50	8.0	ug/L			02/11/12 17:59	50
1,2-Dichloroethene, Total	15	U	50	15	ug/L			02/11/12 17:59	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*70 - 130*		*02/11/12 17:59*	*50*
Dibromofluoromethane	*95*		*62 - 130*		*02/11/12 17:59*	*50*
4-Bromofluorobenzene	*84*		*67 - 139*		*02/11/12 17:59*	*50*
1,2-Dichloroethane-d4 (Surr)	*100*		*50 - 134*		*02/11/12 17:59*	*50*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**3200**		1000	55	ug/L			02/16/12 14:20	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*88*		*70 - 130*		*02/16/12 14:20*	*500*
Dibromofluoromethane	*77*		*62 - 130*		*02/16/12 14:20*	*500*
4-Bromofluorobenzene	*91*		*67 - 139*		*02/16/12 14:20*	*500*
1,2-Dichloroethane-d4 (Surr)	*82*		*50 - 134*		*02/16/12 14:20*	*500*

Client Sample ID: MW-68-Pre24-4

Lab Sample ID: 600-50264-10

Date Collected: 02/08/12 14:45

Matrix: Water

Date Received: 02/09/12 14:52

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	50	U	250	50	ug/L			02/11/12 18:25	50
Benzene	**120**		50	4.0	ug/L			02/11/12 18:25	50
Chlorobromomethane	9.0	U	50	9.0	ug/L			02/11/12 18:25	50
Bromoform	9.5	U	50	9.5	ug/L			02/11/12 18:25	50
Bromomethane	13	U	100	13	ug/L			02/11/12 18:25	50

Client Sample ID: MW-68-Pre24-4
Date Collected: 02/08/12 14:45
Date Received: 02/09/12 14:52

Lab Sample ID: 600-50264-10
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	38	U	100	38	ug/L			02/11/12 18:25	50
Carbon disulfide	12	U	100	12	ug/L			02/11/12 18:25	50
Carbon tetrachloride	7.5	U	50	7.5	ug/L			02/11/12 18:25	50
Dibromochloromethane	7.5	U	50	7.5	ug/L			02/11/12 18:25	50
Chlorobenzene	**50**		50	6.0	ug/L			02/11/12 18:25	50
Chloroethane	4.0	U	100	4.0	ug/L			02/11/12 18:25	50
Chloroform	6.5	U	50	6.5	ug/L			02/11/12 18:25	50
Chloromethane	9.0	U	100	9.0	ug/L			02/11/12 18:25	50
1,1-Dichloroethane	**150**		50	5.5	ug/L			02/11/12 18:25	50
1,2-Dichloroethane	7.0	U	50	7.0	ug/L			02/11/12 18:25	50
1,1-Dichloroethene	9.5	U	50	9.5	ug/L			02/11/12 18:25	50
trans-1,2-Dichloroethene	**440**		50	4.5	ug/L			02/11/12 18:25	50
1,2-Dichloropropane	8.0	U	50	8.0	ug/L			02/11/12 18:25	50
cis-1,3-Dichloropropene	9.0	U	50	9.0	ug/L			02/11/12 18:25	50
trans-1,3-Dichloropropene	11	U	50	11	ug/L			02/11/12 18:25	50
Ethylbenzene	**270**		50	5.5	ug/L			02/11/12 18:25	50
2-Hexanone	18	U	100	18	ug/L			02/11/12 18:25	50
Methylene Chloride	7.5	U	250	7.5	ug/L			02/11/12 18:25	50
4-Methyl-2-pentanone (MIBK)	23	U	100	23	ug/L			02/11/12 18:25	50
Styrene	3.5	U	50	3.5	ug/L			02/11/12 18:25	50
1,1,2,2-Tetrachloroethane	11	U	50	11	ug/L			02/11/12 18:25	50
Tetrachloroethene	6.5	U	50	6.5	ug/L			02/11/12 18:25	50
Toluene	**41**	**J**	50	7.5	ug/L			02/11/12 18:25	50
1,1,1-Trichloroethane	7.5	U	50	7.5	ug/L			02/11/12 18:25	50
1,1,2-Trichloroethane	14	U	50	14	ug/L			02/11/12 18:25	50
Trichloroethene	9.0	U	50	9.0	ug/L			02/11/12 18:25	50
Vinyl acetate	11	U	100	11	ug/L			02/11/12 18:25	50
o-Xylene	6.0	U	50	6.0	ug/L			02/11/12 18:25	50
m-Xylene & p-Xylene	**220**		50	8.5	ug/L			02/11/12 18:25	50
Xylenes, Total	**220**		50	13	ug/L			02/11/12 18:25	50
cis-1,2-Dichloroethene	3.0	U	50	3.0	ug/L			02/11/12 18:25	50
Bromodichloromethane	8.0	U	50	8.0	ug/L			02/11/12 18:25	50
1,2-Dichloroethene, Total	**440**		50	15	ug/L			02/11/12 18:25	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*70 - 130*		*02/11/12 18:25*	*50*
Dibromofluoromethane	*94*		*62 - 130*		*02/11/12 18:25*	*50*
4-Bromofluorobenzene	*84*		*67 - 139*		*02/11/12 18:25*	*50*
1,2-Dichloroethane-d4 (Surr)	*90*		*50 - 134*		*02/11/12 18:25*	*50*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**5900**		2000	110	ug/L			02/16/12 14:48	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*89*		*70 - 130*		*02/16/12 14:48*	*1000*
Dibromofluoromethane	*77*		*62 - 130*		*02/16/12 14:48*	*1000*
4-Bromofluorobenzene	*90*		*67 - 139*		*02/16/12 14:48*	*1000*
1,2-Dichloroethane-d4 (Surr)	*82*		*50 - 134*		*02/16/12 14:48*	*1000*

Client Sample Results

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-50264-1

Client Sample ID: MW-40-24-2

Date Collected: 02/08/12 15:35
Date Received: 02/09/12 14:52

Lab Sample ID: 600-50264-11

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	50	U	250	50	ug/L			02/11/12 18:51	50
Benzene	**160**		50	4.0	ug/L			02/11/12 18:51	50
Chlorobromomethane	9.0	U	50	9.0	ug/L			02/11/12 18:51	50
Bromoform	9.5	U	50	9.5	ug/L			02/11/12 18:51	50
Bromomethane	13	U	100	13	ug/L			02/11/12 18:51	50
2-Butanone (MEK)	38	U	100	38	ug/L			02/11/12 18:51	50
Carbon disulfide	12	U	100	12	ug/L			02/11/12 18:51	50
Carbon tetrachloride	7.5	U	50	7.5	ug/L			02/11/12 18:51	50
Dibromochloromethane	7.5	U	50	7.5	ug/L			02/11/12 18:51	50
Chlorobenzene	**570**		50	6.0	ug/L			02/11/12 18:51	50
Chloroethane	4.0	U	100	4.0	ug/L			02/11/12 18:51	50
Chloroform	6.5	U	50	6.5	ug/L			02/11/12 18:51	50
Chloromethane	9.0	U	100	9.0	ug/L			02/11/12 18:51	50
1,1-Dichloroethane	**610**		50	5.5	ug/L			02/11/12 18:51	50
1,2-Dichloroethane	7.0	U	50	7.0	ug/L			02/11/12 18:51	50
1,1-Dichloroethene	9.5	U	50	9.5	ug/L			02/11/12 18:51	50
trans-1,2-Dichloroethene	4.5	U	50	4.5	ug/L			02/11/12 18:51	50
1,2-Dichloropropane	8.0	U	50	8.0	ug/L			02/11/12 18:51	50
cis-1,3-Dichloropropene	9.0	U	50	9.0	ug/L			02/11/12 18:51	50
trans-1,3-Dichloropropene	11	U	50	11	ug/L			02/11/12 18:51	50
Ethylbenzene	**240**		50	5.5	ug/L			02/11/12 18:51	50
2-Hexanone	18	U	100	18	ug/L			02/11/12 18:51	50
Methylene Chloride	7.5	U	250	7.5	ug/L			02/11/12 18:51	50
4-Methyl-2-pentanone (MIBK)	23	U	100	23	ug/L			02/11/12 18:51	50
Styrene	3.5	U	50	3.5	ug/L			02/11/12 18:51	50
1,1,2,2-Tetrachloroethane	11	U	50	11	ug/L			02/11/12 18:51	50
Tetrachloroethene	6.5	U	50	6.5	ug/L			02/11/12 18:51	50
Toluene	**41**	**J**	50	7.5	ug/L			02/11/12 18:51	50
1,1,1-Trichloroethane	7.5	U	50	7.5	ug/L			02/11/12 18:51	50
1,1,2-Trichloroethane	14	U	50	14	ug/L			02/11/12 18:51	50
Trichloroethene	9.0	U	50	9.0	ug/L			02/11/12 18:51	50
Vinyl acetate	11	U	100	11	ug/L			02/11/12 18:51	50
o-Xylene	6.0	U	50	6.0	ug/L			02/11/12 18:51	50
m-Xylene & p-Xylene	8.5	U	50	8.5	ug/L			02/11/12 18:51	50
Xylenes, Total	13	U	50	13	ug/L			02/11/12 18:51	50
cis-1,2-Dichloroethene	3.0	U	50	3.0	ug/L			02/11/12 18:51	50
Bromodichloromethane	8.0	U	50	8.0	ug/L			02/11/12 18:51	50
1,2-Dichloroethene, Total	15	U	50	15	ug/L			02/11/12 18:51	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*70 - 130*		*02/11/12 18:51*	*50*
Dibromofluoromethane	*94*		*62 - 130*		*02/11/12 18:51*	*50*
4-Bromofluorobenzene	*87*		*67 - 139*		*02/11/12 18:51*	*50*
1,2-Dichloroethane-d4 (Surr)	*100*		*50 - 134*		*02/11/12 18:51*	*50*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**4600**		1000	55	ug/L			02/16/12 15:16	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*89*		*70 - 130*		*02/16/12 15:16*	*500*
Dibromofluoromethane	*79*		*62 - 130*		*02/16/12 15:16*	*500*

Client Sample ID: MW-40-24-2

Lab Sample ID: 600-50264-11

Date Collected: 02/08/12 15:35
Matrix: Water
Date Received: 02/09/12 14:52

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	*91*		*67 - 139*		*02/16/12 15:16*	*500*
1,2-Dichloroethane-d4 (Surr)	*83*		*50 - 134*		*02/16/12 15:16*	*500*

Client Sample ID: DUP-24-2

Lab Sample ID: 600-50264-12

Date Collected: 02/08/12 00:00
Matrix: Water
Date Received: 02/09/12 14:52

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	50	U	250	50	ug/L			02/11/12 19:18	50
Benzene	**130**		50	4.0	ug/L			02/11/12 19:18	50
Chlorobromomethane	9.0	U	50	9.0	ug/L			02/11/12 19:18	50
Bromoform	9.5	U	50	9.5	ug/L			02/11/12 19:18	50
Bromomethane	13	U	100	13	ug/L			02/11/12 19:18	50
2-Butanone (MEK)	38	U	100	38	ug/L			02/11/12 19:18	50
Carbon disulfide	12	U	100	12	ug/L			02/11/12 19:18	50
Carbon tetrachloride	7.5	U	50	7.5	ug/L			02/11/12 19:18	50
Dibromochloromethane	7.5	U	50	7.5	ug/L			02/11/12 19:18	50
Chlorobenzene	**290**		50	6.0	ug/L			02/11/12 19:18	50
Chloroethane	4.0	U	100	4.0	ug/L			02/11/12 19:18	50
Chloroform	6.5	U	50	6.5	ug/L			02/11/12 19:18	50
Chloromethane	9.0	U	100	9.0	ug/L			02/11/12 19:18	50
1,1-Dichloroethane	**980**		50	5.5	ug/L			02/11/12 19:18	50
1,2-Dichloroethane	**480**		50	7.0	ug/L			02/11/12 19:18	50
1,1-Dichloroethene	**290**		50	9.5	ug/L			02/11/12 19:18	50
trans-1,2-Dichloroethene	**1200**		50	4.5	ug/L			02/11/12 19:18	50
1,2-Dichloropropane	8.0	U	50	8.0	ug/L			02/11/12 19:18	50
cis-1,3-Dichloropropene	9.0	U	50	9.0	ug/L			02/11/12 19:18	50
trans-1,3-Dichloropropene	11	U	50	11	ug/L			02/11/12 19:18	50
Ethylbenzene	**28**	**J**	50	5.5	ug/L			02/11/12 19:18	50
2-Hexanone	18	U	100	18	ug/L			02/11/12 19:18	50
Methylene Chloride	7.5	U	250	7.5	ug/L			02/11/12 19:18	50
4-Methyl-2-pentanone (MIBK)	23	U	100	23	ug/L			02/11/12 19:18	50
Styrene	3.5	U	50	3.5	ug/L			02/11/12 19:18	50
1,1,2,2-Tetrachloroethane	11	U	50	11	ug/L			02/11/12 19:18	50
Tetrachloroethene	6.5	U	50	6.5	ug/L			02/11/12 19:18	50
Toluene	**12**	**J**	50	7.5	ug/L			02/11/12 19:18	50
1,1,1-Trichloroethane	7.5	U	50	7.5	ug/L			02/11/12 19:18	50
1,1,2-Trichloroethane	14	U	50	14	ug/L			02/11/12 19:18	50
Trichloroethene	**370**		50	9.0	ug/L			02/11/12 19:18	50
Vinyl acetate	11	U	100	11	ug/L			02/11/12 19:18	50
o-Xylene	6.0	U	50	6.0	ug/L			02/11/12 19:18	50
m-Xylene & p-Xylene	8.5	U	50	8.5	ug/L			02/11/12 19:18	50
Xylenes, Total	13	U	50	13	ug/L			02/11/12 19:18	50
cis-1,2-Dichloroethene	**2200**		50	3.0	ug/L			02/11/12 19:18	50
Bromodichloromethane	8.0	U	50	8.0	ug/L			02/11/12 19:18	50
1,2-Dichloroethene, Total	**3400**		50	15	ug/L			02/11/12 19:18	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*98*		*70 - 130*		*02/11/12 19:18*	*50*
Dibromofluoromethane	*94*		*62 - 130*		*02/11/12 19:18*	*50*

Client Sample ID: DUP-24-2

Lab Sample ID: 600-50264-12

Date Collected: 02/08/12 00:00

Matrix: Water

Date Received: 02/09/12 14:52

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*80*		*67 - 139*		*02/11/12 19:18*	*50*
1,2-Dichloroethane-d4 (Surr)	*96*		*50 - 134*		*02/11/12 19:18*	*50*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**12000**		2000	110	ug/L			02/16/12 15:45	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*88*		*70 - 130*		*02/16/12 15:45*	*1000*
Dibromofluoromethane	*78*		*62 - 130*		*02/16/12 15:45*	*1000*
4-Bromofluorobenzene	*90*		*67 - 139*		*02/16/12 15:45*	*1000*
1,2-Dichloroethane-d4 (Surr)	*82*		*50 - 134*		*02/16/12 15:45*	*1000*

Client Sample ID: MW-4-PRE24-2

Lab Sample ID: 600-50264-15

Date Collected: 02/08/12 16:10

Matrix: Water

Date Received: 02/09/12 14:52

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	500	U	2500	500	ug/L			02/15/12 16:38	500
Benzene	**4500**		500	40	ug/L			02/15/12 16:38	500
Chlorobromomethane	90	U	500	90	ug/L			02/15/12 16:38	500
Bromoform	95	U	500	95	ug/L			02/15/12 16:38	500
Bromomethane	130	U	1000	130	ug/L			02/15/12 16:38	500
2-Butanone (MEK)	380	U	1000	380	ug/L			02/15/12 16:38	500
Carbon disulfide	120	U	1000	120	ug/L			02/15/12 16:38	500
Carbon tetrachloride	75	U	500	75	ug/L			02/15/12 16:38	500
Dibromochloromethane	75	U	500	75	ug/L			02/15/12 16:38	500
Chlorobenzene	**1100**		500	60	ug/L			02/15/12 16:38	500
Chloroethane	40	U	1000	40	ug/L			02/15/12 16:38	500
Chloroform	65	U	500	65	ug/L			02/15/12 16:38	500
Chloromethane	90	U	1000	90	ug/L			02/15/12 16:38	500
1,1-Dichloroethane	**5300**		500	55	ug/L			02/15/12 16:38	500
1,1-Dichloroethene	**7900**		500	95	ug/L			02/15/12 16:38	500
trans-1,2-Dichloroethene	**8200**		500	45	ug/L			02/15/12 16:38	500
1,2-Dichloropropane	80	U	500	80	ug/L			02/15/12 16:38	500
cis-1,3-Dichloropropene	90	U	500	90	ug/L			02/15/12 16:38	500
trans-1,3-Dichloropropene	110	U	500	110	ug/L			02/15/12 16:38	500
Ethylbenzene	**830**		500	55	ug/L			02/15/12 16:38	500
2-Hexanone	180	U	1000	180	ug/L			02/15/12 16:38	500
Methylene Chloride	75	U	2500	75	ug/L			02/15/12 16:38	500
4-Methyl-2-pentanone (MIBK)	230	U	1000	230	ug/L			02/15/12 16:38	500
Styrene	35	U	500	35	ug/L			02/15/12 16:38	500
1,1,2,2-Tetrachloroethane	110	U	500	110	ug/L			02/15/12 16:38	500
Tetrachloroethene	**490**	**J ***	500	65	ug/L			02/15/12 16:38	500
Toluene	**260**	**J**	500	75	ug/L			02/15/12 16:38	500
1,1,1-Trichloroethane	75	U	500	75	ug/L			02/15/12 16:38	500
1,1,2-Trichloroethane	140	U	500	140	ug/L			02/15/12 16:38	500
Trichloroethene	**1800**		500	90	ug/L			02/15/12 16:38	500
Vinyl acetate	110	U	1000	110	ug/L			02/15/12 16:38	500
o-Xylene	60	U	500	60	ug/L			02/15/12 16:38	500

Client Sample ID: MW-4-PRE24-2

Lab Sample ID: 600-50264-15

Date Collected: 02/08/12 16:10

Matrix: Water

Date Received: 02/09/12 14:52

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	**950**		500	85	ug/L			02/15/12 16:38	500
Xylenes, Total	**950**		500	130	ug/L			02/15/12 16:38	500
cis-1,2-Dichloroethene	**4100**		500	30	ug/L			02/15/12 16:38	500
Bromodichloromethane	80	U	500	80	ug/L			02/15/12 16:38	500
1,2-Dichloroethene, Total	**12000**		500	150	ug/L			02/15/12 16:38	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*91*		*70 - 130*		*02/15/12 16:38*	*500*
Dibromofluoromethane	*81*		*62 - 130*		*02/15/12 16:38*	*500*
4-Bromofluorobenzene	*88*		*67 - 139*		*02/15/12 16:38*	*500*
1,2-Dichloroethane-d4 (Surr)	*88*		*50 - 134*		*02/15/12 16:38*	*500*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	**89000**		10000	1400	ug/L			02/15/12 19:28	10000
Vinyl chloride	**160000**		20000	1100	ug/L			02/15/12 19:28	10000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*70 - 130*		*02/15/12 19:28*	*10000*
Dibromofluoromethane	*79*		*62 - 130*		*02/15/12 19:28*	*10000*
4-Bromofluorobenzene	*89*		*67 - 139*		*02/15/12 19:28*	*10000*
1,2-Dichloroethane-d4 (Surr)	*86*		*50 - 134*		*02/15/12 19:28*	*10000*

Client Sample ID: MW-66-PRE24-2

Lab Sample ID: 600-50264-16

Date Collected: 02/08/12 16:00

Matrix: Water

Date Received: 02/09/12 14:52

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	500	U	2500	500	ug/L			02/15/12 17:06	500
Benzene	**4700**		500	40	ug/L			02/15/12 17:06	500
Chlorobromomethane	90	U	500	90	ug/L			02/15/12 17:06	500
Bromoform	95	U	500	95	ug/L			02/15/12 17:06	500
Bromomethane	130	U	1000	130	ug/L			02/15/12 17:06	500
2-Butanone (MEK)	380	U	1000	380	ug/L			02/15/12 17:06	500
Carbon disulfide	120	U	1000	120	ug/L			02/15/12 17:06	500
Carbon tetrachloride	75	U	500	75	ug/L			02/15/12 17:06	500
Dibromochloromethane	75	U	500	75	ug/L			02/15/12 17:06	500
Chlorobenzene	**1000**		500	60	ug/L			02/15/12 17:06	500
Chloroethane	40	U	1000	40	ug/L			02/15/12 17:06	500
Chloroform	65	U	500	65	ug/L			02/15/12 17:06	500
Chloromethane	90	U	1000	90	ug/L			02/15/12 17:06	500
1,1-Dichloroethane	**3200**		500	55	ug/L			02/15/12 17:06	500
1,1-Dichloroethene	**2100**		500	95	ug/L			02/15/12 17:06	500
trans-1,2-Dichloroethene	**3300**		500	45	ug/L			02/15/12 17:06	500
1,2-Dichloropropane	80	U	500	80	ug/L			02/15/12 17:06	500
cis-1,3-Dichloropropene	90	U	500	90	ug/L			02/15/12 17:06	500
trans-1,3-Dichloropropene	110	U	500	110	ug/L			02/15/12 17:06	500
Ethylbenzene	**2200**		500	55	ug/L			02/15/12 17:06	500
2-Hexanone	180	U	1000	180	ug/L			02/15/12 17:06	500
Methylene Chloride	75	U	2500	75	ug/L			02/15/12 17:06	500
4-Methyl-2-pentanone (MIBK)	230	U	1000	230	ug/L			02/15/12 17:06	500

Client Sample ID: MW-66-PRE24-2

Lab Sample ID: 600-50264-16

Date Collected: 02/08/12 16:00

Matrix: Water

Date Received: 02/09/12 14:52

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	**670**		500	35	ug/L			02/15/12 17:06	500
1,1,2,2-Tetrachloroethane	110	U	500	110	ug/L			02/15/12 17:06	500
Tetrachloroethene	**310**	**J ***	500	65	ug/L			02/15/12 17:06	500
Toluene	**1400**		500	75	ug/L			02/15/12 17:06	500
1,1,1-Trichloroethane	75	U	500	75	ug/L			02/15/12 17:06	500
Trichloroethene	**980**		500	90	ug/L			02/15/12 17:06	500
Vinyl acetate	110	U	1000	110	ug/L			02/15/12 17:06	500
o-Xylene	60	U	500	60	ug/L			02/15/12 17:06	500
m-Xylene & p-Xylene	85	U	500	85	ug/L			02/15/12 17:06	500
Xylenes, Total	130	U	500	130	ug/L			02/15/12 17:06	500
cis-1,2-Dichloroethene	**1500**		500	30	ug/L			02/15/12 17:06	500
Bromodichloromethane	80	U	500	80	ug/L			02/15/12 17:06	500
1,2-Dichloroethene, Total	**4800**		500	150	ug/L			02/15/12 17:06	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*70 - 130*		*02/15/12 17:06*	*500*
Dibromofluoromethane	*83*		*62 - 130*		*02/15/12 17:06*	*500*
4-Bromofluorobenzene	*90*		*67 - 139*		*02/15/12 17:06*	*500*
1,2-Dichloroethane-d4 (Surr)	*88*		*50 - 134*		*02/15/12 17:06*	*500*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	**160000**		10000	1400	ug/L			02/15/12 19:56	10000
1,1,2-Trichloroethane	**58000**		10000	2800	ug/L			02/15/12 19:56	10000
Vinyl chloride	**67000**		20000	1100	ug/L			02/15/12 19:56	10000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*70 - 130*		*02/15/12 19:56*	*10000*
Dibromofluoromethane	*80*		*62 - 130*		*02/15/12 19:56*	*10000*
4-Bromofluorobenzene	*89*		*67 - 139*		*02/15/12 19:56*	*10000*
1,2-Dichloroethane-d4 (Surr)	*86*		*50 - 134*		*02/15/12 19:56*	*10000*

Client Sample ID: MW-68-24-2

Lab Sample ID: 600-50264-17

Date Collected: 02/08/12 15:45

Matrix: Water

Date Received: 02/09/12 14:52

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	20	U	100	20	ug/L			02/15/12 15:41	20
Benzene	**140**		20	1.6	ug/L			02/15/12 15:41	20
Chlorobromomethane	3.6	U	20	3.6	ug/L			02/15/12 15:41	20
Bromoform	3.8	U	20	3.8	ug/L			02/15/12 15:41	20
Bromomethane	5.0	U	40	5.0	ug/L			02/15/12 15:41	20
2-Butanone (MEK)	15	U	40	15	ug/L			02/15/12 15:41	20
Carbon disulfide	4.8	U	40	4.8	ug/L			02/15/12 15:41	20
Carbon tetrachloride	3.0	U	20	3.0	ug/L			02/15/12 15:41	20
Dibromochloromethane	3.0	U	20	3.0	ug/L			02/15/12 15:41	20
Chlorobenzene	**51**		20	2.4	ug/L			02/15/12 15:41	20
Chloroethane	1.6	U	40	1.6	ug/L			02/15/12 15:41	20
Chloroform	2.6	U	20	2.6	ug/L			02/15/12 15:41	20
Chloromethane	3.6	U	40	3.6	ug/L			02/15/12 15:41	20
1,1-Dichloroethane	**130**		20	2.2	ug/L			02/15/12 15:41	20

Client Sample ID: MW-68-24-2

Lab Sample ID: 600-50264-17

Date Collected: 02/08/12 15:45

Matrix: Water

Date Received: 02/09/12 14:52

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	**7.7**	**J**	20	2.8	ug/L			02/15/12 15:41	20
1,1-Dichloroethene	**4.0**	**J**	20	3.8	ug/L			02/15/12 15:41	20
trans-1,2-Dichloroethene	**290**		20	1.8	ug/L			02/15/12 15:41	20
1,2-Dichloropropane	3.2	U	20	3.2	ug/L			02/15/12 15:41	20
cis-1,3-Dichloropropene	3.6	U	20	3.6	ug/L			02/15/12 15:41	20
trans-1,3-Dichloropropene	4.2	U	20	4.2	ug/L			02/15/12 15:41	20
Ethylbenzene	**180**		20	2.2	ug/L			02/15/12 15:41	20
2-Hexanone	7.0	U	40	7.0	ug/L			02/15/12 15:41	20
Methylene Chloride	3.0	U	100	3.0	ug/L			02/15/12 15:41	20
4-Methyl-2-pentanone (MIBK)	9.0	U	40	9.0	ug/L			02/15/12 15:41	20
Styrene	1.4	U	20	1.4	ug/L			02/15/12 15:41	20
1,1,2,2-Tetrachloroethane	4.4	U	20	4.4	ug/L			02/15/12 15:41	20
Tetrachloroethene	2.6	U *	20	2.6	ug/L			02/15/12 15:41	20
Toluene	**46**		20	3.0	ug/L			02/15/12 15:41	20
1,1,1-Trichloroethane	3.0	U	20	3.0	ug/L			02/15/12 15:41	20
1,1,2-Trichloroethane	5.6	U	20	5.6	ug/L			02/15/12 15:41	20
Trichloroethene	**3.7**	**J**	20	3.6	ug/L			02/15/12 15:41	20
Vinyl acetate	4.2	U	40	4.2	ug/L			02/15/12 15:41	20
o-Xylene	2.4	U	20	2.4	ug/L			02/15/12 15:41	20
m-Xylene & p-Xylene	**39**		20	3.4	ug/L			02/15/12 15:41	20
Xylenes, Total	**39**		20	5.2	ug/L			02/15/12 15:41	20
cis-1,2-Dichloroethene	**11**	**J**	20	1.2	ug/L			02/15/12 15:41	20
Bromodichloromethane	3.2	U	20	3.2	ug/L			02/15/12 15:41	20
1,2-Dichloroethene, Total	**300**		20	6.0	ug/L			02/15/12 15:41	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*70 - 130*		*02/15/12 15:41*	*20*
Dibromofluoromethane	*85*		*62 - 130*		*02/15/12 15:41*	*20*
4-Bromofluorobenzene	*90*		*67 - 139*		*02/15/12 15:41*	*20*
1,2-Dichloroethane-d4 (Surr)	*89*		*50 - 134*		*02/15/12 15:41*	*20*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**4900**		1000	55	ug/L			02/15/12 18:31	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*70 - 130*		*02/15/12 18:31*	*500*
Dibromofluoromethane	*81*		*62 - 130*		*02/15/12 18:31*	*500*
4-Bromofluorobenzene	*90*		*67 - 139*		*02/15/12 18:31*	*500*
1,2-Dichloroethane-d4 (Surr)	*85*		*50 - 134*		*02/15/12 18:31*	*500*

Client Sample ID: MW-66-24-2

Lab Sample ID: 600-50264-18

Date Collected: 02/08/12 17:00

Matrix: Water

Date Received: 02/09/12 14:52

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	500	U	2500	500	ug/L			02/15/12 17:34	500
Benzene	**5100**		500	40	ug/L			02/15/12 17:34	500
Chlorobromomethane	90	U	500	90	ug/L			02/15/12 17:34	500
Bromoform	95	U	500	95	ug/L			02/15/12 17:34	500
Bromomethane	130	U	1000	130	ug/L			02/15/12 17:34	500

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-50264-1

Client Sample ID: MW-66-24-2
Date Collected: 02/08/12 17:00
Date Received: 02/09/12 14:52

Lab Sample ID: 600-50264-18
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	380	U	1000	380	ug/L			02/15/12 17:34	500
Carbon disulfide	120	U	1000	120	ug/L			02/15/12 17:34	500
Carbon tetrachloride	75	U	500	75	ug/L			02/15/12 17:34	500
Dibromochloromethane	75	U	500	75	ug/L			02/15/12 17:34	500
Chlorobenzene	**1200**		500	60	ug/L			02/15/12 17:34	500
Chloroethane	40	U	1000	40	ug/L			02/15/12 17:34	500
Chloroform	65	U	500	65	ug/L			02/15/12 17:34	500
Chloromethane	90	U	1000	90	ug/L			02/15/12 17:34	500
1,1-Dichloroethane	**3300**		500	55	ug/L			02/15/12 17:34	500
1,1-Dichloroethene	**2300**		500	95	ug/L			02/15/12 17:34	500
trans-1,2-Dichloroethene	**3500**		500	45	ug/L			02/15/12 17:34	500
1,2-Dichloropropane	80	U	500	80	ug/L			02/15/12 17:34	500
cis-1,3-Dichloropropene	90	U	500	90	ug/L			02/15/12 17:34	500
trans-1,3-Dichloropropene	110	U	500	110	ug/L			02/15/12 17:34	500
Ethylbenzene	**2700**		500	55	ug/L			02/15/12 17:34	500
2-Hexanone	180	U	1000	180	ug/L			02/15/12 17:34	500
Methylene Chloride	**140**	**J**	2500	75	ug/L			02/15/12 17:34	500
4-Methyl-2-pentanone (MIBK)	230	U	1000	230	ug/L			02/15/12 17:34	500
Styrene	**740**		500	35	ug/L			02/15/12 17:34	500
1,1,2,2-Tetrachloroethane	110	U	500	110	ug/L			02/15/12 17:34	500
Tetrachloroethene	**330**	**J ***	500	65	ug/L			02/15/12 17:34	500
Toluene	**1700**		500	75	ug/L			02/15/12 17:34	500
1,1,1-Trichloroethane	75	U	500	75	ug/L			02/15/12 17:34	500
Trichloroethene	**1100**		500	90	ug/L			02/15/12 17:34	500
Vinyl acetate	110	U	1000	110	ug/L			02/15/12 17:34	500
o-Xylene	60	U	500	60	ug/L			02/15/12 17:34	500
m-Xylene & p-Xylene	85	U	500	85	ug/L			02/15/12 17:34	500
Xylenes, Total	130	U	500	130	ug/L			02/15/12 17:34	500
cis-1,2-Dichloroethene	**1500**		500	30	ug/L			02/15/12 17:34	500
Bromodichloromethane	80	U	500	80	ug/L			02/15/12 17:34	500
1,2-Dichloroethene, Total	**5000**		500	150	ug/L			02/15/12 17:34	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*70 - 130*		*02/15/12 17:34*	*500*
Dibromofluoromethane	*83*		*62 - 130*		*02/15/12 17:34*	*500*
4-Bromofluorobenzene	*89*		*67 - 139*		*02/15/12 17:34*	*500*
1,2-Dichloroethane-d4 (Surr)	*87*		*50 - 134*		*02/15/12 17:34*	*500*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	**170000**		10000	1400	ug/L			02/15/12 20:25	10000
1,1,2-Trichloroethane	**61000**		10000	2800	ug/L			02/15/12 20:25	10000
Vinyl chloride	**68000**		20000	1100	ug/L			02/15/12 20:25	10000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*70 - 130*		*02/15/12 20:25*	*10000*
Dibromofluoromethane	*80*		*62 - 130*		*02/15/12 20:25*	*10000*
4-Bromofluorobenzene	*87*		*67 - 139*		*02/15/12 20:25*	*10000*
1,2-Dichloroethane-d4 (Surr)	*86*		*50 - 134*		*02/15/12 20:25*	*10000*

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-50264-1

Client Sample ID: MW-4-24-2
Date Collected: 02/08/12 17:10
Date Received: 02/09/12 14:52

Lab Sample ID: 600-50264-19
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	500	U	2500	500	ug/L			02/15/12 18:03	500
Benzene	**4800**		500	40	ug/L			02/15/12 18:03	500
Chlorobromomethane	90	U	500	90	ug/L			02/15/12 18:03	500
Bromoform	95	U	500	95	ug/L			02/15/12 18:03	500
Bromomethane	130	U	1000	130	ug/L			02/15/12 18:03	500
2-Butanone (MEK)	380	U	1000	380	ug/L			02/15/12 18:03	500
Carbon disulfide	120	U	1000	120	ug/L			02/15/12 18:03	500
Carbon tetrachloride	75	U	500	75	ug/L			02/15/12 18:03	500
Dibromochloromethane	75	U	500	75	ug/L			02/15/12 18:03	500
Chlorobenzene	**1200**		500	60	ug/L			02/15/12 18:03	500
Chloroethane	40	U	1000	40	ug/L			02/15/12 18:03	500
Chloroform	65	U	500	65	ug/L			02/15/12 18:03	500
Chloromethane	90	U	1000	90	ug/L			02/15/12 18:03	500
1,1-Dichloroethane	**5300**		500	55	ug/L			02/15/12 18:03	500
1,1-Dichloroethene	**8300**		500	95	ug/L			02/15/12 18:03	500
trans-1,2-Dichloroethene	**8700**		500	45	ug/L			02/15/12 18:03	500
1,2-Dichloropropane	80	U	500	80	ug/L			02/15/12 18:03	500
cis-1,3-Dichloropropene	90	U	500	90	ug/L			02/15/12 18:03	500
trans-1,3-Dichloropropene	110	U	500	110	ug/L			02/15/12 18:03	500
Ethylbenzene	**890**		500	55	ug/L			02/15/12 18:03	500
2-Hexanone	180	U	1000	180	ug/L			02/15/12 18:03	500
Methylene Chloride	75	U	2500	75	ug/L			02/15/12 18:03	500
4-Methyl-2-pentanone (MIBK)	230	U	1000	230	ug/L			02/15/12 18:03	500
Styrene	35	U	500	35	ug/L			02/15/12 18:03	500
1,1,2,2-Tetrachloroethane	110	U	500	110	ug/L			02/15/12 18:03	500
Tetrachloroethene	**550**		500	65	ug/L			02/16/12 12:56	500
Toluene	**270**	**J**	500	75	ug/L			02/15/12 18:03	500
1,1,1-Trichloroethane	75	U	500	75	ug/L			02/15/12 18:03	500
1,1,2-Trichloroethane	140	U	500	140	ug/L			02/15/12 18:03	500
Trichloroethene	**1900**		500	90	ug/L			02/15/12 18:03	500
Vinyl acetate	110	U	1000	110	ug/L			02/15/12 18:03	500
o-Xylene	60	U	500	60	ug/L			02/15/12 18:03	500
m-Xylene & p-Xylene	**950**		500	85	ug/L			02/15/12 18:03	500
Xylenes, Total	**950**		500	130	ug/L			02/15/12 18:03	500
cis-1,2-Dichloroethene	**4300**		500	30	ug/L			02/15/12 18:03	500
Bromodichloromethane	80	U	500	80	ug/L			02/15/12 18:03	500
1,2-Dichloroethene, Total	**13000**		500	150	ug/L			02/15/12 18:03	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*70 - 130*		*02/15/12 18:03*	*500*
Toluene-d8 (Surr)	*89*		*70 - 130*		*02/16/12 12:56*	*500*
Dibromofluoromethane	*83*		*62 - 130*		*02/15/12 18:03*	*500*
Dibromofluoromethane	*78*		*62 - 130*		*02/16/12 12:56*	*500*
4-Bromofluorobenzene	*92*		*67 - 139*		*02/15/12 18:03*	*500*
4-Bromofluorobenzene	*92*		*67 - 139*		*02/16/12 12:56*	*500*
1,2-Dichloroethane-d4 (Surr)	*89*		*50 - 134*		*02/15/12 18:03*	*500*
1,2-Dichloroethane-d4 (Surr)	*82*		*50 - 134*		*02/16/12 12:56*	*500*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	**91000**		10000	1400	ug/L			02/15/12 20:53	10000

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-50264-1

Client Sample ID: MW-4-24-2
Date Collected: 02/08/12 17:10
Date Received: 02/09/12 14:52

Lab Sample ID: 600-50264-19
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	180000		20000	1100	ug/L			02/15/12 20:53	10000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*70 - 130*		*02/15/12 20:53*	*10000*
Dibromofluoromethane	*80*		*62 - 130*		*02/15/12 20:53*	*10000*
4-Bromofluorobenzene	*89*		*67 - 139*		*02/15/12 20:53*	*10000*
1,2-Dichloroethane-d4 (Surr)	*85*		*50 - 134*		*02/15/12 20:53*	*10000*

Surrogate Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-50264-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DBFM	BFB	12DCE
Lab Sample ID	Client Sample ID	(70-130)	(62-130)	(67-139)	(50-134)
600-50264-1	MW-71-PRE24-2	99	91	76	84
600-50264-1 - DL	MW-71-PRE24-2	88	80	90	82
600-50264-2	MW-65-PRE24-2	100	98	86	104
600-50264-2 - DL	MW-65-PRE24-2	99	94	94	100
600-50264-2 - DL2	MW-65-PRE24-2	100	95	93	100
600-50264-3	MW-71-24-2	97	99	82	55
600-50264-3 - DL	MW-71-24-2	101	94	93	97
600-50264-3 - DL	MW-71-24-2	96	81	88	87
600-50264-3 MS - DL	MW-71-24-2	98	87	94	92
600-50264-3 MSD - DL	MW-71-24-2	96	89	97	92
600-50264-4	MW-65-24-2	101	91	80	109
600-50264-4 - DL	MW-65-24-2	93	80	89	88
600-50264-4 - DL2	MW-65-24-2	94	80	89	88
600-50264-5	MW-8-Pre24-2	101	97	94	98
600-50264-6	MW-11-Pre24-2	97	62	79	102
600-50264-6 - DL	MW-11-Pre24-2	91	76	91	82
600-50264-7	MW-8-24-2	102	96	93	98
600-50264-7 - DL	MW-8-24-2	90	76	93	82
600-50264-7 MS - DL	MW-8-24-2	93	85	101	85
600-50264-7 MSD - DL	MW-8-24-2	93	85	98	85
600-50264-8	MW-11-24-2	103	96	82	107
600-50264-8 - DL	MW-11-24-2	88	78	90	83
600-50264-9	MW-40-Pre24-2	100	95	84	100
600-50264-9 - DL	MW-40-Pre24-2	88	77	91	82
600-50264-10	MW-68-Pre24-4	100	94	84	90
600-50264-10 - DL	MW-68-Pre24-4	89	77	90	82
600-50264-11	MW-40-24-2	98	94	87	100
600-50264-11 - DL	MW-40-24-2	89	79	91	83
600-50264-12	DUP-24-2	98	94	80	96
600-50264-12 - DL	DUP-24-2	88	78	90	82
600-50264-15	MW-4-PRE24-2	91	81	88	88
600-50264-15 - DL	MW-4-PRE24-2	95	79	89	86
600-50264-16	MW-66-PRE24-2	94	83	90	88
600-50264-16 - DL	MW-66-PRE24-2	95	80	89	86
600-50264-17	MW-68-24-2	94	85	90	89
600-50264-17 - DL	MW-68-24-2	95	81	90	85
600-50264-18	MW-66-24-2	94	83	89	87
600-50264-18 - DL	MW-66-24-2	93	80	87	86
600-50264-19	MW-4-24-2	93	83	92	89
600-50264-19 - DL	MW-4-24-2	94	80	89	85
600-50264-19	MW-4-24-2	89	78	92	82
LCS 600-72196/3	Lab Control Sample	112	95	94	87
LCS 600-72286/3	Lab Control Sample	103	100	103	104
LCS 600-72388/4	Lab Control Sample	104	94	102	101
LCS 600-72584/3	Lab Control Sample	94	86	100	88
MB 600-72196/4	Method Blank	103	85	87	76
MB 600-72286/4	Method Blank	101	92	94	97
MB 600-72388/5	Method Blank	94	83	86	92
MB 600-72584/4	Method Blank	90	76	89	84

Surrogate Legend

Surrogate Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-50264-1

TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane
BFB = 4-Bromofluorobenzene
12DCE = 1,2-Dichloroethane-d4 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 600-72196/4
Matrix: Water
Analysis Batch: 72196

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			02/11/12 10:29	1
Benzene	0.080	U	1.0	0.080	ug/L			02/11/12 10:29	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			02/11/12 10:29	1
Bromoform	0.19	U	1.0	0.19	ug/L			02/11/12 10:29	1
Bromomethane	0.25	U	2.0	0.25	ug/L			02/11/12 10:29	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			02/11/12 10:29	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			02/11/12 10:29	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			02/11/12 10:29	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			02/11/12 10:29	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			02/11/12 10:29	1
Chloroethane	0.080	U	2.0	0.080	ug/L			02/11/12 10:29	1
Chloroform	0.13	U	1.0	0.13	ug/L			02/11/12 10:29	1
Chloromethane	0.18	U	2.0	0.18	ug/L			02/11/12 10:29	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			02/11/12 10:29	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			02/11/12 10:29	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			02/11/12 10:29	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			02/11/12 10:29	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			02/11/12 10:29	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			02/11/12 10:29	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			02/11/12 10:29	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			02/11/12 10:29	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			02/11/12 10:29	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			02/11/12 10:29	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			02/11/12 10:29	1
Styrene	0.070	U	1.0	0.070	ug/L			02/11/12 10:29	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			02/11/12 10:29	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			02/11/12 10:29	1
Toluene	0.15	U	1.0	0.15	ug/L			02/11/12 10:29	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			02/11/12 10:29	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			02/11/12 10:29	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			02/11/12 10:29	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			02/11/12 10:29	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			02/11/12 10:29	1
o-Xylene	0.12	U	1.0	0.12	ug/L			02/11/12 10:29	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			02/11/12 10:29	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			02/11/12 10:29	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			02/11/12 10:29	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			02/11/12 10:29	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			02/11/12 10:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*70 - 130*		*02/11/12 10:29*	*1*
Dibromofluoromethane	*85*		*62 - 130*		*02/11/12 10:29*	*1*
4-Bromofluorobenzene	*87*		*67 - 139*		*02/11/12 10:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*76*		*50 - 134*		*02/11/12 10:29*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-72196/3
Matrix: Water
Analysis Batch: 72196

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	11.1		ug/L		55	28 - 152
Benzene	10.0	10.6		ug/L		106	69 - 131
Chlorobromomethane	10.0	9.23		ug/L		92	60 - 141
Bromoform	10.0	10.4		ug/L		104	39 - 149
Bromomethane	10.0	9.41		ug/L		94	52 - 146
2-Butanone (MEK)	20.0	17.1		ug/L		85	59 - 133
Carbon disulfide	10.0	7.56		ug/L		76	32 - 177
Carbon tetrachloride	10.0	9.23		ug/L		92	59 - 147
Dibromochloromethane	10.0	9.38		ug/L		94	58 - 132
Chlorobenzene	10.0	10.2		ug/L		102	60 - 136
Chloroethane	10.0	11.0		ug/L		110	56 - 144
Chloroform	10.0	10.1		ug/L		101	69 - 128
Chloromethane	10.0	7.45		ug/L		74	32 - 151
1,1-Dichloroethane	10.0	9.88		ug/L		99	66 - 126
1,2-Dichloroethane	10.0	8.85		ug/L		88	66 - 140
1,1-Dichloroethene	10.0	7.03		ug/L		70	59 - 145
trans-1,2-Dichloroethene	10.0	8.89		ug/L		89	70 - 132
1,2-Dichloropropane	10.0	10.5		ug/L		105	72 - 125
cis-1,3-Dichloropropene	10.0	10.0		ug/L		100	60 - 135
trans-1,3-Dichloropropene	10.0	9.05		ug/L		91	63 - 133
Ethylbenzene	10.0	11.1		ug/L		111	68 - 128
2-Hexanone	20.0	12.0		ug/L		60	51 - 130
Methylene Chloride	10.0	7.92		ug/L		79	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	25.5		ug/L		128	56 - 142
Styrene	10.0	10.2		ug/L		102	68 - 133
1,1,2,2-Tetrachloroethane	10.0	8.53		ug/L		85	68 - 134
Tetrachloroethene	10.0	12.3		ug/L		123	61 - 142
Toluene	10.0	10.5		ug/L		105	67 - 130
1,1,1-Trichloroethane	10.0	9.65		ug/L		96	65 - 142
1,1,2-Trichloroethane	10.0	9.29		ug/L		93	68 - 130
Trichloroethene	10.0	10.1		ug/L		101	68 - 130
Vinyl acetate	10.0	9.49		ug/L		95	58 - 175
Vinyl chloride	10.0	8.31		ug/L		83	47 - 146
o-Xylene	10.0	10.8		ug/L		108	68 - 134
m-Xylene & p-Xylene	20.0	22.3		ug/L		111	67 - 132
Xylenes, Total	30.0	33.1		ug/L		110	68 - 132
cis-1,2-Dichloroethene	10.0	9.43		ug/L		94	69 - 129
Bromodichloromethane	10.0	10.3		ug/L		103	73 - 130
1,2-Dichloroethene, Total	20.0	18.3		ug/L		92	65 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*112*		*70 - 130*
Dibromofluoromethane	*95*		*62 - 130*
4-Bromofluorobenzene	*94*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*87*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 600-72286/4
Matrix: Water
Analysis Batch: 72286

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			02/14/12 10:33	1
Benzene	0.080	U	1.0	0.080	ug/L			02/14/12 10:33	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			02/14/12 10:33	1
Bromoform	0.19	U	1.0	0.19	ug/L			02/14/12 10:33	1
Bromomethane	0.25	U	2.0	0.25	ug/L			02/14/12 10:33	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			02/14/12 10:33	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			02/14/12 10:33	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			02/14/12 10:33	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			02/14/12 10:33	1
Chlorobenzene	0.152	J	1.0	0.12	ug/L			02/14/12 10:33	1
Chloroethane	0.080	U	2.0	0.080	ug/L			02/14/12 10:33	1
Chloroform	0.13	U	1.0	0.13	ug/L			02/14/12 10:33	1
Chloromethane	0.18	U	2.0	0.18	ug/L			02/14/12 10:33	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			02/14/12 10:33	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			02/14/12 10:33	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			02/14/12 10:33	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			02/14/12 10:33	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			02/14/12 10:33	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			02/14/12 10:33	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			02/14/12 10:33	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			02/14/12 10:33	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			02/14/12 10:33	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			02/14/12 10:33	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			02/14/12 10:33	1
Styrene	0.070	U	1.0	0.070	ug/L			02/14/12 10:33	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			02/14/12 10:33	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			02/14/12 10:33	1
Toluene	0.15	U	1.0	0.15	ug/L			02/14/12 10:33	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			02/14/12 10:33	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			02/14/12 10:33	1
Trichloroethene	0.384	J	1.0	0.18	ug/L			02/14/12 10:33	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			02/14/12 10:33	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			02/14/12 10:33	1
o-Xylene	0.12	U	1.0	0.12	ug/L			02/14/12 10:33	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			02/14/12 10:33	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			02/14/12 10:33	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			02/14/12 10:33	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			02/14/12 10:33	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			02/14/12 10:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*70 - 130*		*02/14/12 10:33*	*1*
Dibromofluoromethane	*92*		*62 - 130*		*02/14/12 10:33*	*1*
4-Bromofluorobenzene	*94*		*67 - 139*		*02/14/12 10:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*50 - 134*		*02/14/12 10:33*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-72286/3
Matrix: Water
Analysis Batch: 72286

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	19.2		ug/L		96	28 - 152
Benzene	10.0	10.6		ug/L		106	69 - 131
Chlorobromomethane	10.0	9.93		ug/L		99	60 - 141
Bromoform	10.0	11.8		ug/L		118	39 - 149
Bromomethane	10.0	8.71		ug/L		87	52 - 146
2-Butanone (MEK)	20.0	17.0		ug/L		85	59 - 133
Carbon disulfide	10.0	9.48		ug/L		95	32 - 177
Carbon tetrachloride	10.0	13.6		ug/L		136	59 - 147
Dibromochloromethane	10.0	11.8		ug/L		118	58 - 132
Chlorobenzene	10.0	11.1		ug/L		111	60 - 136
Chloroethane	10.0	8.65		ug/L		87	56 - 144
Chloroform	10.0	11.3		ug/L		113	69 - 128
Chloromethane	10.0	6.61		ug/L		66	32 - 151
1,1-Dichloroethane	10.0	11.3		ug/L		113	66 - 126
1,2-Dichloroethane	10.0	13.2		ug/L		132	66 - 140
1,1-Dichloroethene	10.0	10.0		ug/L		100	59 - 145
trans-1,2-Dichloroethene	10.0	9.80		ug/L		98	70 - 132
1,2-Dichloropropane	10.0	10.7		ug/L		107	72 - 125
cis-1,3-Dichloropropene	10.0	10.8		ug/L		108	60 - 135
trans-1,3-Dichloropropene	10.0	12.4		ug/L		124	63 - 133
Ethylbenzene	10.0	10.3		ug/L		103	68 - 128
2-Hexanone	20.0	19.8		ug/L		99	51 - 130
Methylene Chloride	10.0	8.69		ug/L		87	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	19.6		ug/L		98	56 - 142
Styrene	10.0	9.63		ug/L		96	68 - 133
1,1,2,2-Tetrachloroethane	10.0	8.02		ug/L		80	68 - 134
Tetrachloroethene	10.0	13.6		ug/L		136	61 - 142
Toluene	10.0	10.8		ug/L		108	67 - 130
1,1,1-Trichloroethane	10.0	12.6		ug/L		126	65 - 142
1,1,2-Trichloroethane	10.0	10.3		ug/L		103	68 - 130
Trichloroethene	10.0	12.9		ug/L		129	68 - 130
Vinyl acetate	10.0	11.1		ug/L		111	58 - 175
Vinyl chloride	10.0	6.97		ug/L		70	47 - 146
o-Xylene	10.0	10.9		ug/L		109	68 - 134
m-Xylene & p-Xylene	20.0	20.1		ug/L		101	67 - 132
Xylenes, Total	30.0	31.0		ug/L		103	68 - 132
cis-1,2-Dichloroethene	10.0	9.37		ug/L		94	69 - 129
Bromodichloromethane	10.0	11.7		ug/L		117	73 - 130
1,2-Dichloroethene, Total	20.0	19.2		ug/L		96	65 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*103*		*70 - 130*
Dibromofluoromethane	*100*		*62 - 130*
4-Bromofluorobenzene	*103*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*104*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 600-72388/5
Matrix: Water
Analysis Batch: 72388

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			02/15/12 11:54	1
Benzene	0.080	U	1.0	0.080	ug/L			02/15/12 11:54	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			02/15/12 11:54	1
Bromoform	0.19	U	1.0	0.19	ug/L			02/15/12 11:54	1
Bromomethane	0.25	U	2.0	0.25	ug/L			02/15/12 11:54	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			02/15/12 11:54	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			02/15/12 11:54	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			02/15/12 11:54	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			02/15/12 11:54	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			02/15/12 11:54	1
Chloroethane	0.080	U	2.0	0.080	ug/L			02/15/12 11:54	1
Chloroform	0.13	U	1.0	0.13	ug/L			02/15/12 11:54	1
Chloromethane	0.18	U	2.0	0.18	ug/L			02/15/12 11:54	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			02/15/12 11:54	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			02/15/12 11:54	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			02/15/12 11:54	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			02/15/12 11:54	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			02/15/12 11:54	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			02/15/12 11:54	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			02/15/12 11:54	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			02/15/12 11:54	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			02/15/12 11:54	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			02/15/12 11:54	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			02/15/12 11:54	1
Styrene	0.070	U	1.0	0.070	ug/L			02/15/12 11:54	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			02/15/12 11:54	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			02/15/12 11:54	1
Toluene	0.15	U	1.0	0.15	ug/L			02/15/12 11:54	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			02/15/12 11:54	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			02/15/12 11:54	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			02/15/12 11:54	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			02/15/12 11:54	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			02/15/12 11:54	1
o-Xylene	0.12	U	1.0	0.12	ug/L			02/15/12 11:54	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			02/15/12 11:54	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			02/15/12 11:54	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			02/15/12 11:54	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			02/15/12 11:54	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			02/15/12 11:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*70 - 130*		*02/15/12 11:54*	*1*
Dibromofluoromethane	*83*		*62 - 130*		*02/15/12 11:54*	*1*
4-Bromofluorobenzene	*86*		*67 - 139*		*02/15/12 11:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*50 - 134*		*02/15/12 11:54*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-72388/4
Matrix: Water
Analysis Batch: 72388

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	15.0		ug/L		75	28 - 152
Benzene	10.0	10.3		ug/L		103	69 - 131
Chlorobromomethane	10.0	9.56		ug/L		96	60 - 141
Bromoform	10.0	11.4		ug/L		114	39 - 149
Bromomethane	10.0	8.48		ug/L		85	52 - 146
2-Butanone (MEK)	20.0	15.6		ug/L		78	59 - 133
Carbon disulfide	10.0	9.36		ug/L		94	32 - 177
Carbon tetrachloride	10.0	13.0		ug/L		130	59 - 147
Dibromochloromethane	10.0	12.1		ug/L		121	58 - 132
Chlorobenzene	10.0	11.0		ug/L		110	60 - 136
Chloroethane	10.0	8.59		ug/L		86	56 - 144
Chloroform	10.0	11.2		ug/L		112	69 - 128
Chloromethane	10.0	6.67		ug/L		67	32 - 151
1,1-Dichloroethane	10.0	11.0		ug/L		110	66 - 126
1,2-Dichloroethane	10.0	13.3		ug/L		133	66 - 140
1,1-Dichloroethene	10.0	9.56		ug/L		96	59 - 145
trans-1,2-Dichloroethene	10.0	9.32		ug/L		93	70 - 132
1,2-Dichloropropane	10.0	10.3		ug/L		103	72 - 125
cis-1,3-Dichloropropene	10.0	10.8		ug/L		108	60 - 135
trans-1,3-Dichloropropene	10.0	12.5		ug/L		125	63 - 133
Ethylbenzene	10.0	10.3		ug/L		103	68 - 128
2-Hexanone	20.0	20.8		ug/L		104	51 - 130
Methylene Chloride	10.0	8.81		ug/L		88	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	19.8		ug/L		99	56 - 142
Styrene	10.0	9.78		ug/L		98	68 - 133
1,1,2,2-Tetrachloroethane	10.0	8.18		ug/L		82	68 - 134
Tetrachloroethene	10.0	17.5	*	ug/L		175	61 - 142
Toluene	10.0	10.9		ug/L		109	67 - 130
1,1,1-Trichloroethane	10.0	12.3		ug/L		123	65 - 142
1,1,2-Trichloroethane	10.0	10.8		ug/L		108	68 - 130
Trichloroethene	10.0	12.3		ug/L		123	68 - 130
Vinyl acetate	10.0	10.8		ug/L		108	58 - 175
Vinyl chloride	10.0	7.00		ug/L		70	47 - 146
o-Xylene	10.0	11.0		ug/L		110	68 - 134
m-Xylene & p-Xylene	20.0	20.6		ug/L		103	67 - 132
Xylenes, Total	30.0	31.6		ug/L		105	68 - 132
cis-1,2-Dichloroethene	10.0	9.26		ug/L		93	69 - 129
Bromodichloromethane	10.0	12.1		ug/L		121	73 - 130
1,2-Dichloroethene, Total	20.0	18.6		ug/L		93	65 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*104*		*70 - 130*
Dibromofluoromethane	*94*		*62 - 130*
4-Bromofluorobenzene	*102*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*101*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 600-72584/4
Matrix: Water
Analysis Batch: 72584

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			02/16/12 10:35	1
Benzene	0.080	U	1.0	0.080	ug/L			02/16/12 10:35	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			02/16/12 10:35	1
Bromoform	0.19	U	1.0	0.19	ug/L			02/16/12 10:35	1
Bromomethane	0.25	U	2.0	0.25	ug/L			02/16/12 10:35	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			02/16/12 10:35	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			02/16/12 10:35	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			02/16/12 10:35	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			02/16/12 10:35	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			02/16/12 10:35	1
Chloroethane	0.080	U	2.0	0.080	ug/L			02/16/12 10:35	1
Chloroform	0.13	U	1.0	0.13	ug/L			02/16/12 10:35	1
Chloromethane	0.18	U	2.0	0.18	ug/L			02/16/12 10:35	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			02/16/12 10:35	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			02/16/12 10:35	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			02/16/12 10:35	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			02/16/12 10:35	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			02/16/12 10:35	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			02/16/12 10:35	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			02/16/12 10:35	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			02/16/12 10:35	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			02/16/12 10:35	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			02/16/12 10:35	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			02/16/12 10:35	1
Styrene	0.070	U	1.0	0.070	ug/L			02/16/12 10:35	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			02/16/12 10:35	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			02/16/12 10:35	1
Toluene	0.15	U	1.0	0.15	ug/L			02/16/12 10:35	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			02/16/12 10:35	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			02/16/12 10:35	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			02/16/12 10:35	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			02/16/12 10:35	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			02/16/12 10:35	1
o-Xylene	0.12	U	1.0	0.12	ug/L			02/16/12 10:35	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			02/16/12 10:35	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			02/16/12 10:35	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			02/16/12 10:35	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			02/16/12 10:35	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			02/16/12 10:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*90*		*70 - 130*		*02/16/12 10:35*	*1*
Dibromofluoromethane	*76*		*62 - 130*		*02/16/12 10:35*	*1*
4-Bromofluorobenzene	*89*		*67 - 139*		*02/16/12 10:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*84*		*50 - 134*		*02/16/12 10:35*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-72584/3
Matrix: Water
Analysis Batch: 72584

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	13.6		ug/L		68	28 - 152
Benzene	10.0	10.1		ug/L		101	69 - 131
Chlorobromomethane	10.0	9.57		ug/L		96	60 - 141
Bromoform	10.0	11.9		ug/L		119	39 - 149
Bromomethane	10.0	8.52		ug/L		85	52 - 146
2-Butanone (MEK)	20.0	14.4		ug/L		72	59 - 133
Carbon disulfide	10.0	9.00		ug/L		90	32 - 177
Carbon tetrachloride	10.0	13.3		ug/L		133	59 - 147
Dibromochloromethane	10.0	12.2		ug/L		122	58 - 132
Chlorobenzene	10.0	11.0		ug/L		110	60 - 136
Chloroethane	10.0	8.39		ug/L		84	56 - 144
Chloroform	10.0	11.1		ug/L		111	69 - 128
Chloromethane	10.0	6.20		ug/L		62	32 - 151
1,1-Dichloroethane	10.0	10.5		ug/L		105	66 - 126
1,2-Dichloroethane	10.0	12.9		ug/L		129	66 - 140
1,1-Dichloroethene	10.0	9.58		ug/L		96	59 - 145
trans-1,2-Dichloroethene	10.0	9.35		ug/L		93	70 - 132
1,2-Dichloropropane	10.0	9.83		ug/L		98	72 - 125
cis-1,3-Dichloropropene	10.0	10.8		ug/L		108	60 - 135
trans-1,3-Dichloropropene	10.0	12.6		ug/L		126	63 - 133
Ethylbenzene	10.0	10.5		ug/L		105	68 - 128
2-Hexanone	20.0	19.3		ug/L		97	51 - 130
Methylene Chloride	10.0	7.99		ug/L		80	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	18.1		ug/L		90	56 - 142
Styrene	10.0	9.96		ug/L		100	68 - 133
1,1,2,2-Tetrachloroethane	10.0	7.71		ug/L		77	68 - 134
Tetrachloroethene	10.0	13.9		ug/L		139	61 - 142
Toluene	10.0	10.8		ug/L		108	67 - 130
1,1,1-Trichloroethane	10.0	12.3		ug/L		123	65 - 142
1,1,2-Trichloroethane	10.0	10.3		ug/L		103	68 - 130
Trichloroethene	10.0	11.9		ug/L		119	68 - 130
Vinyl acetate	10.0	10.5		ug/L		105	58 - 175
Vinyl chloride	10.0	6.84		ug/L		68	47 - 146
o-Xylene	10.0	11.1		ug/L		111	68 - 134
m-Xylene & p-Xylene	20.0	20.8		ug/L		104	67 - 132
Xylenes, Total	30.0	31.9		ug/L		106	68 - 132
cis-1,2-Dichloroethene	10.0	8.86		ug/L		89	69 - 129
Bromodichloromethane	10.0	12.2		ug/L		122	73 - 130
1,2-Dichloroethene, Total	20.0	18.2		ug/L		91	65 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*94*		*70 - 130*
Dibromofluoromethane	*86*		*62 - 130*
4-Bromofluorobenzene	*100*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*88*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Lab Sample ID: 600-50264-3 MS
Matrix: Water
Analysis Batch: 72388

Client Sample ID: MW-71-24-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone - DL	5000		100000	97200		ug/L		97	60 - 140
Benzene - DL	3900		50000	51000		ug/L		94	65 - 125
Chlorobromomethane - DL	900		50000	43400		ug/L		87	60 - 140
Bromoform - DL	950		50000	51700		ug/L		103	60 - 140
Bromomethane - DL	1300		50000	36600		ug/L		73	60 - 140
2-Butanone (MEK) - DL	3800		100000	79400		ug/L		79	60 - 140
Carbon disulfide - DL	1200		50000	39100		ug/L		78	60 - 140
Carbon tetrachloride - DL	750		50000	59200		ug/L		118	60 - 140
Dibromochloromethane - DL	750		50000	54300		ug/L		109	60 - 140
Chlorobenzene - DL	600		50000	50900		ug/L		102	72 - 122
Chloroethane - DL	400		50000	36600		ug/L		73	60 - 140
Chloroform - DL	650		50000	52000		ug/L		104	60 - 140
Chloromethane - DL	900		50000	28400	F	ug/L		57	60 - 140
1,1-Dichloroethane - DL	550		50000	50000		ug/L		100	60 - 140
1,2-Dichloroethane - DL	62000		50000	121000		ug/L		118	60 - 140
1,1-Dichloroethene - DL	950		50000	43700		ug/L		87	22 - 143
trans-1,2-Dichloroethene - DL	1100		50000	42900		ug/L		84	60 - 140
1,2-Dichloropropane - DL	800		50000	46100		ug/L		92	60 - 140
cis-1,3-Dichloropropene - DL	900		50000	48100		ug/L		96	60 - 140
trans-1,3-Dichloropropene - DL	1100		50000	55300		ug/L		111	60 - 140
Ethylbenzene - DL	3900		50000	49200		ug/L		91	60 - 140
2-Hexanone - DL	1800		100000	91200		ug/L		91	60 - 140
Methylene Chloride - DL	750		50000	40000		ug/L		80	60 - 140
4-Methyl-2-pentanone (MIBK) - DL	2300		100000	91700		ug/L		92	60 - 140
Styrene - DL	350		50000	45300		ug/L		91	60 - 140
1,1,2,2-Tetrachloroethane - DL	1100		50000	38500		ug/L		77	60 - 140
Tetrachloroethene - DL	650		50000	56200		ug/L		112	60 - 140
Toluene - DL	750		50000	50300		ug/L		101	76 - 125
1,1,1-Trichloroethane - DL	750		50000	55600		ug/L		111	60 - 140
1,1,2-Trichloroethane - DL	7400		50000	56100		ug/L		97	60 - 140
Trichloroethene - DL	950		50000	53700		ug/L		105	56 - 118
Vinyl acetate - DL	1100		50000	53100		ug/L		106	60 - 140
Vinyl chloride - DL	30000		50000	61400		ug/L		62	60 - 140
o-Xylene - DL	600		50000	51300		ug/L		103	60 - 140
m-Xylene & p-Xylene - DL	9400		100000	95400		ug/L		86	60 - 140
Xylenes, Total - DL	9400		150000	147000		ug/L		92	60 - 140
cis-1,2-Dichloroethene - DL	300		50000	40700		ug/L		81	60 - 140
Bromodichloromethane - DL	800		50000	53200		ug/L		106	60 - 140
1,2-Dichloroethene, Total - DL	1500		100000	83600		ug/L		84	60 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr) - DL	*98*		*70 - 130*
Dibromofluoromethane - DL	*87*		*62 - 130*
4-Bromofluorobenzene - DL	*94*		*67 - 139*
1,2-Dichloroethane-d4 (Surr) - DL	*92*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Lab Sample ID: 600-50264-3 MSD
Matrix: Water
Analysis Batch: 72388

Client Sample ID: MW-71-24-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone - DL	5000		100000	92800		ug/L		93	60 - 140	5	30
Benzene - DL	3900		50000	49700		ug/L		92	65 - 125	2	30
Chlorobromomethane - DL	900		50000	42700		ug/L		85	60 - 140	1	30
Bromoform - DL	950		50000	51700		ug/L		103	60 - 140	0	30
Bromomethane - DL	1300		50000	37000		ug/L		74	60 - 140	1	30
2-Butanone (MEK) - DL	3800		100000	80200		ug/L		80	60 - 140	1	30
Carbon disulfide - DL	1200		50000	39200		ug/L		78	60 - 140	0	30
Carbon tetrachloride - DL	750		50000	59300		ug/L		119	60 - 140	0	30
Dibromochloromethane - DL	750		50000	53200		ug/L		106	60 - 140	2	30
Chlorobenzene - DL	600		50000	49100		ug/L		98	72 - 122	4	30
Chloroethane - DL	400		50000	37900		ug/L		76	60 - 140	3	30
Chloroform - DL	650		50000	49800		ug/L		100	60 - 140	4	30
Chloromethane - DL	900		50000	29000	F	ug/L		58	60 - 140	2	30
1,1-Dichloroethane - DL	550		50000	50200		ug/L		100	60 - 140	0	30
1,2-Dichloroethane - DL	62000		50000	120000		ug/L		116	60 - 140	1	30
1,1-Dichloroethene - DL	950		50000	42900		ug/L		86	22 - 143	2	30
trans-1,2-Dichloroethene - DL	1100		50000	42200		ug/L		82	60 - 140	2	30
1,2-Dichloropropane - DL	800		50000	45500		ug/L		91	60 - 140	1	30
cis-1,3-Dichloropropene - DL	900		50000	47300		ug/L		95	60 - 140	2	30
trans-1,3-Dichloropropene - DL	1100		50000	56100		ug/L		112	60 - 140	1	30
Ethylbenzene - DL	3900		50000	46500		ug/L		85	60 - 140	6	30
2-Hexanone - DL	1800		100000	93700		ug/L		94	60 - 140	3	30
Methylene Chloride - DL	750		50000	40700		ug/L		81	60 - 140	2	30
4-Methyl-2-pentanone (MIBK) - DL	2300		100000	92400		ug/L		92	60 - 140	1	30
Styrene - DL	350		50000	43000		ug/L		86	60 - 140	5	30
1,1,2,2-Tetrachloroethane - DL	1100		50000	38100		ug/L		76	60 - 140	1	30
Tetrachloroethene - DL	650		50000	55300		ug/L		111	60 - 140	2	30
Toluene - DL	750		50000	48400		ug/L		97	76 - 125	4	30
1,1,1-Trichloroethane - DL	750		50000	55200		ug/L		110	60 - 140	1	30
1,1,2-Trichloroethane - DL	7400		50000	55600		ug/L		96	60 - 140	1	30
Trichloroethene - DL	950		50000	53900		ug/L		106	56 - 118	0	30
Vinyl acetate - DL	1100		50000	52500		ug/L		105	60 - 140	1	30
Vinyl chloride - DL	30000		50000	63100		ug/L		66	60 - 140	3	30
o-Xylene - DL	600		50000	49600		ug/L		99	60 - 140	3	30
m-Xylene & p-Xylene - DL	9400		100000	90200		ug/L		81	60 - 140	6	30
Xylenes, Total - DL	9400		150000	140000		ug/L		87	60 - 140	5	30
cis-1,2-Dichloroethene - DL	300		50000	41100		ug/L		82	60 - 140	1	30
Bromodichloromethane - DL	800		50000	52200		ug/L		104	60 - 140	2	30
1,2-Dichloroethene, Total - DL	1500		100000	83300		ug/L		83	60 - 140	0	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr) - DL	*96*		*70 - 130*
Dibromofluoromethane - DL	*89*		*62 - 130*
4-Bromofluorobenzene - DL	*97*		*67 - 139*
1,2-Dichloroethane-d4 (Surr) - DL	*92*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Lab Sample ID: 600-50264-7 MS
Matrix: Water
Analysis Batch: 72584

Client Sample ID: MW-8-24-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone - DL	20		400	373		ug/L		93	60 - 140
Benzene - DL	200		200	385		ug/L		94	65 - 125
Chlorobromomethane - DL	3.6		200	188		ug/L		94	60 - 140
Bromoform - DL	3.8		200	193		ug/L		97	60 - 140
Bromomethane - DL	5.0		200	153		ug/L		77	60 - 140
2-Butanone (MEK) - DL	15		400	333		ug/L		83	60 - 140
Carbon disulfide - DL	4.8		200	183		ug/L		92	60 - 140
Carbon tetrachloride - DL	3.0		200	261		ug/L		130	60 - 140
Dibromochloromethane - DL	3.0		200	214		ug/L		107	60 - 140
Chlorobenzene - DL	48		200	259		ug/L		106	72 - 122
Chloroethane - DL	1.6		200	160		ug/L		80	60 - 140
Chloroform - DL	2.6		200	217		ug/L		109	60 - 140
Chloromethane - DL	3.6		200	110	F	ug/L		55	60 - 140
1,1-Dichloroethane - DL	73		200	288		ug/L		107	60 - 140
1,2-Dichloroethane - DL	23		200	272		ug/L		125	60 - 140
1,1-Dichloroethene - DL	3.8		200	204		ug/L		102	22 - 143
trans-1,2-Dichloroethene - DL	41		200	223		ug/L		91	60 - 140
1,2-Dichloropropane - DL	3.2		200	198		ug/L		99	60 - 140
cis-1,3-Dichloropropene - DL	3.6		200	204		ug/L		102	60 - 140
trans-1,3-Dichloropropene - DL	4.2		200	233		ug/L		117	60 - 140
Ethylbenzene - DL	160		200	435		ug/L		135	60 - 140
2-Hexanone - DL	7.0		400	372		ug/L		93	60 - 140
Methylene Chloride - DL	3.0		200	173		ug/L		86	60 - 140
4-Methyl-2-pentanone (MIBK) - DL	9.0		400	365		ug/L		91	60 - 140
Styrene - DL	18		200	191		ug/L		87	60 - 140
1,1,2,2-Tetrachloroethane - DL	4.4		200	159		ug/L		79	60 - 140
Tetrachloroethene - DL	2.6		200	252		ug/L		126	60 - 140
Toluene - DL	27		200	237		ug/L		105	76 - 125
1,1,1-Trichloroethane - DL	3.0		200	253		ug/L		127	60 - 140
1,1,2-Trichloroethane - DL	5.6		200	201		ug/L		100	60 - 140
Trichloroethene - DL	4.9		200	260	F	ug/L		128	56 - 118
Vinyl acetate - DL	4.2		200	221		ug/L		110	60 - 140
Vinyl chloride - DL	220		200	342		ug/L		60	60 - 140
o-Xylene - DL	3.1		200	220		ug/L		108	60 - 140
m-Xylene & p-Xylene - DL	39		400	402		ug/L		91	60 - 140
Xylenes, Total - DL	42		600	622		ug/L		97	60 - 140
cis-1,2-Dichloroethene - DL	1.2		200	181		ug/L		90	60 - 140
Bromodichloromethane - DL	3.2		200	229		ug/L		114	60 - 140
1,2-Dichloroethene, Total - DL	41		400	404		ug/L		91	60 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr) - DL	*93*		*70 - 130*
Dibromofluoromethane - DL	*85*		*62 - 130*
4-Bromofluorobenzene - DL	*101*		*67 - 139*
1,2-Dichloroethane-d4 (Surr) - DL	*85*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Lab Sample ID: 600-50264-7 MSD
Matrix: Water
Analysis Batch: 72584

Client Sample ID: MW-8-24-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone - DL	20		400	405		ug/L		101	60 - 140	8	30
Benzene - DL	200		200	392		ug/L		98	65 - 125	2	30
Chlorobromomethane - DL	3.6		200	191		ug/L		96	60 - 140	2	30
Bromoform - DL	3.8		200	197		ug/L		99	60 - 140	2	30
Bromomethane - DL	5.0		200	153		ug/L		76	60 - 140	0	30
2-Butanone (MEK) - DL	15		400	352		ug/L		88	60 - 140	5	30
Carbon disulfide - DL	4.8		200	191		ug/L		95	60 - 140	4	30
Carbon tetrachloride - DL	3.0		200	248		ug/L		124	60 - 140	5	30
Dibromochloromethane - DL	3.0		200	224		ug/L		112	60 - 140	4	30
Chlorobenzene - DL	48		200	262		ug/L		107	72 - 122	1	30
Chloroethane - DL	1.6		200	162		ug/L		81	60 - 140	1	30
Chloroform - DL	2.6		200	224		ug/L		112	60 - 140	3	30
Chloromethane - DL	3.6		200	111	F	ug/L		55	60 - 140	0	30
1,1-Dichloroethane - DL	73		200	286		ug/L		106	60 - 140	1	30
1,2-Dichloroethane - DL	23		200	280		ug/L		129	60 - 140	3	30
1,1-Dichloroethene - DL	3.8		200	198		ug/L		99	22 - 143	3	30
trans-1,2-Dichloroethene - DL	41		200	227		ug/L		93	60 - 140	2	30
1,2-Dichloropropane - DL	3.2		200	200		ug/L		100	60 - 140	1	30
cis-1,3-Dichloropropene - DL	3.6		200	213		ug/L		107	60 - 140	4	30
trans-1,3-Dichloropropene - DL	4.2		200	244		ug/L		122	60 - 140	5	30
Ethylbenzene - DL	160		200	451	F	ug/L		143	60 - 140	4	30
2-Hexanone - DL	7.0		400	392		ug/L		98	60 - 140	5	30
Methylene Chloride - DL	3.0		200	175		ug/L		87	60 - 140	1	30
4-Methyl-2-pentanone (MIBK) - DL	9.0		400	393		ug/L		98	60 - 140	7	30
Styrene - DL	18		200	196		ug/L		89	60 - 140	2	30
1,1,2,2-Tetrachloroethane - DL	4.4		200	165		ug/L		83	60 - 140	4	30
Tetrachloroethene - DL	2.6		200	251		ug/L		125	60 - 140	1	30
Toluene - DL	27		200	239		ug/L		106	76 - 125	1	30
1,1,1-Trichloroethane - DL	3.0		200	248		ug/L		124	60 - 140	2	30
1,1,2-Trichloroethane - DL	5.6		200	208		ug/L		104	60 - 140	4	30
Trichloroethene - DL	4.9		200	258	F	ug/L		127	56 - 118	1	30
Vinyl acetate - DL	4.2		200	232		ug/L		116	60 - 140	5	30
Vinyl chloride - DL	220		200	359		ug/L		69	60 - 140	5	30
o-Xylene - DL	3.1		200	222		ug/L		109	60 - 140	1	30
m-Xylene & p-Xylene - DL	39		400	402		ug/L		91	60 - 140	0	30
Xylenes, Total - DL	42		600	624		ug/L		97	60 - 140	0	30
cis-1,2-Dichloroethene - DL	1.2		200	180		ug/L		90	60 - 140	0	30
Bromodichloromethane - DL	3.2		200	231		ug/L		116	60 - 140	1	30
1,2-Dichloroethene, Total - DL	41		400	407		ug/L		92	60 - 140	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr) - DL	*93*		*70 - 130*
Dibromofluoromethane - DL	*85*		*62 - 130*
4-Bromofluorobenzene - DL	*98*		*67 - 139*
1,2-Dichloroethane-d4 (Surr) - DL	*85*		*50 - 134*

QC Association Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-50264-1

GC/MS VOA

Analysis Batch: 72196

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-50264-1	MW-71-PRE24-2	Total/NA	Water	8260B	
600-50264-2	MW-65-PRE24-2	Total/NA	Water	8260B	
600-50264-3	MW-71-24-2	Total/NA	Water	8260B	
600-50264-4	MW-65-24-2	Total/NA	Water	8260B	
600-50264-6	MW-11-Pre24-2	Total/NA	Water	8260B	
600-50264-8	MW-11-24-2	Total/NA	Water	8260B	
600-50264-9	MW-40-Pre24-2	Total/NA	Water	8260B	
600-50264-10	MW-68-Pre24-4	Total/NA	Water	8260B	
600-50264-11	MW-40-24-2	Total/NA	Water	8260B	
600-50264-12	DUP-24-2	Total/NA	Water	8260B	
LCS 600-72196/3	Lab Control Sample	Total/NA	Water	8260B	
MB 600-72196/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 72286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-50264-2 - DL	MW-65-PRE24-2	Total/NA	Water	8260B	
600-50264-2 - DL2	MW-65-PRE24-2	Total/NA	Water	8260B	
600-50264-3 - DL	MW-71-24-2	Total/NA	Water	8260B	
600-50264-5	MW-8-Pre24-2	Total/NA	Water	8260B	
600-50264-7	MW-8-24-2	Total/NA	Water	8260B	
LCS 600-72286/3	Lab Control Sample	Total/NA	Water	8260B	
MB 600-72286/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 72388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-50264-3 - DL	MW-71-24-2	Total/NA	Water	8260B	
600-50264-3 MS - DL	MW-71-24-2	Total/NA	Water	8260B	
600-50264-3 MSD - DL	MW-71-24-2	Total/NA	Water	8260B	
600-50264-4 - DL	MW-65-24-2	Total/NA	Water	8260B	
600-50264-4 - DL2	MW-65-24-2	Total/NA	Water	8260B	
600-50264-15	MW-4-PRE24-2	Total/NA	Water	8260B	
600-50264-15 - DL	MW-4-PRE24-2	Total/NA	Water	8260B	
600-50264-16	MW-66-PRE24-2	Total/NA	Water	8260B	
600-50264-16 - DL	MW-66-PRE24-2	Total/NA	Water	8260B	
600-50264-17	MW-68-24-2	Total/NA	Water	8260B	
600-50264-17 - DL	MW-68-24-2	Total/NA	Water	8260B	
600-50264-18	MW-66-24-2	Total/NA	Water	8260B	
600-50264-18 - DL	MW-66-24-2	Total/NA	Water	8260B	
600-50264-19	MW-4-24-2	Total/NA	Water	8260B	
600-50264-19 - DL	MW-4-24-2	Total/NA	Water	8260B	
LCS 600-72388/4	Lab Control Sample	Total/NA	Water	8260B	
MB 600-72388/5	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 72584

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-50264-1 - DL	MW-71-PRE24-2	Total/NA	Water	8260B	
600-50264-6 - DL	MW-11-Pre24-2	Total/NA	Water	8260B	
600-50264-7 - DL	MW-8-24-2	Total/NA	Water	8260B	
600-50264-7 MS - DL	MW-8-24-2	Total/NA	Water	8260B	
600-50264-7 MSD - DL	MW-8-24-2	Total/NA	Water	8260B	
600-50264-8 - DL	MW-11-24-2	Total/NA	Water	8260B	
600-50264-9 - DL	MW-40-Pre24-2	Total/NA	Water	8260B	

GC/MS VOA (Continued)

Analysis Batch: 72584 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-50264-10 - DL	MW-68-Pre24-4	Total/NA	Water	8260B	
600-50264-11 - DL	MW-40-24-2	Total/NA	Water	8260B	
600-50264-12 - DL	DUP-24-2	Total/NA	Water	8260B	
600-50264-19	MW-4-24-2	Total/NA	Water	8260B	
LCS 600-72584/3	Lab Control Sample	Total/NA	Water	8260B	
MB 600-72584/4	Method Blank	Total/NA	Water	8260B	

Lab Chronicle

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-50264-1

Client Sample ID: MW-71-PRE24-2

Lab Sample ID: 600-50264-1

Date Collected: 02/08/12 09:50

Matrix: Water

Date Received: 02/09/12 14:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		50	72196	02/11/12 14:29	DT	TAL HOU
Total/NA	Analysis	8260B	DL	2000	72584	02/16/12 12:27	DT	TAL HOU

Client Sample ID: MW-65-PRE24-2

Lab Sample ID: 600-50264-2

Date Collected: 02/08/12 10:05

Matrix: Water

Date Received: 02/09/12 14:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		50	72196	02/11/12 14:55	DT	TAL HOU
Total/NA	Analysis	8260B	DL	500	72286	02/14/12 19:08	DT	TAL HOU
Total/NA	Analysis	8260B	DL2	20000	72286	02/14/12 20:04	DT	TAL HOU

Client Sample ID: MW-71-24-2

Lab Sample ID: 600-50264-3

Date Collected: 02/08/12 10:55

Matrix: Water

Date Received: 02/09/12 14:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		50	72196	02/11/12 15:21	DT	TAL HOU
Total/NA	Analysis	8260B	DL	1000	72286	02/14/12 19:36	DT	TAL HOU
Total/NA	Analysis	8260B	DL	5000	72388	02/15/12 14:44	DT	TAL HOU

Client Sample ID: MW-65-24-2

Lab Sample ID: 600-50264-4

Date Collected: 02/08/12 11:10

Matrix: Water

Date Received: 02/09/12 14:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		50	72196	02/11/12 15:47	DT	TAL HOU
Total/NA	Analysis	8260B	DL	1000	72388	02/15/12 16:09	DT	TAL HOU
Total/NA	Analysis	8260B	DL2	10000	72388	02/15/12 18:59	DT	TAL HOU

Client Sample ID: MW-8-Pre24-2

Lab Sample ID: 600-50264-5

Date Collected: 02/08/12 12:55

Matrix: Water

Date Received: 02/09/12 14:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	72286	02/14/12 17:11	DT	TAL HOU

Client Sample ID: MW-11-Pre24-2 — Lab Sample ID: 600-50264-6

Date Collected: 02/08/12 13:10 — **Matrix: Water**
Date Received: 02/09/12 14:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		50	72196	02/11/12 16:40	DT	TAL HOU
Total/NA	Analysis	8260B	DL	1000	72584	02/16/12 13:24	DT	TAL HOU

Client Sample ID: MW-8-24-2 — Lab Sample ID: 600-50264-7

Date Collected: 02/08/12 14:00 — **Matrix: Water**
Date Received: 02/09/12 14:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	72286	02/14/12 17:39	DT	TAL HOU
Total/NA	Analysis	8260B	DL	20	72584	02/16/12 11:59	DT	TAL HOU

Client Sample ID: MW-11-24-2 — Lab Sample ID: 600-50264-8

Date Collected: 02/08/12 14:10 — **Matrix: Water**
Date Received: 02/09/12 14:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		50	72196	02/11/12 17:32	DT	TAL HOU
Total/NA	Analysis	8260B	DL	1000	72584	02/16/12 13:52	DT	TAL HOU

Client Sample ID: MW-40-Pre24-2 — Lab Sample ID: 600-50264-9

Date Collected: 02/08/12 14:35 — **Matrix: Water**
Date Received: 02/09/12 14:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		50	72196	02/11/12 17:59	DT	TAL HOU
Total/NA	Analysis	8260B	DL	500	72584	02/16/12 14:20	DT	TAL HOU

Client Sample ID: MW-68-Pre24-4 — Lab Sample ID: 600-50264-10

Date Collected: 02/08/12 14:45 — **Matrix: Water**
Date Received: 02/09/12 14:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		50	72196	02/11/12 18:25	DT	TAL HOU
Total/NA	Analysis	8260B	DL	1000	72584	02/16/12 14:48	DT	TAL HOU

Client Sample ID: MW-40-24-2 — Lab Sample ID: 600-50264-11

Date Collected: 02/08/12 15:35 — **Matrix: Water**
Date Received: 02/09/12 14:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		50	72196	02/11/12 18:51	DT	TAL HOU
Total/NA	Analysis	8260B	DL	500	72584	02/16/12 15:16	DT	TAL HOU

Lab Chronicle

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-50264-1

Client Sample ID: DUP-24-2 — Lab Sample ID: 600-50264-12

Date Collected: 02/08/12 00:00 — **Matrix: Water**
Date Received: 02/09/12 14:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		50	72196	02/11/12 19:18	DT	TAL HOU
Total/NA	Analysis	8260B	DL	1000	72584	02/16/12 15:45	DT	TAL HOU

Client Sample ID: MW-4-PRE24-2 — Lab Sample ID: 600-50264-15

Date Collected: 02/08/12 16:10 — **Matrix: Water**
Date Received: 02/09/12 14:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		500	72388	02/15/12 16:38	DT	TAL HOU
Total/NA	Analysis	8260B	DL	10000	72388	02/15/12 19:28	DT	TAL HOU

Client Sample ID: MW-66-PRE24-2 — Lab Sample ID: 600-50264-16

Date Collected: 02/08/12 16:00 — **Matrix: Water**
Date Received: 02/09/12 14:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		500	72388	02/15/12 17:06	DT	TAL HOU
Total/NA	Analysis	8260B	DL	10000	72388	02/15/12 19:56	DT	TAL HOU

Client Sample ID: MW-68-24-2 — Lab Sample ID: 600-50264-17

Date Collected: 02/08/12 15:45 — **Matrix: Water**
Date Received: 02/09/12 14:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	72388	02/15/12 15:41	DT	TAL HOU
Total/NA	Analysis	8260B	DL	500	72388	02/15/12 18:31	DT	TAL HOU

Client Sample ID: MW-66-24-2 — Lab Sample ID: 600-50264-18

Date Collected: 02/08/12 17:00 — **Matrix: Water**
Date Received: 02/09/12 14:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		500	72388	02/15/12 17:34	DT	TAL HOU
Total/NA	Analysis	8260B	DL	10000	72388	02/15/12 20:25	DT	TAL HOU

Client Sample ID: MW-4-24-2 — Lab Sample ID: 600-50264-19

Date Collected: 02/08/12 17:10 — **Matrix: Water**
Date Received: 02/09/12 14:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		500	72388	02/15/12 18:03	DT	TAL HOU
Total/NA	Analysis	8260B	DL	10000	72388	02/15/12 20:53	DT	TAL HOU
Total/NA	Analysis	8260B		500	72584	02/16/12 12:56	DT	TAL HOU

Lab Chronicle

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-50264-1

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Certification Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-50264-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Houston	Arkansas	State Program	6	88-0759
TestAmerica Houston	Louisiana	NELAC	6	30643
TestAmerica Houston	Oklahoma	State Program	6	9503
TestAmerica Houston	Texas	NELAC	6	T104704223-10-6-TX
TestAmerica Houston	USDA	USDA		P330-08-00217
TestAmerica Houston	Utah	NELAC	8	GULF

Accreditation may not be offered or required for all methods and analytes reported in this package . Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-50264-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL HOU

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Sample Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-50264-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
600-50264-1	MW-71-PRE24-2	Water	02/08/12 09:50	02/09/12 14:52
600-50264-2	MW-65-PRE24-2	Water	02/08/12 10:05	02/09/12 14:52
600-50264-3	MW-71-24-2	Water	02/08/12 10:55	02/09/12 14:52
600-50264-4	MW-65-24-2	Water	02/08/12 11:10	02/09/12 14:52
600-50264-5	MW-8-Pre24-2	Water	02/08/12 12:55	02/09/12 14:52
600-50264-6	MW-11-Pre24-2	Water	02/08/12 13:10	02/09/12 14:52
600-50264-7	MW-8-24-2	Water	02/08/12 14:00	02/09/12 14:52
600-50264-8	MW-11-24-2	Water	02/08/12 14:10	02/09/12 14:52
600-50264-9	MW-40-Pre24-2	Water	02/08/12 14:35	02/09/12 14:52
600-50264-10	MW-68-Pre24-4	Water	02/08/12 14:45	02/09/12 14:52
600-50264-11	MW-40-24-2	Water	02/08/12 15:35	02/09/12 14:52
600-50264-12	DUP-24-2	Water	02/08/12 00:00	02/09/12 14:52
600-50264-15	MW-4-PRE24-2	Water	02/08/12 16:10	02/09/12 14:52
600-50264-16	MW-66-PRE24-2	Water	02/08/12 16:00	02/09/12 14:52
600-50264-17	MW-68-24-2	Water	02/08/12 15:45	02/09/12 14:52
600-50264-18	MW-66-24-2	Water	02/08/12 17:00	02/09/12 14:52
600-50264-19	MW-4-24-2	Water	02/08/12 17:10	02/09/12 14:52

TestAmerica Houston
10310 Rothway Street
Houston, TX 77040
Phone (713) 690-4444 Fax (713) 690-5646

Chain of Custody Record

(1)

Loc: 600
50264

COC No: ~~600-12747-6404.1~~
Page: Page 1 of 2
Job #: G-3460

Client Information

Client Contact: ~~Mr. Roger Pokludo~~ KATE HAMEL TOM MCHUGH
Company: Groundwater Services, Inc.
Address: 2211 Norfolk, Suite 1000
City: Houston
State, Zip: TX, 77098-4044
Phone: 713-522-6300(Tel)
Email: ~~rpokludo@gsi-net.com~~ kch@gsi-net.com tem@gsi-net.com
Project Name: ~~MOTCO- LTRA-66-J~~ G-3460
Site: ~~MOTCO- G-3635~~ N-80

Sampler: KCH
Phone:
Lab PM: Kudchadkar, Sachin G
E-Mail: sachin.kudchadkar@testamericainc.com
Carrier #:

Due Date Requested:
TAT Requested (days): STANDARD.
PO #:
WO #:
Project #: ~~60001660~~ G-3460
SSOW#:

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B_LL ~~+1,2,4-Trichlorobenzene~~ SELECT LIST	~~8270C_SIM_bis(2-chloroethyl)ether~~	Total Number of containers	Special Instructions/Note:
Preservation Code:							A	N		
MW-71-PRE24-2 ~~LTRA-66-J~~	8FEB12	950	G	Water			X	✓		SELECT LIST VOCS!
MW-65-PRE24-2		1005					✓			
MW-71-24-2		1055					✓			
MW-65-24-2		1110					✓			
MW-8-PRE24-2		1255					✓			
MW-11-PRE24-2		1310					✓			
MW-8-24-2		1400					✓			
MW-11-24-2		1410					✓			
MW-40-PRE24-2		1435					✓			
MW-68-PRE24-2		1445					✓			
MW-40-24-2		1535					✓			

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☑ Disposal By Lab ☐ Archive For ____ Months

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Special Instructions/QC Requirements: STANDARD

Deliverable Requested: I, II, III, IV, Other (specify) LEVEL II

Date: Time: Method of Shipment:

Empty Kit Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by: A Reaves	2-9-12 1:38PM		[illegible]	2-9-12 13:38	
Relinquished by: [illegible]	2-9-12 1145		[illegible]	2/9/12 1452	
Relinquished by:	Date/Time:		Received by:	Date/Time:	Company

Cooler Temperature(s) °C and Other Remarks:

Custody Seals Intact: ☐ Yes ☐ No
Custody Seal No.:

Chain of Custody Record

2

Client Information

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Total Silica	Perform MS/MSD (Yes or No)	Total Number of containers	Special Instructions/Notes
MW-66-24-2	8FEB12	1545	G		Y		
MW-66-PRE24-2		1600			Y		
MW-4-PRE24-2		1610			Y		
MW-66-24-2		1700			Y		
MW-4-24-2		1710			Y		
DUP-24-2		—			Y		
TRIP BLANK							

Possible Hazard Identification

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Login Sample Receipt Checklist

Client: Groundwater Services, Inc.

Job Number: 600-50264-1

Login Number: 50264

List Source: TestAmerica Houston

List Number: 1

Creator: Capps, Dana

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	4.1
Cooler Temperature is recorded.	True	545
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Tel: (713)690-4444

TestAmerica Job ID: 600-49053-1
Client Project/Site: G-3460 N-80
Revision: 1

For:
Groundwater Services, Inc.
2211 Norfolk, Suite 1000
Houston, Texas 77098-4044

Attn: Ms. Kate Hamel

Authorized for release by:
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Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-49053-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F	MS or MSD exceeds the control limits
*	LCS or LCSD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 600-49053-1

Laboratory: TestAmerica Houston

Narrative

Job Narrative
600-49053-1

Comments
The report was revised on 03/21/12 to correct the results for 1,1 Dichloroethane for samples MW-4-PRELF-2, MW-4-LF-2 and MW-66-LF-2.

Initial results were reported as ND for 1,1 DCA but upon further review it was found the the samples had a reprtable value for 1,1-DCA.

Receipt
The container label for the following sample(s) did not match the information listed on the Chain-of-Custody (COC): On the COC for sample number 16, it states "MW-LF-2". But the bottle for sample number 16 is marked as: "MW-4-LF-2".

All other samples were received in good condition within temperature requirements.

GC/MS VOA
Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries associated with batch 71120 were outside control limits: (600-49081-41 MS), (600-49081-41 MSD). Matrix interference is suspected.

Method(s) 8260B: The following sample(s) was diluted due to the abundance of target analytes: MW-11-LF-2 (600-49053-6), MW-11-PRELF-2 (600-49053-5), MW-40-LF-2 (600-49053-8), MW-40-PRELF-2 (600-49053-7), MW-65-LF-2 (600-49053-12), MW-65-PRELF-2 (600-49053-11), MW-68-PRELF-2 (600-49053-13), MW-71-LF-2 (600-49053-2), MW-71-PRELF-2 (600-49053-1), MW-8-LF-2 (600-49053-4), MW-8-PRELF-2 (600-49053-3). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The following sample(s) was diluted due to the abundance of target analytes: MW-66-LF-2 (600-49053-10). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The following sample(s) was diluted due to the abundance of target analytes: MW-66-PRELF-2 (600-49053-9). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries associated with batch 71121 were outside control limits: (600-49081-42 MS), (600-49081-42 MSD). Matrix interference is suspected.

Method(s) 8260B: A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for 5 analytes to recover outside criteria for this method when a full list spike is utilized. The LCS associated with batch 71183 had 1 analyte outside control limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries associated with batch 71183 were outside control limits: (600-49053-1 MS), (600-49053-1 MSD). Matrix interference is suspected.

Method(s) 8260B: The following sample(s) was diluted due to the abundance of target analytes: MW-40-LF-2 (600-49053-8), MW-8-LF-2 (600-49053-4), MW-8-PRELF-2 (600-49053-3). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries associated with batch 71238 were outside control limits: (600-49053-15 MSD). Matrix interference is suspected.

No other analytical or quality issues were noted.

Detection Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-49053-1

Client Sample ID: MW-71-PRELF-2 — Lab Sample ID: 600-49053-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	2800		250	50	ug/L	50		8260B	Total/NA
Carbon disulfide	12	J	100	12	ug/L	50		8260B	Total/NA
Chlorobenzene	120		50	6.0	ug/L	50		8260B	Total/NA
1,1-Dichloroethane	870		50	5.5	ug/L	50		8260B	Total/NA
1,1-Dichloroethene	570		50	9.5	ug/L	50		8260B	Total/NA
trans-1,2-Dichloroethene	1200		50	4.5	ug/L	50		8260B	Total/NA
Ethylbenzene	680		50	5.5	ug/L	50		8260B	Total/NA
Methylene Chloride	59	J	250	7.5	ug/L	50		8260B	Total/NA
Tetrachloroethene	26	J	50	6.5	ug/L	50		8260B	Total/NA
Toluene	110		50	7.5	ug/L	50		8260B	Total/NA
Trichloroethene	110		50	9.0	ug/L	50		8260B	Total/NA
m-Xylene & p-Xylene	18	J	50	8.5	ug/L	50		8260B	Total/NA
Xylenes, Total	18	J	50	13	ug/L	50		8260B	Total/NA
cis-1,2-Dichloroethene	660		50	3.0	ug/L	50		8260B	Total/NA
1,2-Dichloroethene, Total	1900		50	15	ug/L	50		8260B	Total/NA
Benzene - DL	3500		500	40	ug/L	500		8260B	Total/NA
1,1,2-Trichloroethane - DL	6600		500	140	ug/L	500		8260B	Total/NA
1,2-Dichloroethane - DL2	51000		5000	700	ug/L	5000		8260B	Total/NA
Vinyl chloride - DL2	48000		10000	550	ug/L	5000		8260B	Total/NA

Client Sample ID: MW-71-LF-2 — Lab Sample ID: 600-49053-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3400		250	50	ug/L	50		8260B	Total/NA
Chlorobenzene	120		50	6.0	ug/L	50		8260B	Total/NA
1,1-Dichloroethane	870		50	5.5	ug/L	50		8260B	Total/NA
1,1-Dichloroethene	550		50	9.5	ug/L	50		8260B	Total/NA
trans-1,2-Dichloroethene	1200		50	4.5	ug/L	50		8260B	Total/NA
Ethylbenzene	690		50	5.5	ug/L	50		8260B	Total/NA
Methylene Chloride	43	J	250	7.5	ug/L	50		8260B	Total/NA
Tetrachloroethene	22	J	50	6.5	ug/L	50		8260B	Total/NA
Toluene	110		50	7.5	ug/L	50		8260B	Total/NA
Trichloroethene	120		50	9.0	ug/L	50		8260B	Total/NA
m-Xylene & p-Xylene	14	J	50	8.5	ug/L	50		8260B	Total/NA
Xylenes, Total	14	J	50	13	ug/L	50		8260B	Total/NA
cis-1,2-Dichloroethene	670		50	3.0	ug/L	50		8260B	Total/NA
1,2-Dichloroethene, Total	1900		50	15	ug/L	50		8260B	Total/NA
Benzene - DL	3800		500	40	ug/L	500		8260B	Total/NA
1,1,2-Trichloroethane - DL	8000		500	140	ug/L	500		8260B	Total/NA
1,2-Dichloroethane - DL2	58000		5000	700	ug/L	5000		8260B	Total/NA
Vinyl chloride - DL2	49000		10000	550	ug/L	5000		8260B	Total/NA

Client Sample ID: MW-8-PRELF-2 — Lab Sample ID: 600-49053-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	280		50	9.9	ug/L	10		8260B	Total/NA
Carbon disulfide	8.6	J	20	2.4	ug/L	10		8260B	Total/NA
Chlorobenzene	130		10	1.2	ug/L	10		8260B	Total/NA
1,1-Dichloroethane	360		10	1.1	ug/L	10		8260B	Total/NA
1,1-Dichloroethene	7.8	J	10	1.9	ug/L	10		8260B	Total/NA
trans-1,2-Dichloroethene	160		10	0.90	ug/L	10		8260B	Total/NA
Ethylbenzene	270		10	1.1	ug/L	10		8260B	Total/NA
Toluene	55		10	1.5	ug/L	10		8260B	Total/NA
Trichloroethene	15		10	1.8	ug/L	10		8260B	Total/NA

Client Sample ID: MW-8-PRELF-2 (Continued) — Lab Sample ID: 600-49053-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
o-Xylene	6.9	J	10	1.2	ug/L	10		8260B	Total/NA
m-Xylene & p-Xylene	9.0	J	10	1.7	ug/L	10		8260B	Total/NA
Xylenes, Total	16		10	2.6	ug/L	10		8260B	Total/NA
cis-1,2-Dichloroethene	28		10	0.60	ug/L	10		8260B	Total/NA
1,2-Dichloroethene, Total	190		10	3.0	ug/L	10		8260B	Total/NA
Benzene - DL	640		50	4.0	ug/L	50		8260B	Total/NA
2-Butanone (MEK) - DL	1200		100	38	ug/L	50		8260B	Total/NA
Vinyl chloride - DL	1300		100	5.5	ug/L	50		8260B	Total/NA

Client Sample ID: MW-8-LF-2 — Lab Sample ID: 600-49053-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	60		50	9.9	ug/L	10		8260B	Total/NA
Chlorobenzene	85		10	1.2	ug/L	10		8260B	Total/NA
1,1-Dichloroethane	210		10	1.1	ug/L	10		8260B	Total/NA
1,1-Dichloroethene	11		10	1.9	ug/L	10		8260B	Total/NA
trans-1,2-Dichloroethene	140		10	0.90	ug/L	10		8260B	Total/NA
Ethylbenzene	410		10	1.1	ug/L	10		8260B	Total/NA
Toluene	63		10	1.5	ug/L	10		8260B	Total/NA
Trichloroethene	5.1	J	10	1.8	ug/L	10		8260B	Total/NA
o-Xylene	6.5	J	10	1.2	ug/L	10		8260B	Total/NA
m-Xylene & p-Xylene	13		10	1.7	ug/L	10		8260B	Total/NA
Xylenes, Total	20		10	2.6	ug/L	10		8260B	Total/NA
cis-1,2-Dichloroethene	15		10	0.60	ug/L	10		8260B	Total/NA
1,2-Dichloroethene, Total	160		10	3.0	ug/L	10		8260B	Total/NA
Benzene - DL	620		50	4.0	ug/L	50		8260B	Total/NA
Vinyl chloride - DL	2000		100	5.5	ug/L	50		8260B	Total/NA

Client Sample ID: MW-11-PRELF-2 — Lab Sample ID: 600-49053-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	120		50	4.0	ug/L	50		8260B	Total/NA
Chlorobenzene	220		50	6.0	ug/L	50		8260B	Total/NA
1,1-Dichloroethane	880		50	5.5	ug/L	50		8260B	Total/NA
1,2-Dichloroethane	140		50	7.0	ug/L	50		8260B	Total/NA
1,1-Dichloroethene	52		50	9.5	ug/L	50		8260B	Total/NA
trans-1,2-Dichloroethene	470		50	4.5	ug/L	50		8260B	Total/NA
Ethylbenzene	27	J	50	5.5	ug/L	50		8260B	Total/NA
Trichloroethene	140		50	9.0	ug/L	50		8260B	Total/NA
cis-1,2-Dichloroethene	810		50	3.0	ug/L	50		8260B	Total/NA
1,2-Dichloroethene, Total	1300		50	15	ug/L	50		8260B	Total/NA
Vinyl chloride - DL	8900		2000	110	ug/L	1000		8260B	Total/NA

Client Sample ID: MW-11-LF-2 — Lab Sample ID: 600-49053-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	120		50	4.0	ug/L	50		8260B	Total/NA
Chlorobenzene	240		50	6.0	ug/L	50		8260B	Total/NA
1,1-Dichloroethane	950		50	5.5	ug/L	50		8260B	Total/NA
1,2-Dichloroethane	110		50	7.0	ug/L	50		8260B	Total/NA
1,1-Dichloroethene	46	J	50	9.5	ug/L	50		8260B	Total/NA
trans-1,2-Dichloroethene	490		50	4.5	ug/L	50		8260B	Total/NA
Ethylbenzene	19	J	50	5.5	ug/L	50		8260B	Total/NA
Trichloroethene	160		50	9.0	ug/L	50		8260B	Total/NA

Client Sample ID: MW-11-LF-2 (Continued) — Lab Sample ID: 600-49053-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	880		50	3.0	ug/L	50		8260B	Total/NA
1,2-Dichloroethene, Total	1400		50	15	ug/L	50		8260B	Total/NA
Vinyl chloride - DL	9600		2000	110	ug/L	1000		8260B	Total/NA

Client Sample ID: MW-40-PRELF-2 — Lab Sample ID: 600-49053-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	33		10	0.80	ug/L	10		8260B	Total/NA
Chlorobenzene	61		10	1.2	ug/L	10		8260B	Total/NA
1,1-Dichloroethane	150		10	1.1	ug/L	10		8260B	Total/NA
1,2-Dichloroethane	19		10	1.4	ug/L	10		8260B	Total/NA
Ethylbenzene	16		10	1.1	ug/L	10		8260B	Total/NA
Vinyl chloride - DL	570		100	5.5	ug/L	50		8260B	Total/NA

Client Sample ID: MW-40-LF-2 — Lab Sample ID: 600-49053-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	68		10	0.80	ug/L	10		8260B	Total/NA
Chlorobenzene	170		10	1.2	ug/L	10		8260B	Total/NA
1,1-Dichloroethane	300		10	1.1	ug/L	10		8260B	Total/NA
trans-1,2-Dichloroethene	4.4	J	10	0.90	ug/L	10		8260B	Total/NA
Ethylbenzene	55		10	1.1	ug/L	10		8260B	Total/NA
m-Xylene & p-Xylene	45		10	1.7	ug/L	10		8260B	Total/NA
Xylenes, Total	45		10	2.6	ug/L	10		8260B	Total/NA
1,2-Dichloroethene, Total	4.4	J	10	3.0	ug/L	10		8260B	Total/NA
Vinyl chloride - DL	2100		100	5.5	ug/L	50		8260B	Total/NA

Client Sample ID: MW-66-PRELF-2 — Lab Sample ID: 600-49053-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	740		50	6.0	ug/L	50		8260B	Total/NA
1,1-Dichloroethene	1700		50	9.5	ug/L	50		8260B	Total/NA
Ethylbenzene	1900		50	5.5	ug/L	50		8260B	Total/NA
Methylene Chloride	230	J	250	7.5	ug/L	50		8260B	Total/NA
Styrene	390		50	3.5	ug/L	50		8260B	Total/NA
Tetrachloroethene	93		50	6.5	ug/L	50		8260B	Total/NA
Toluene	1000		50	7.5	ug/L	50		8260B	Total/NA
Trichloroethene	630		50	9.0	ug/L	50		8260B	Total/NA
Benzene - DL	4000		500	40	ug/L	500		8260B	Total/NA
1,1-Dichloroethane - DL	2600		500	55	ug/L	500		8260B	Total/NA
trans-1,2-Dichloroethene - DL	2900		500	45	ug/L	500		8260B	Total/NA
cis-1,2-Dichloroethene - DL	1300		500	30	ug/L	500		8260B	Total/NA
1,2-Dichloroethene, Total - DL	4200		500	150	ug/L	500		8260B	Total/NA
1,2-Dichloroethane - DL2	130000		10000	1400	ug/L	10000		8260B	Total/NA
1,1,2-Trichloroethane - DL2	37000		10000	2800	ug/L	10000		8260B	Total/NA
Vinyl chloride - DL2	77000		20000	1100	ug/L	10000		8260B	Total/NA

Client Sample ID: MW-66-LF-2 — Lab Sample ID: 600-49053-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	850		50	6.0	ug/L	50		8260B	Total/NA
1,1-Dichloroethene	1800		50	9.5	ug/L	50		8260B	Total/NA
Ethylbenzene	2200		50	5.5	ug/L	50		8260B	Total/NA
Methylene Chloride	230	J	250	7.5	ug/L	50		8260B	Total/NA

Client Sample ID: MW-66-LF-2 (Continued) — Lab Sample ID: 600-49053-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Styrene	450		50	3.5	ug/L	50		8260B	Total/NA
Tetrachloroethene	110		50	6.5	ug/L	50		8260B	Total/NA
Toluene	1200		50	7.5	ug/L	50		8260B	Total/NA
Trichloroethene	740		50	9.0	ug/L	50		8260B	Total/NA
o-Xylene	13	J	50	6.0	ug/L	50		8260B	Total/NA
m-Xylene & p-Xylene	46	J	50	8.5	ug/L	50		8260B	Total/NA
Xylenes, Total	59		50	13	ug/L	50		8260B	Total/NA
Benzene - DL	4400		500	40	ug/L	500		8260B	Total/NA
1,1-Dichloroethane - DL	2900		500	55	ug/L	500		8260B	Total/NA
trans-1,2-Dichloroethene - DL	3300		500	45	ug/L	500		8260B	Total/NA
cis-1,2-Dichloroethene - DL	1500		500	30	ug/L	500		8260B	Total/NA
1,2-Dichloroethene, Total - DL	4800		500	150	ug/L	500		8260B	Total/NA
1,2-Dichloroethane - DL2	150000		10000	1400	ug/L	10000		8260B	Total/NA
1,1,2-Trichloroethane - DL2	53000		10000	2800	ug/L	10000		8260B	Total/NA
Vinyl chloride - DL2	96000		20000	1100	ug/L	10000		8260B	Total/NA

Client Sample ID: MW-65-PRELF-2 — Lab Sample ID: 600-49053-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	1400		50	6.0	ug/L	50		8260B	Total/NA
Ethylbenzene	1100		50	5.5	ug/L	50		8260B	Total/NA
Styrene	43	J	50	3.5	ug/L	50		8260B	Total/NA
Tetrachloroethene	210		50	6.5	ug/L	50		8260B	Total/NA
Toluene	320		50	7.5	ug/L	50		8260B	Total/NA
1,1,2-Trichloroethane	340		50	14	ug/L	50		8260B	Total/NA
Trichloroethene	940		50	9.0	ug/L	50		8260B	Total/NA
o-Xylene	32	J	50	6.0	ug/L	50		8260B	Total/NA
m-Xylene & p-Xylene	77		50	8.5	ug/L	50		8260B	Total/NA
Xylenes, Total	110		50	13	ug/L	50		8260B	Total/NA
Benzene - DL	4600		500	40	ug/L	500		8260B	Total/NA
1,1-Dichloroethane - DL	3500		500	55	ug/L	500		8260B	Total/NA
1,1-Dichloroethene - DL	2600		500	95	ug/L	500		8260B	Total/NA
trans-1,2-Dichloroethene - DL	6500		500	45	ug/L	500		8260B	Total/NA
cis-1,2-Dichloroethene - DL	1200		500	30	ug/L	500		8260B	Total/NA
1,2-Dichloroethene, Total - DL	7700		500	150	ug/L	500		8260B	Total/NA
Vinyl chloride - DL2	220000		20000	1100	ug/L	10000		8260B	Total/NA

Client Sample ID: MW-65-LF-2 — Lab Sample ID: 600-49053-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	4200		200	16	ug/L	200		8260B	Total/NA
Chlorobenzene	1300		200	24	ug/L	200		8260B	Total/NA
1,1-Dichloroethane	3300		200	22	ug/L	200		8260B	Total/NA
1,1-Dichloroethene	1400		200	38	ug/L	200		8260B	Total/NA
trans-1,2-Dichloroethene	5700		200	18	ug/L	200		8260B	Total/NA
Ethylbenzene	1200		200	22	ug/L	200		8260B	Total/NA
Tetrachloroethene	130	J	200	26	ug/L	200		8260B	Total/NA
Toluene	310		200	30	ug/L	200		8260B	Total/NA
Trichloroethene	510		200	36	ug/L	200		8260B	Total/NA
o-Xylene	46	J	200	24	ug/L	200		8260B	Total/NA
m-Xylene & p-Xylene	98	J	200	34	ug/L	200		8260B	Total/NA
Xylenes, Total	140	J	200	52	ug/L	200		8260B	Total/NA
cis-1,2-Dichloroethene	810		200	12	ug/L	200		8260B	Total/NA
1,2-Dichloroethene, Total	6500		200	60	ug/L	200		8260B	Total/NA

Client Sample ID: MW-65-LF-2 (Continued) — Lab Sample ID: 600-49053-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride - DL	260000		40000	2200	ug/L	20000		8260B	Total/NA

Client Sample ID: MW-68-PRELF-2 — Lab Sample ID: 600-49053-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	120		50	4.0	ug/L	50		8260B	Total/NA
1,1-Dichloroethane	160		50	5.5	ug/L	50		8260B	Total/NA
1,2-Dichloroethane	180		50	7.0	ug/L	50		8260B	Total/NA
trans-1,2-Dichloroethene	340		50	4.5	ug/L	50		8260B	Total/NA
Ethylbenzene	200		50	5.5	ug/L	50		8260B	Total/NA
Toluene	31	J	50	7.5	ug/L	50		8260B	Total/NA
1,2-Dichloroethene, Total	340		50	15	ug/L	50		8260B	Total/NA
Vinyl chloride - DL	7100		2000	110	ug/L	1000		8260B	Total/NA

Client Sample ID: MW-68-LF-2 — Lab Sample ID: 600-49053-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	110		50	4.0	ug/L	50		8260B	Total/NA
Chlorobenzene	47	J	50	6.0	ug/L	50		8260B	Total/NA
Chloromethane	58	J	100	9.0	ug/L	50		8260B	Total/NA
1,1-Dichloroethane	150		50	5.5	ug/L	50		8260B	Total/NA
1,2-Dichloroethane	40	J	50	7.0	ug/L	50		8260B	Total/NA
trans-1,2-Dichloroethene	360		50	4.5	ug/L	50		8260B	Total/NA
Ethylbenzene	200		50	5.5	ug/L	50		8260B	Total/NA
Toluene	39	J	50	7.5	ug/L	50		8260B	Total/NA
m-Xylene & p-Xylene	190		50	8.5	ug/L	50		8260B	Total/NA
Xylenes, Total	190		50	13	ug/L	50		8260B	Total/NA
1,2-Dichloroethene, Total	360		50	15	ug/L	50		8260B	Total/NA
Vinyl chloride - DL	5000		500	28	ug/L	250		8260B	Total/NA

Client Sample ID: MW-4-PRELF-2 — Lab Sample ID: 600-49053-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	840		50	6.0	ug/L	50		8260B	Total/NA
Ethylbenzene	610		50	5.5	ug/L	50		8260B	Total/NA
Styrene	11	J	50	3.5	ug/L	50		8260B	Total/NA
Tetrachloroethene	310		50	6.5	ug/L	50		8260B	Total/NA
Toluene	200		50	7.5	ug/L	50		8260B	Total/NA
Trichloroethene	1600		50	9.0	ug/L	50		8260B	Total/NA
o-Xylene	19	J	50	6.0	ug/L	50		8260B	Total/NA
m-Xylene & p-Xylene	130		50	8.5	ug/L	50		8260B	Total/NA
Xylenes, Total	150		50	13	ug/L	50		8260B	Total/NA
Benzene - DL	4700		1000	80	ug/L	1000		8260B	Total/NA
1,1-Dichloroethane - DL	4700		1000	110	ug/L	1000		8260B	Total/NA
1,1-Dichloroethene - DL	10000		1000	190	ug/L	1000		8260B	Total/NA
trans-1,2-Dichloroethene - DL	11000		1000	90	ug/L	1000		8260B	Total/NA
cis-1,2-Dichloroethene - DL	5700		1000	60	ug/L	1000		8260B	Total/NA
1,2-Dichloroethene, Total - DL	17000		1000	300	ug/L	1000		8260B	Total/NA
1,2-Dichloroethane - DL2	77000		10000	1400	ug/L	10000		8260B	Total/NA
Vinyl chloride - DL2	190000		20000	1100	ug/L	10000		8260B	Total/NA

Client Sample ID: MW-4-LF-2 — Lab Sample ID: 600-49053-16

Detection Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-49053-1

Client Sample ID: MW-4-LF-2 (Continued) — Lab Sample ID: 600-49053-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	4500		200	16	ug/L	200		8260B	Total/NA
Chlorobenzene	960		200	24	ug/L	200		8260B	Total/NA
1,1-Dichloroethane	5000		200	22	ug/L	200		8260B	Total/NA
1,1-Dichloroethene	7700		200	38	ug/L	200		8260B	Total/NA
trans-1,2-Dichloroethene	9400		200	18	ug/L	200		8260B	Total/NA
Ethylbenzene	680		200	22	ug/L	200		8260B	Total/NA
Tetrachloroethene	350		200	26	ug/L	200		8260B	Total/NA
Toluene	230		200	30	ug/L	200		8260B	Total/NA
Trichloroethene	1600		200	36	ug/L	200		8260B	Total/NA
m-Xylene & p-Xylene	480		200	34	ug/L	200		8260B	Total/NA
Xylenes, Total	480		200	52	ug/L	200		8260B	Total/NA
cis-1,2-Dichloroethene	4900		200	12	ug/L	200		8260B	Total/NA
1,2-Dichloroethene, Total	14000		200	60	ug/L	200		8260B	Total/NA
1,2-Dichloroethane - DL	77000		10000	1400	ug/L	10000		8260B	Total/NA
Vinyl chloride - DL	180000		20000	1100	ug/L	10000		8260B	Total/NA

Client Sample ID: DUP-LF-2 — Lab Sample ID: 600-49053-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	110		50	4.0	ug/L	50		8260B	Total/NA
Chlorobenzene	46	J	50	6.0	ug/L	50		8260B	Total/NA
1,1-Dichloroethane	140		50	5.5	ug/L	50		8260B	Total/NA
1,2-Dichloroethane	44	J	50	7.0	ug/L	50		8260B	Total/NA
1,1-Dichloroethene	15	J	50	9.5	ug/L	50		8260B	Total/NA
trans-1,2-Dichloroethene	360		50	4.5	ug/L	50		8260B	Total/NA
Ethylbenzene	200		50	5.5	ug/L	50		8260B	Total/NA
Toluene	43	J	50	7.5	ug/L	50		8260B	Total/NA
m-Xylene & p-Xylene	190		50	8.5	ug/L	50		8260B	Total/NA
Xylenes, Total	190		50	13	ug/L	50		8260B	Total/NA
cis-1,2-Dichloroethene	13	J	50	3.0	ug/L	50		8260B	Total/NA
1,2-Dichloroethene, Total	370		50	15	ug/L	50		8260B	Total/NA
Vinyl chloride - DL	4600		500	28	ug/L	250		8260B	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 600-49053-18

No Detections

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-49053-1

Client Sample ID: MW-71-PRELF-2

Lab Sample ID: 600-49053-1

Date Collected: 01/18/12 08:20
Matrix: Water
Date Received: 01/19/12 13:52

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**2800**		250	50	ug/L			01/28/12 15:14	50
Chlorobromomethane	9.0	U	50	9.0	ug/L			01/28/12 15:14	50
Bromoform	9.5	U	50	9.5	ug/L			01/28/12 15:14	50
Bromomethane	13	U	100	13	ug/L			01/28/12 15:14	50
2-Butanone (MEK)	38	U	100	38	ug/L			01/28/12 15:14	50
Carbon disulfide	**12**	**J**	100	12	ug/L			01/28/12 15:14	50
Carbon tetrachloride	7.5	U	50	7.5	ug/L			01/28/12 15:14	50
Dibromochloromethane	7.5	U	50	7.5	ug/L			01/28/12 15:14	50
Chlorobenzene	**120**		50	6.0	ug/L			01/28/12 15:14	50
Chloroethane	4.0	U	100	4.0	ug/L			01/28/12 15:14	50
Chloroform	6.5	U	50	6.5	ug/L			01/28/12 15:14	50
Chloromethane	9.0	U	100	9.0	ug/L			01/28/12 15:14	50
1,1-Dichloroethane	**870**		50	5.5	ug/L			01/28/12 15:14	50
1,1-Dichloroethene	**570**		50	9.5	ug/L			01/28/12 15:14	50
trans-1,2-Dichloroethene	**1200**		50	4.5	ug/L			01/28/12 15:14	50
1,2-Dichloropropane	8.0	U	50	8.0	ug/L			01/28/12 15:14	50
cis-1,3-Dichloropropene	9.0	U	50	9.0	ug/L			01/28/12 15:14	50
trans-1,3-Dichloropropene	11	U	50	11	ug/L			01/28/12 15:14	50
Ethylbenzene	**680**		50	5.5	ug/L			01/28/12 15:14	50
2-Hexanone	18	U	100	18	ug/L			01/28/12 15:14	50
Methylene Chloride	**59**	**J**	250	7.5	ug/L			01/28/12 15:14	50
4-Methyl-2-pentanone (MIBK)	23	U	100	23	ug/L			01/28/12 15:14	50
Styrene	3.5	U	50	3.5	ug/L			01/28/12 15:14	50
1,1,2,2-Tetrachloroethane	11	U	50	11	ug/L			01/28/12 15:14	50
Tetrachloroethene	**26**	**J**	50	6.5	ug/L			01/28/12 15:14	50
Toluene	**110**		50	7.5	ug/L			01/28/12 15:14	50
1,1,1-Trichloroethane	7.5	U	50	7.5	ug/L			01/28/12 15:14	50
Trichloroethene	**110**		50	9.0	ug/L			01/28/12 15:14	50
Vinyl acetate	11	U	100	11	ug/L			01/28/12 15:14	50
o-Xylene	6.0	U	50	6.0	ug/L			01/28/12 15:14	50
m-Xylene & p-Xylene	**18**	**J**	50	8.5	ug/L			01/28/12 15:14	50
Xylenes, Total	**18**	**J**	50	13	ug/L			01/28/12 15:14	50
cis-1,2-Dichloroethene	**660**		50	3.0	ug/L			01/28/12 15:14	50
Bromodichloromethane	8.0	U	50	8.0	ug/L			01/28/12 15:14	50
1,2-Dichloroethene, Total	**1900**		50	15	ug/L			01/28/12 15:14	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*70 - 130*		*01/28/12 15:14*	*50*
Dibromofluoromethane	*85*		*62 - 130*		*01/28/12 15:14*	*50*
4-Bromofluorobenzene	*81*		*67 - 139*		*01/28/12 15:14*	*50*
1,2-Dichloroethane-d4 (Surr)	*52*		*50 - 134*		*01/28/12 15:14*	*50*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**3500**		500	40	ug/L			01/30/12 12:44	500
1,1,2-Trichloroethane	**6600**		500	140	ug/L			01/30/12 12:44	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*70 - 130*		*01/30/12 12:44*	*500*
Dibromofluoromethane	*78*		*62 - 130*		*01/30/12 12:44*	*500*
4-Bromofluorobenzene	*74*		*67 - 139*		*01/30/12 12:44*	*500*

Client Sample ID: MW-71-PRELF-2

Lab Sample ID: 600-49053-1

Date Collected: 01/18/12 08:20

Matrix: Water

Date Received: 01/19/12 13:52

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*84*		*50 - 134*		*01/30/12 12:44*	*500*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	**51000**		5000	700	ug/L			01/30/12 12:15	5000
Vinyl chloride	**48000**		10000	550	ug/L			01/30/12 12:15	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*91*		*70 - 130*		*01/30/12 12:15*	*5000*
Dibromofluoromethane	*83*		*62 - 130*		*01/30/12 12:15*	*5000*
4-Bromofluorobenzene	*82*		*67 - 139*		*01/30/12 12:15*	*5000*
1,2-Dichloroethane-d4 (Surr)	*88*		*50 - 134*		*01/30/12 12:15*	*5000*

Client Sample ID: MW-71-LF-2

Lab Sample ID: 600-49053-2

Date Collected: 01/18/12 08:43

Matrix: Water

Date Received: 01/19/12 13:52

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**3400**		250	50	ug/L			01/28/12 15:41	50
Chlorobromomethane	9.0	U	50	9.0	ug/L			01/28/12 15:41	50
Bromoform	9.5	U	50	9.5	ug/L			01/28/12 15:41	50
Bromomethane	13	U	100	13	ug/L			01/28/12 15:41	50
2-Butanone (MEK)	38	U	100	38	ug/L			01/28/12 15:41	50
Carbon disulfide	12	U	100	12	ug/L			01/28/12 15:41	50
Carbon tetrachloride	7.5	U	50	7.5	ug/L			01/28/12 15:41	50
Dibromochloromethane	7.5	U	50	7.5	ug/L			01/28/12 15:41	50
Chlorobenzene	**120**		50	6.0	ug/L			01/28/12 15:41	50
Chloroethane	4.0	U	100	4.0	ug/L			01/28/12 15:41	50
Chloroform	6.5	U	50	6.5	ug/L			01/28/12 15:41	50
Chloromethane	9.0	U	100	9.0	ug/L			01/28/12 15:41	50
1,1-Dichloroethane	**870**		50	5.5	ug/L			01/28/12 15:41	50
1,1-Dichloroethene	**550**		50	9.5	ug/L			01/28/12 15:41	50
trans-1,2-Dichloroethene	**1200**		50	4.5	ug/L			01/28/12 15:41	50
1,2-Dichloropropane	8.0	U	50	8.0	ug/L			01/28/12 15:41	50
cis-1,3-Dichloropropene	9.0	U	50	9.0	ug/L			01/28/12 15:41	50
trans-1,3-Dichloropropene	11	U	50	11	ug/L			01/28/12 15:41	50
Ethylbenzene	**690**		50	5.5	ug/L			01/28/12 15:41	50
2-Hexanone	18	U	100	18	ug/L			01/28/12 15:41	50
Methylene Chloride	**43**	**J**	250	7.5	ug/L			01/28/12 15:41	50
4-Methyl-2-pentanone (MIBK)	23	U	100	23	ug/L			01/28/12 15:41	50
Styrene	3.5	U	50	3.5	ug/L			01/28/12 15:41	50
1,1,2,2-Tetrachloroethane	11	U	50	11	ug/L			01/28/12 15:41	50
Tetrachloroethene	**22**	**J**	50	6.5	ug/L			01/28/12 15:41	50
Toluene	**110**		50	7.5	ug/L			01/28/12 15:41	50
1,1,1-Trichloroethane	7.5	U	50	7.5	ug/L			01/28/12 15:41	50
Trichloroethene	**120**		50	9.0	ug/L			01/28/12 15:41	50
Vinyl acetate	11	U	100	11	ug/L			01/28/12 15:41	50
o-Xylene	6.0	U	50	6.0	ug/L			01/28/12 15:41	50
m-Xylene & p-Xylene	**14**	**J**	50	8.5	ug/L			01/28/12 15:41	50
Xylenes, Total	**14**	**J**	50	13	ug/L			01/28/12 15:41	50

Client Sample ID: MW-71-LF-2

Lab Sample ID: 600-49053-2

Date Collected: 01/18/12 08:43

Matrix: Water

Date Received: 01/19/12 13:52

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**670**		50	3.0	ug/L			01/28/12 15:41	50
Bromodichloromethane	8.0	U	50	8.0	ug/L			01/28/12 15:41	50
1,2-Dichloroethene, Total	**1900**		50	15	ug/L			01/28/12 15:41	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*89*		*70 - 130*		*01/28/12 15:41*	*50*
Dibromofluoromethane	*70*		*62 - 130*		*01/28/12 15:41*	*50*
4-Bromofluorobenzene	*82*		*67 - 139*		*01/28/12 15:41*	*50*
1,2-Dichloroethane-d4 (Surr)	*70*		*50 - 134*		*01/28/12 15:41*	*50*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**3800**		500	40	ug/L			01/30/12 14:04	500
1,1,2-Trichloroethane	**8000**		500	140	ug/L			01/30/12 14:04	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*91*		*70 - 130*		*01/30/12 14:04*	*500*
Dibromofluoromethane	*85*		*62 - 130*		*01/30/12 14:04*	*500*
4-Bromofluorobenzene	*82*		*67 - 139*		*01/30/12 14:04*	*500*
1,2-Dichloroethane-d4 (Surr)	*64*		*50 - 134*		*01/30/12 14:04*	*500*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	**58000**		5000	700	ug/L			01/30/12 14:30	5000
Vinyl chloride	**49000**		10000	550	ug/L			01/30/12 14:30	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*70 - 130*		*01/30/12 14:30*	*5000*
Dibromofluoromethane	*76*		*62 - 130*		*01/30/12 14:30*	*5000*
4-Bromofluorobenzene	*77*		*67 - 139*		*01/30/12 14:30*	*5000*
1,2-Dichloroethane-d4 (Surr)	*99*		*50 - 134*		*01/30/12 14:30*	*5000*

Client Sample ID: MW-8-PRELF-2

Lab Sample ID: 600-49053-3

Date Collected: 01/18/12 09:05

Matrix: Water

Date Received: 01/19/12 13:52

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**280**		50	9.9	ug/L			01/30/12 21:07	10
Chlorobromomethane	1.8	U	10	1.8	ug/L			01/30/12 21:07	10
Bromoform	1.9	U	10	1.9	ug/L			01/30/12 21:07	10
Bromomethane	2.5	U	20	2.5	ug/L			01/30/12 21:07	10
Carbon disulfide	**8.6**	**J**	20	2.4	ug/L			01/30/12 21:07	10
Carbon tetrachloride	1.5	U	10	1.5	ug/L			01/30/12 21:07	10
Dibromochloromethane	1.5	U	10	1.5	ug/L			01/30/12 21:07	10
Chlorobenzene	**130**		10	1.2	ug/L			01/30/12 21:07	10
Chloroethane	0.80	U	20	0.80	ug/L			01/30/12 21:07	10
Chloroform	1.3	U	10	1.3	ug/L			01/30/12 21:07	10
Chloromethane	1.8	U	20	1.8	ug/L			01/30/12 21:07	10
1,1-Dichloroethane	**360**		10	1.1	ug/L			01/30/12 21:07	10
1,2-Dichloroethane	1.4	U	10	1.4	ug/L			01/30/12 21:07	10
1,1-Dichloroethene	**7.8**	**J**	10	1.9	ug/L			01/30/12 21:07	10

Client Sample ID: MW-8-PRELF-2

Lab Sample ID: 600-49053-3

Date Collected: 01/18/12 09:05

Matrix: Water

Date Received: 01/19/12 13:52

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	**160**		10	0.90	ug/L			01/30/12 21:07	10
1,2-Dichloropropane	1.6	U	10	1.6	ug/L			01/30/12 21:07	10
cis-1,3-Dichloropropene	1.8	U	10	1.8	ug/L			01/30/12 21:07	10
trans-1,3-Dichloropropene	2.1	U	10	2.1	ug/L			01/30/12 21:07	10
Ethylbenzene	**270**		10	1.1	ug/L			01/30/12 21:07	10
2-Hexanone	3.5	U	20	3.5	ug/L			01/30/12 21:07	10
Methylene Chloride	1.5	U	50	1.5	ug/L			01/30/12 21:07	10
4-Methyl-2-pentanone (MIBK)	4.5	U *	20	4.5	ug/L			01/30/12 21:07	10
Styrene	0.70	U	10	0.70	ug/L			01/30/12 21:07	10
1,1,2,2-Tetrachloroethane	2.2	U	10	2.2	ug/L			01/30/12 21:07	10
Tetrachloroethene	1.3	U	10	1.3	ug/L			01/30/12 21:07	10
Toluene	**55**		10	1.5	ug/L			01/30/12 21:07	10
1,1,1-Trichloroethane	1.5	U	10	1.5	ug/L			01/30/12 21:07	10
1,1,2-Trichloroethane	2.8	U	10	2.8	ug/L			01/30/12 21:07	10
Trichloroethene	**15**		10	1.8	ug/L			01/30/12 21:07	10
Vinyl acetate	2.1	U	20	2.1	ug/L			01/30/12 21:07	10
o-Xylene	**6.9**	**J**	10	1.2	ug/L			01/30/12 21:07	10
m-Xylene & p-Xylene	**9.0**	**J**	10	1.7	ug/L			01/30/12 21:07	10
Xylenes, Total	**16**		10	2.6	ug/L			01/30/12 21:07	10
cis-1,2-Dichloroethene	**28**		10	0.60	ug/L			01/30/12 21:07	10
Bromodichloromethane	1.6	U	10	1.6	ug/L			01/30/12 21:07	10
1,2-Dichloroethene, Total	**190**		10	3.0	ug/L			01/30/12 21:07	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*70 - 130*		*01/30/12 21:07*	*10*
Dibromofluoromethane	*83*		*62 - 130*		*01/30/12 21:07*	*10*
4-Bromofluorobenzene	*86*		*67 - 139*		*01/30/12 21:07*	*10*
1,2-Dichloroethane-d4 (Surr)	*92*		*50 - 134*		*01/30/12 21:07*	*10*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**640**		50	4.0	ug/L			01/30/12 14:56	50
2-Butanone (MEK)	**1200**		100	38	ug/L			01/30/12 14:56	50
Vinyl chloride	**1300**		100	5.5	ug/L			01/30/12 14:56	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*84*		*70 - 130*		*01/30/12 14:56*	*50*
Dibromofluoromethane	*81*		*62 - 130*		*01/30/12 14:56*	*50*
4-Bromofluorobenzene	*84*		*67 - 139*		*01/30/12 14:56*	*50*
1,2-Dichloroethane-d4 (Surr)	*88*		*50 - 134*		*01/30/12 14:56*	*50*

Client Sample ID: MW-8-LF-2

Lab Sample ID: 600-49053-4

Date Collected: 01/18/12 09:31

Matrix: Water

Date Received: 01/19/12 13:52

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**60**		50	9.9	ug/L			01/30/12 15:24	10
Chlorobromomethane	1.8	U	10	1.8	ug/L			01/30/12 15:24	10
Bromoform	1.9	U	10	1.9	ug/L			01/30/12 15:24	10
Bromomethane	2.5	U	20	2.5	ug/L			01/30/12 15:24	10
2-Butanone (MEK)	7.6	U	20	7.6	ug/L			01/30/12 15:24	10

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-49053-1

Client Sample ID: MW-8-LF-2

Date Collected: 01/18/12 09:31
Date Received: 01/19/12 13:52

Lab Sample ID: 600-49053-4

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	2.4	U	20	2.4	ug/L			01/30/12 15:24	10
Carbon tetrachloride	1.5	U	10	1.5	ug/L			01/30/12 15:24	10
Dibromochloromethane	1.5	U	10	1.5	ug/L			01/30/12 15:24	10
Chlorobenzene	**85**		10	1.2	ug/L			01/30/12 15:24	10
Chloroethane	0.80	U	20	0.80	ug/L			01/30/12 15:24	10
Chloroform	1.3	U	10	1.3	ug/L			01/30/12 15:24	10
Chloromethane	1.8	U	20	1.8	ug/L			01/30/12 15:24	10
1,1-Dichloroethane	**210**		10	1.1	ug/L			01/30/12 15:24	10
1,2-Dichloroethane	1.4	U	10	1.4	ug/L			01/30/12 15:24	10
1,1-Dichloroethene	**11**		10	1.9	ug/L			01/30/12 15:24	10
trans-1,2-Dichloroethene	**140**		10	0.90	ug/L			01/30/12 15:24	10
1,2-Dichloropropane	1.6	U	10	1.6	ug/L			01/30/12 15:24	10
cis-1,3-Dichloropropene	1.8	U	10	1.8	ug/L			01/30/12 15:24	10
trans-1,3-Dichloropropene	2.1	U	10	2.1	ug/L			01/30/12 15:24	10
Ethylbenzene	**410**		10	1.1	ug/L			01/30/12 15:24	10
2-Hexanone	3.5	U	20	3.5	ug/L			01/30/12 15:24	10
Methylene Chloride	1.5	U	50	1.5	ug/L			01/30/12 15:24	10
4-Methyl-2-pentanone (MIBK)	4.5	U *	20	4.5	ug/L			01/30/12 15:24	10
Styrene	0.70	U	10	0.70	ug/L			01/30/12 15:24	10
1,1,2,2-Tetrachloroethane	2.2	U	10	2.2	ug/L			01/30/12 15:24	10
Tetrachloroethene	1.3	U	10	1.3	ug/L			01/30/12 15:24	10
Toluene	**63**		10	1.5	ug/L			01/30/12 15:24	10
1,1,1-Trichloroethane	1.5	U	10	1.5	ug/L			01/30/12 15:24	10
1,1,2-Trichloroethane	2.8	U	10	2.8	ug/L			01/30/12 15:24	10
Trichloroethene	**5.1**	**J**	10	1.8	ug/L			01/30/12 15:24	10
Vinyl acetate	2.1	U	20	2.1	ug/L			01/30/12 15:24	10
o-Xylene	**6.5**	**J**	10	1.2	ug/L			01/30/12 15:24	10
m-Xylene & p-Xylene	**13**		10	1.7	ug/L			01/30/12 15:24	10
Xylenes, Total	**20**		10	2.6	ug/L			01/30/12 15:24	10
cis-1,2-Dichloroethene	**15**		10	0.60	ug/L			01/30/12 15:24	10
Bromodichloromethane	1.6	U	10	1.6	ug/L			01/30/12 15:24	10
1,2-Dichloroethene, Total	**160**		10	3.0	ug/L			01/30/12 15:24	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*70 - 130*		*01/30/12 15:24*	*10*
Dibromofluoromethane	*80*		*62 - 130*		*01/30/12 15:24*	*10*
4-Bromofluorobenzene	*81*		*67 - 139*		*01/30/12 15:24*	*10*
1,2-Dichloroethane-d4 (Surr)	*92*		*50 - 134*		*01/30/12 15:24*	*10*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**620**		50	4.0	ug/L			01/28/12 16:34	50
Vinyl chloride	**2000**		100	5.5	ug/L			01/28/12 16:34	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*70 - 130*		*01/28/12 16:34*	*50*
Dibromofluoromethane	*67*		*62 - 130*		*01/28/12 16:34*	*50*
4-Bromofluorobenzene	*76*		*67 - 139*		*01/28/12 16:34*	*50*
1,2-Dichloroethane-d4 (Surr)	*86*		*50 - 134*		*01/28/12 16:34*	*50*

Client Sample Results

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-49053-1

Client Sample ID: MW-11-PRELF-2

Lab Sample ID: 600-49053-5

Date Collected: 01/18/12 09:45
Matrix: Water
Date Received: 01/19/12 13:52

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	50	U	250	50	ug/L			01/28/12 17:00	50
Benzene	**120**		50	4.0	ug/L			01/28/12 17:00	50
Chlorobromomethane	9.0	U	50	9.0	ug/L			01/28/12 17:00	50
Bromoform	9.5	U	50	9.5	ug/L			01/28/12 17:00	50
Bromomethane	13	U	100	13	ug/L			01/28/12 17:00	50
2-Butanone (MEK)	38	U	100	38	ug/L			01/28/12 17:00	50
Carbon disulfide	12	U	100	12	ug/L			01/28/12 17:00	50
Carbon tetrachloride	7.5	U	50	7.5	ug/L			01/28/12 17:00	50
Dibromochloromethane	7.5	U	50	7.5	ug/L			01/28/12 17:00	50
Chlorobenzene	**220**		50	6.0	ug/L			01/28/12 17:00	50
Chloroethane	4.0	U	100	4.0	ug/L			01/28/12 17:00	50
Chloroform	6.5	U	50	6.5	ug/L			01/28/12 17:00	50
Chloromethane	9.0	U	100	9.0	ug/L			01/28/12 17:00	50
1,1-Dichloroethane	**880**		50	5.5	ug/L			01/28/12 17:00	50
1,2-Dichloroethane	**140**		50	7.0	ug/L			01/28/12 17:00	50
1,1-Dichloroethene	**52**		50	9.5	ug/L			01/28/12 17:00	50
trans-1,2-Dichloroethene	**470**		50	4.5	ug/L			01/28/12 17:00	50
1,2-Dichloropropane	8.0	U	50	8.0	ug/L			01/28/12 17:00	50
cis-1,3-Dichloropropene	9.0	U	50	9.0	ug/L			01/28/12 17:00	50
trans-1,3-Dichloropropene	11	U	50	11	ug/L			01/28/12 17:00	50
Ethylbenzene	**27**	**J**	50	5.5	ug/L			01/28/12 17:00	50
2-Hexanone	18	U	100	18	ug/L			01/28/12 17:00	50
Methylene Chloride	7.5	U	250	7.5	ug/L			01/28/12 17:00	50
4-Methyl-2-pentanone (MIBK)	23	U	100	23	ug/L			01/28/12 17:00	50
Styrene	3.5	U	50	3.5	ug/L			01/28/12 17:00	50
1,1,2,2-Tetrachloroethane	11	U	50	11	ug/L			01/28/12 17:00	50
Tetrachloroethene	6.5	U	50	6.5	ug/L			01/28/12 17:00	50
Toluene	7.5	U	50	7.5	ug/L			01/28/12 17:00	50
1,1,1-Trichloroethane	7.5	U	50	7.5	ug/L			01/28/12 17:00	50
1,1,2-Trichloroethane	14	U	50	14	ug/L			01/28/12 17:00	50
Trichloroethene	**140**		50	9.0	ug/L			01/28/12 17:00	50
Vinyl acetate	11	U	100	11	ug/L			01/28/12 17:00	50
o-Xylene	6.0	U	50	6.0	ug/L			01/28/12 17:00	50
m-Xylene & p-Xylene	8.5	U	50	8.5	ug/L			01/28/12 17:00	50
Xylenes, Total	13	U	50	13	ug/L			01/28/12 17:00	50
cis-1,2-Dichloroethene	**810**		50	3.0	ug/L			01/28/12 17:00	50
Bromodichloromethane	8.0	U	50	8.0	ug/L			01/28/12 17:00	50
1,2-Dichloroethene, Total	**1300**		50	15	ug/L			01/28/12 17:00	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*70 - 130*		*01/28/12 17:00*	*50*
Dibromofluoromethane	*77*		*62 - 130*		*01/28/12 17:00*	*50*
4-Bromofluorobenzene	*84*		*67 - 139*		*01/28/12 17:00*	*50*
1,2-Dichloroethane-d4 (Surr)	*85*		*50 - 134*		*01/28/12 17:00*	*50*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**8900**		2000	110	ug/L			01/30/12 15:50	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*70 - 130*		*01/30/12 15:50*	*1000*
Dibromofluoromethane	*83*		*62 - 130*		*01/30/12 15:50*	*1000*

Client Sample ID: MW-11-PRELF-2

Lab Sample ID: 600-49053-5

Date Collected: 01/18/12 09:45

Matrix: Water

Date Received: 01/19/12 13:52

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	*82*		*67 - 139*		*01/30/12 15:50*	*1000*
1,2-Dichloroethane-d4 (Surr)	*81*		*50 - 134*		*01/30/12 15:50*	*1000*

Client Sample ID: MW-11-LF-2

Lab Sample ID: 600-49053-6

Date Collected: 01/18/12 10:04

Matrix: Water

Date Received: 01/19/12 13:52

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	50	U	250	50	ug/L			01/28/12 17:26	50
Benzene	**120**		50	4.0	ug/L			01/28/12 17:26	50
Chlorobromomethane	9.0	U	50	9.0	ug/L			01/28/12 17:26	50
Bromoform	9.5	U	50	9.5	ug/L			01/28/12 17:26	50
Bromomethane	13	U	100	13	ug/L			01/28/12 17:26	50
2-Butanone (MEK)	38	U	100	38	ug/L			01/28/12 17:26	50
Carbon disulfide	12	U	100	12	ug/L			01/28/12 17:26	50
Carbon tetrachloride	7.5	U	50	7.5	ug/L			01/28/12 17:26	50
Dibromochloromethane	7.5	U	50	7.5	ug/L			01/28/12 17:26	50
Chlorobenzene	**240**		50	6.0	ug/L			01/28/12 17:26	50
Chloroethane	4.0	U	100	4.0	ug/L			01/28/12 17:26	50
Chloroform	6.5	U	50	6.5	ug/L			01/28/12 17:26	50
Chloromethane	9.0	U	100	9.0	ug/L			01/28/12 17:26	50
1,1-Dichloroethane	**950**		50	5.5	ug/L			01/28/12 17:26	50
1,2-Dichloroethane	**110**		50	7.0	ug/L			01/28/12 17:26	50
1,1-Dichloroethene	**46**	**J**	50	9.5	ug/L			01/28/12 17:26	50
trans-1,2-Dichloroethene	**490**		50	4.5	ug/L			01/28/12 17:26	50
1,2-Dichloropropane	8.0	U	50	8.0	ug/L			01/28/12 17:26	50
cis-1,3-Dichloropropene	9.0	U	50	9.0	ug/L			01/28/12 17:26	50
trans-1,3-Dichloropropene	11	U	50	11	ug/L			01/28/12 17:26	50
Ethylbenzene	**19**	**J**	50	5.5	ug/L			01/28/12 17:26	50
2-Hexanone	18	U	100	18	ug/L			01/28/12 17:26	50
Methylene Chloride	7.5	U	250	7.5	ug/L			01/28/12 17:26	50
4-Methyl-2-pentanone (MIBK)	23	U	100	23	ug/L			01/28/12 17:26	50
Styrene	3.5	U	50	3.5	ug/L			01/28/12 17:26	50
1,1,2,2-Tetrachloroethane	11	U	50	11	ug/L			01/28/12 17:26	50
Tetrachloroethene	6.5	U	50	6.5	ug/L			01/28/12 17:26	50
Toluene	7.5	U	50	7.5	ug/L			01/28/12 17:26	50
1,1,1-Trichloroethane	7.5	U	50	7.5	ug/L			01/28/12 17:26	50
1,1,2-Trichloroethane	14	U	50	14	ug/L			01/28/12 17:26	50
Trichloroethene	**160**		50	9.0	ug/L			01/28/12 17:26	50
Vinyl acetate	11	U	100	11	ug/L			01/28/12 17:26	50
o-Xylene	6.0	U	50	6.0	ug/L			01/28/12 17:26	50
m-Xylene & p-Xylene	8.5	U	50	8.5	ug/L			01/28/12 17:26	50
Xylenes, Total	13	U	50	13	ug/L			01/28/12 17:26	50
cis-1,2-Dichloroethene	**880**		50	3.0	ug/L			01/28/12 17:26	50
Bromodichloromethane	8.0	U	50	8.0	ug/L			01/28/12 17:26	50
1,2-Dichloroethene, Total	**1400**		50	15	ug/L			01/28/12 17:26	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*92*		*70 - 130*		*01/28/12 17:26*	*50*
Dibromofluoromethane	*68*		*62 - 130*		*01/28/12 17:26*	*50*

Client Sample ID: MW-11-LF-2

Lab Sample ID: 600-49053-6

Date Collected: 01/18/12 10:04

Matrix: Water

Date Received: 01/19/12 13:52

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	81		67 - 139		01/28/12 17:26	50
1,2-Dichloroethane-d4 (Surr)	85		50 - 134		01/28/12 17:26	50

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**9600**		2000	110	ug/L			01/30/12 16:17	1000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	93		70 - 130		01/30/12 16:17	1000
Dibromofluoromethane	84		62 - 130		01/30/12 16:17	1000
4-Bromofluorobenzene	79		67 - 139		01/30/12 16:17	1000
1,2-Dichloroethane-d4 (Surr)	80		50 - 134		01/30/12 16:17	1000

Client Sample ID: MW-40-PRELF-2

Lab Sample ID: 600-49053-7

Date Collected: 01/18/12 10:15

Matrix: Water

Date Received: 01/19/12 13:52

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	50	9.9	ug/L			01/28/12 17:53	10
Benzene	**33**		10	0.80	ug/L			01/28/12 17:53	10
Chlorobromomethane	1.8	U	10	1.8	ug/L			01/28/12 17:53	10
Bromoform	1.9	U	10	1.9	ug/L			01/28/12 17:53	10
Bromomethane	2.5	U	20	2.5	ug/L			01/28/12 17:53	10
2-Butanone (MEK)	7.6	U	20	7.6	ug/L			01/28/12 17:53	10
Carbon disulfide	2.4	U	20	2.4	ug/L			01/28/12 17:53	10
Carbon tetrachloride	1.5	U	10	1.5	ug/L			01/28/12 17:53	10
Dibromochloromethane	1.5	U	10	1.5	ug/L			01/28/12 17:53	10
Chlorobenzene	**61**		10	1.2	ug/L			01/28/12 17:53	10
Chloroethane	0.80	U	20	0.80	ug/L			01/28/12 17:53	10
Chloroform	1.3	U	10	1.3	ug/L			01/28/12 17:53	10
Chloromethane	1.8	U	20	1.8	ug/L			01/28/12 17:53	10
1,1-Dichloroethane	**150**		10	1.1	ug/L			01/28/12 17:53	10
1,2-Dichloroethane	**19**		10	1.4	ug/L			01/28/12 17:53	10
1,1-Dichloroethene	1.9	U	10	1.9	ug/L			01/28/12 17:53	10
trans-1,2-Dichloroethene	0.90	U	10	0.90	ug/L			01/28/12 17:53	10
1,2-Dichloropropane	1.6	U	10	1.6	ug/L			01/28/12 17:53	10
cis-1,3-Dichloropropene	1.8	U	10	1.8	ug/L			01/28/12 17:53	10
trans-1,3-Dichloropropene	2.1	U	10	2.1	ug/L			01/28/12 17:53	10
Ethylbenzene	**16**		10	1.1	ug/L			01/28/12 17:53	10
2-Hexanone	3.5	U	20	3.5	ug/L			01/28/12 17:53	10
Methylene Chloride	1.5	U	50	1.5	ug/L			01/28/12 17:53	10
4-Methyl-2-pentanone (MIBK)	4.5	U	20	4.5	ug/L			01/28/12 17:53	10
Styrene	0.70	U	10	0.70	ug/L			01/28/12 17:53	10
1,1,2,2-Tetrachloroethane	2.2	U	10	2.2	ug/L			01/28/12 17:53	10
Tetrachloroethene	1.3	U	10	1.3	ug/L			01/28/12 17:53	10
Toluene	1.5	U	10	1.5	ug/L			01/28/12 17:53	10
1,1,1-Trichloroethane	1.5	U	10	1.5	ug/L			01/28/12 17:53	10
1,1,2-Trichloroethane	2.8	U	10	2.8	ug/L			01/28/12 17:53	10
Trichloroethene	1.8	U	10	1.8	ug/L			01/28/12 17:53	10
Vinyl acetate	2.1	U	20	2.1	ug/L			01/28/12 17:53	10

Client Sample ID: MW-40-PRELF-2

Lab Sample ID: 600-49053-7

Date Collected: 01/18/12 10:15

Matrix: Water

Date Received: 01/19/12 13:52

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	1.2	U	10	1.2	ug/L			01/28/12 17:53	10
m-Xylene & p-Xylene	1.7	U	10	1.7	ug/L			01/28/12 17:53	10
Xylenes, Total	2.6	U	10	2.6	ug/L			01/28/12 17:53	10
cis-1,2-Dichloroethene	0.60	U	10	0.60	ug/L			01/28/12 17:53	10
Bromodichloromethane	1.6	U	10	1.6	ug/L			01/28/12 17:53	10
1,2-Dichloroethene, Total	3.0	U	10	3.0	ug/L			01/28/12 17:53	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*90*		*70 - 130*		*01/28/12 17:53*	*10*
Dibromofluoromethane	*79*		*62 - 130*		*01/28/12 17:53*	*10*
4-Bromofluorobenzene	*82*		*67 - 139*		*01/28/12 17:53*	*10*
1,2-Dichloroethane-d4 (Surr)	*85*		*50 - 134*		*01/28/12 17:53*	*10*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**570**		100	5.5	ug/L			01/30/12 16:44	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*90*		*70 - 130*		*01/30/12 16:44*	*50*
Dibromofluoromethane	*76*		*62 - 130*		*01/30/12 16:44*	*50*
4-Bromofluorobenzene	*91*		*67 - 139*		*01/30/12 16:44*	*50*
1,2-Dichloroethane-d4 (Surr)	*77*		*50 - 134*		*01/30/12 16:44*	*50*

Client Sample ID: MW-40-LF-2

Lab Sample ID: 600-49053-8

Date Collected: 01/18/12 10:31

Matrix: Water

Date Received: 01/19/12 13:52

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	50	9.9	ug/L			01/30/12 17:10	10
Benzene	**68**		10	0.80	ug/L			01/30/12 17:10	10
Chlorobromomethane	1.8	U	10	1.8	ug/L			01/30/12 17:10	10
Bromoform	1.9	U	10	1.9	ug/L			01/30/12 17:10	10
Bromomethane	2.5	U	20	2.5	ug/L			01/30/12 17:10	10
2-Butanone (MEK)	7.6	U	20	7.6	ug/L			01/30/12 17:10	10
Carbon disulfide	2.4	U	20	2.4	ug/L			01/30/12 17:10	10
Carbon tetrachloride	1.5	U	10	1.5	ug/L			01/30/12 17:10	10
Dibromochloromethane	1.5	U	10	1.5	ug/L			01/30/12 17:10	10
Chlorobenzene	**170**		10	1.2	ug/L			01/30/12 17:10	10
Chloroethane	0.80	U	20	0.80	ug/L			01/30/12 17:10	10
Chloroform	1.3	U	10	1.3	ug/L			01/30/12 17:10	10
Chloromethane	1.8	U	20	1.8	ug/L			01/30/12 17:10	10
1,1-Dichloroethane	**300**		10	1.1	ug/L			01/30/12 17:10	10
1,2-Dichloroethane	1.4	U	10	1.4	ug/L			01/30/12 17:10	10
1,1-Dichloroethene	1.9	U	10	1.9	ug/L			01/30/12 17:10	10
trans-1,2-Dichloroethene	**4.4**	**J**	10	0.90	ug/L			01/30/12 17:10	10
1,2-Dichloropropane	1.6	U	10	1.6	ug/L			01/30/12 17:10	10
cis-1,3-Dichloropropene	1.8	U	10	1.8	ug/L			01/30/12 17:10	10
trans-1,3-Dichloropropene	2.1	U	10	2.1	ug/L			01/30/12 17:10	10
Ethylbenzene	**55**		10	1.1	ug/L			01/30/12 17:10	10
2-Hexanone	3.5	U	20	3.5	ug/L			01/30/12 17:10	10
Methylene Chloride	1.5	U	50	1.5	ug/L			01/30/12 17:10	10

Client Sample ID: MW-40-LF-2

Lab Sample ID: 600-49053-8

Date Collected: 01/18/12 10:31

Matrix: Water

Date Received: 01/19/12 13:52

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	4.5	U *	20	4.5	ug/L			01/30/12 17:10	10
Styrene	0.70	U	10	0.70	ug/L			01/30/12 17:10	10
1,1,2,2-Tetrachloroethane	2.2	U	10	2.2	ug/L			01/30/12 17:10	10
Tetrachloroethene	1.3	U	10	1.3	ug/L			01/30/12 17:10	10
Toluene	1.5	U	10	1.5	ug/L			01/30/12 17:10	10
1,1,1-Trichloroethane	1.5	U	10	1.5	ug/L			01/30/12 17:10	10
1,1,2-Trichloroethane	2.8	U	10	2.8	ug/L			01/30/12 17:10	10
Trichloroethene	1.8	U	10	1.8	ug/L			01/30/12 17:10	10
Vinyl acetate	2.1	U	20	2.1	ug/L			01/30/12 17:10	10
o-Xylene	1.2	U	10	1.2	ug/L			01/30/12 17:10	10
m-Xylene & p-Xylene	**45**		10	1.7	ug/L			01/30/12 17:10	10
Xylenes, Total	**45**		10	2.6	ug/L			01/30/12 17:10	10
cis-1,2-Dichloroethene	0.60	U	10	0.60	ug/L			01/30/12 17:10	10
Bromodichloromethane	1.6	U	10	1.6	ug/L			01/30/12 17:10	10
1,2-Dichloroethene, Total	**4.4**	**J**	10	3.0	ug/L			01/30/12 17:10	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*70 - 130*		*01/30/12 17:10*	*10*
Dibromofluoromethane	*82*		*62 - 130*		*01/30/12 17:10*	*10*
4-Bromofluorobenzene	*95*		*67 - 139*		*01/30/12 17:10*	*10*
1,2-Dichloroethane-d4 (Surr)	*93*		*50 - 134*		*01/30/12 17:10*	*10*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**2100**		100	5.5	ug/L			01/28/12 18:20	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*70 - 130*		*01/28/12 18:20*	*50*
Dibromofluoromethane	*77*		*62 - 130*		*01/28/12 18:20*	*50*
4-Bromofluorobenzene	*84*		*67 - 139*		*01/28/12 18:20*	*50*
1,2-Dichloroethane-d4 (Surr)	*81*		*50 - 134*		*01/28/12 18:20*	*50*

Client Sample ID: MW-66-PRELF-2

Lab Sample ID: 600-49053-9

Date Collected: 01/18/12 10:45

Matrix: Water

Date Received: 01/19/12 13:52

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	50	U	250	50	ug/L			01/28/12 18:46	50
Chlorobromomethane	9.0	U	50	9.0	ug/L			01/28/12 18:46	50
Bromoform	9.5	U	50	9.5	ug/L			01/28/12 18:46	50
Bromomethane	13	U	100	13	ug/L			01/28/12 18:46	50
2-Butanone (MEK)	38	U	100	38	ug/L			01/28/12 18:46	50
Carbon disulfide	12	U	100	12	ug/L			01/28/12 18:46	50
Carbon tetrachloride	7.5	U	50	7.5	ug/L			01/28/12 18:46	50
Dibromochloromethane	7.5	U	50	7.5	ug/L			01/28/12 18:46	50
Chlorobenzene	**740**		50	6.0	ug/L			01/28/12 18:46	50
Chloroethane	4.0	U	100	4.0	ug/L			01/28/12 18:46	50
Chloroform	6.5	U	50	6.5	ug/L			01/28/12 18:46	50
Chloromethane	9.0	U	100	9.0	ug/L			01/28/12 18:46	50
1,1-Dichloroethene	**1700**		50	9.5	ug/L			01/28/12 18:46	50
1,2-Dichloropropane	8.0	U	50	8.0	ug/L			01/28/12 18:46	50

Client Sample ID: MW-66-PRELF-2

Lab Sample ID: 600-49053-9

Date Collected: 01/18/12 10:45

Matrix: Water

Date Received: 01/19/12 13:52

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	9.0	U	50	9.0	ug/L			01/28/12 18:46	50
trans-1,3-Dichloropropene	11	U	50	11	ug/L			01/28/12 18:46	50
Ethylbenzene	**1900**		50	5.5	ug/L			01/28/12 18:46	50
2-Hexanone	18	U	100	18	ug/L			01/28/12 18:46	50
Methylene Chloride	**230**	**J**	250	7.5	ug/L			01/28/12 18:46	50
4-Methyl-2-pentanone (MIBK)	23	U	100	23	ug/L			01/28/12 18:46	50
Styrene	**390**		50	3.5	ug/L			01/28/12 18:46	50
1,1,2,2-Tetrachloroethane	11	U	50	11	ug/L			01/28/12 18:46	50
Tetrachloroethene	**93**		50	6.5	ug/L			01/28/12 18:46	50
Toluene	**1000**		50	7.5	ug/L			01/28/12 18:46	50
1,1,1-Trichloroethane	7.5	U	50	7.5	ug/L			01/28/12 18:46	50
Trichloroethene	**630**		50	9.0	ug/L			01/28/12 18:46	50
Vinyl acetate	11	U	100	11	ug/L			01/28/12 18:46	50
o-Xylene	6.0	U	50	6.0	ug/L			01/28/12 18:46	50
m-Xylene & p-Xylene	8.5	U	50	8.5	ug/L			01/28/12 18:46	50
Xylenes, Total	13	U	50	13	ug/L			01/28/12 18:46	50
Bromodichloromethane	8.0	U	50	8.0	ug/L			01/28/12 18:46	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*70 - 130*		*01/28/12 18:46*	*50*
Dibromofluoromethane	*78*		*62 - 130*		*01/28/12 18:46*	*50*
4-Bromofluorobenzene	*82*		*67 - 139*		*01/28/12 18:46*	*50*
1,2-Dichloroethane-d4 (Surr)	*54*		*50 - 134*		*01/28/12 18:46*	*50*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**4000**		500	40	ug/L			01/30/12 17:36	500
1,1-Dichloroethane	**2600**		500	55	ug/L			01/30/12 17:36	500
trans-1,2-Dichloroethene	**2900**		500	45	ug/L			01/30/12 17:36	500
cis-1,2-Dichloroethene	**1300**		500	30	ug/L			01/30/12 17:36	500
1,2-Dichloroethene, Total	**4200**		500	150	ug/L			01/30/12 17:36	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*70 - 130*		*01/30/12 17:36*	*500*
Dibromofluoromethane	*80*		*62 - 130*		*01/30/12 17:36*	*500*
4-Bromofluorobenzene	*82*		*67 - 139*		*01/30/12 17:36*	*500*
1,2-Dichloroethane-d4 (Surr)	*57*		*50 - 134*		*01/30/12 17:36*	*500*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	**130000**		10000	1400	ug/L			01/30/12 18:03	10000
1,1,2-Trichloroethane	**37000**		10000	2800	ug/L			01/30/12 18:03	10000
Vinyl chloride	**77000**		20000	1100	ug/L			01/30/12 18:03	10000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*70 - 130*		*01/30/12 18:03*	*10000*
Dibromofluoromethane	*85*		*62 - 130*		*01/30/12 18:03*	*10000*
4-Bromofluorobenzene	*83*		*67 - 139*		*01/30/12 18:03*	*10000*
1,2-Dichloroethane-d4 (Surr)	*95*		*50 - 134*		*01/30/12 18:03*	*10000*

Client Sample Results

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-49053-1

Client Sample ID: MW-66-LF-2

Date Collected: 01/18/12 11:04
Date Received: 01/19/12 13:52

Lab Sample ID: 600-49053-10

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	50	U	250	50	ug/L			01/28/12 19:12	50
Chlorobromomethane	9.0	U	50	9.0	ug/L			01/28/12 19:12	50
Bromoform	9.5	U	50	9.5	ug/L			01/28/12 19:12	50
Bromomethane	13	U	100	13	ug/L			01/28/12 19:12	50
2-Butanone (MEK)	38	U	100	38	ug/L			01/28/12 19:12	50
Carbon disulfide	12	U	100	12	ug/L			01/28/12 19:12	50
Carbon tetrachloride	7.5	U	50	7.5	ug/L			01/28/12 19:12	50
Dibromochloromethane	7.5	U	50	7.5	ug/L			01/28/12 19:12	50
Chlorobenzene	**850**		50	6.0	ug/L			01/28/12 19:12	50
Chloroethane	4.0	U	100	4.0	ug/L			01/28/12 19:12	50
Chloroform	6.5	U	50	6.5	ug/L			01/28/12 19:12	50
Chloromethane	9.0	U	100	9.0	ug/L			01/28/12 19:12	50
1,1-Dichloroethene	**1800**		50	9.5	ug/L			01/28/12 19:12	50
1,2-Dichloropropane	8.0	U	50	8.0	ug/L			01/28/12 19:12	50
cis-1,3-Dichloropropene	9.0	U	50	9.0	ug/L			01/28/12 19:12	50
trans-1,3-Dichloropropene	11	U	50	11	ug/L			01/28/12 19:12	50
Ethylbenzene	**2200**		50	5.5	ug/L			01/28/12 19:12	50
2-Hexanone	18	U	100	18	ug/L			01/28/12 19:12	50
Methylene Chloride	**230**	**J**	250	7.5	ug/L			01/28/12 19:12	50
4-Methyl-2-pentanone (MIBK)	23	U	100	23	ug/L			01/28/12 19:12	50
Styrene	**450**		50	3.5	ug/L			01/28/12 19:12	50
1,1,2,2-Tetrachloroethane	11	U	50	11	ug/L			01/28/12 19:12	50
Tetrachloroethene	**110**		50	6.5	ug/L			01/28/12 19:12	50
Toluene	**1200**		50	7.5	ug/L			01/28/12 19:12	50
1,1,1-Trichloroethane	7.5	U	50	7.5	ug/L			01/28/12 19:12	50
Trichloroethene	**740**		50	9.0	ug/L			01/28/12 19:12	50
Vinyl acetate	11	U	100	11	ug/L			01/28/12 19:12	50
o-Xylene	**13**	**J**	50	6.0	ug/L			01/28/12 19:12	50
m-Xylene & p-Xylene	**46**	**J**	50	8.5	ug/L			01/28/12 19:12	50
Xylenes, Total	**59**		50	13	ug/L			01/28/12 19:12	50
Bromodichloromethane	8.0	U	50	8.0	ug/L			01/28/12 19:12	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*87*		*70 - 130*		*01/28/12 19:12*	*50*
Dibromofluoromethane	*81*		*62 - 130*		*01/28/12 19:12*	*50*
4-Bromofluorobenzene	*78*		*67 - 139*		*01/28/12 19:12*	*50*
1,2-Dichloroethane-d4 (Surr)	*50*		*50 - 134*		*01/28/12 19:12*	*50*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**4400**		500	40	ug/L			01/30/12 18:29	500
1,1-Dichloroethane	**2900**		500	55	ug/L			01/30/12 18:29	500
trans-1,2-Dichloroethene	**3300**		500	45	ug/L			01/30/12 18:29	500
cis-1,2-Dichloroethene	**1500**		500	30	ug/L			01/30/12 18:29	500
1,2-Dichloroethene, Total	**4800**		500	150	ug/L			01/30/12 18:29	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*70 - 130*		*01/30/12 18:29*	*500*
Dibromofluoromethane	*67*		*62 - 130*		*01/30/12 18:29*	*500*
4-Bromofluorobenzene	*83*		*67 - 139*		*01/30/12 18:29*	*500*
1,2-Dichloroethane-d4 (Surr)	*65*		*50 - 134*		*01/30/12 18:29*	*500*

Client Sample ID: MW-66-LF-2

Lab Sample ID: 600-49053-10

Date Collected: 01/18/12 11:04

Matrix: Water

Date Received: 01/19/12 13:52

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	**150000**		10000	1400	ug/L			01/30/12 18:56	10000
1,1,2-Trichloroethane	**53000**		10000	2800	ug/L			01/30/12 18:56	10000
Vinyl chloride	**96000**		20000	1100	ug/L			01/30/12 18:56	10000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*89*		*70 - 130*		*01/30/12 18:56*	*10000*
Dibromofluoromethane	*73*		*62 - 130*		*01/30/12 18:56*	*10000*
4-Bromofluorobenzene	*85*		*67 - 139*		*01/30/12 18:56*	*10000*
1,2-Dichloroethane-d4 (Surr)	*89*		*50 - 134*		*01/30/12 18:56*	*10000*

Client Sample ID: MW-65-PRELF-2

Lab Sample ID: 600-49053-11

Date Collected: 01/18/12 11:20

Matrix: Water

Date Received: 01/19/12 13:52

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	50	U	250	50	ug/L			01/28/12 19:39	50
Chlorobromomethane	9.0	U	50	9.0	ug/L			01/28/12 19:39	50
Bromoform	9.5	U	50	9.5	ug/L			01/28/12 19:39	50
Bromomethane	13	U	100	13	ug/L			01/28/12 19:39	50
2-Butanone (MEK)	38	U	100	38	ug/L			01/28/12 19:39	50
Carbon disulfide	12	U	100	12	ug/L			01/28/12 19:39	50
Carbon tetrachloride	7.5	U	50	7.5	ug/L			01/28/12 19:39	50
Dibromochloromethane	7.5	U	50	7.5	ug/L			01/28/12 19:39	50
Chlorobenzene	**1400**		50	6.0	ug/L			01/28/12 19:39	50
Chloroethane	4.0	U	100	4.0	ug/L			01/28/12 19:39	50
Chloroform	6.5	U	50	6.5	ug/L			01/28/12 19:39	50
Chloromethane	9.0	U	100	9.0	ug/L			01/28/12 19:39	50
1,2-Dichloroethane	7.0	U	50	7.0	ug/L			01/28/12 19:39	50
1,2-Dichloropropane	8.0	U	50	8.0	ug/L			01/28/12 19:39	50
cis-1,3-Dichloropropene	9.0	U	50	9.0	ug/L			01/28/12 19:39	50
trans-1,3-Dichloropropene	11	U	50	11	ug/L			01/28/12 19:39	50
Ethylbenzene	**1100**		50	5.5	ug/L			01/28/12 19:39	50
2-Hexanone	18	U	100	18	ug/L			01/28/12 19:39	50
Methylene Chloride	7.5	U	250	7.5	ug/L			01/28/12 19:39	50
4-Methyl-2-pentanone (MIBK)	23	U	100	23	ug/L			01/28/12 19:39	50
Styrene	**43**	**J**	50	3.5	ug/L			01/28/12 19:39	50
1,1,2,2-Tetrachloroethane	11	U	50	11	ug/L			01/28/12 19:39	50
Tetrachloroethene	**210**		50	6.5	ug/L			01/28/12 19:39	50
Toluene	**320**		50	7.5	ug/L			01/28/12 19:39	50
1,1,1-Trichloroethane	7.5	U	50	7.5	ug/L			01/28/12 19:39	50
1,1,2-Trichloroethane	**340**		50	14	ug/L			01/28/12 19:39	50
Trichloroethene	**940**		50	9.0	ug/L			01/28/12 19:39	50
Vinyl acetate	11	U	100	11	ug/L			01/28/12 19:39	50
o-Xylene	**32**	**J**	50	6.0	ug/L			01/28/12 19:39	50
m-Xylene & p-Xylene	**77**		50	8.5	ug/L			01/28/12 19:39	50
Xylenes, Total	**110**		50	13	ug/L			01/28/12 19:39	50
Bromodichloromethane	8.0	U	50	8.0	ug/L			01/28/12 19:39	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*91*		*70 - 130*		*01/28/12 19:39*	*50*
Dibromofluoromethane	*65*		*62 - 130*		*01/28/12 19:39*	*50*

Client Sample ID: MW-65-PRELF-2

Lab Sample ID: 600-49053-11

Date Collected: 01/18/12 11:20

Matrix: Water

Date Received: 01/19/12 13:52

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	78		67 - 139		01/28/12 19:39	50
1,2-Dichloroethane-d4 (Surr)	96		50 - 134		01/28/12 19:39	50

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**4600**		500	40	ug/L			01/30/12 19:22	500
1,1-Dichloroethane	**3500**		500	55	ug/L			01/30/12 19:22	500
1,1-Dichloroethene	**2600**		500	95	ug/L			01/30/12 19:22	500
trans-1,2-Dichloroethene	**6500**		500	45	ug/L			01/30/12 19:22	500
cis-1,2-Dichloroethene	**1200**		500	30	ug/L			01/30/12 19:22	500
1,2-Dichloroethene, Total	**7700**		500	150	ug/L			01/30/12 19:22	500

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	91		70 - 130		01/30/12 19:22	500
Dibromofluoromethane	84		62 - 130		01/30/12 19:22	500
4-Bromofluorobenzene	83		67 - 139		01/30/12 19:22	500
1,2-Dichloroethane-d4 (Surr)	89		50 - 134		01/30/12 19:22	500

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**220000**		20000	1100	ug/L			01/30/12 19:49	10000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	88		70 - 130		01/30/12 19:49	10000
Dibromofluoromethane	77		62 - 130		01/30/12 19:49	10000
4-Bromofluorobenzene	73		67 - 139		01/30/12 19:49	10000
1,2-Dichloroethane-d4 (Surr)	89		50 - 134		01/30/12 19:49	10000

Client Sample ID: MW-65-LF-2

Lab Sample ID: 600-49053-12

Date Collected: 01/18/12 11:36

Matrix: Water

Date Received: 01/19/12 13:52

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	200	U	1000	200	ug/L			01/28/12 20:05	200
Benzene	**4200**		200	16	ug/L			01/28/12 20:05	200
Chlorobromomethane	36	U	200	36	ug/L			01/28/12 20:05	200
Bromoform	38	U	200	38	ug/L			01/28/12 20:05	200
Bromomethane	50	U	400	50	ug/L			01/28/12 20:05	200
2-Butanone (MEK)	150	U	400	150	ug/L			01/28/12 20:05	200
Carbon disulfide	48	U	400	48	ug/L			01/28/12 20:05	200
Carbon tetrachloride	30	U	200	30	ug/L			01/28/12 20:05	200
Dibromochloromethane	30	U	200	30	ug/L			01/28/12 20:05	200
Chlorobenzene	**1300**		200	24	ug/L			01/28/12 20:05	200
Chloroethane	16	U	400	16	ug/L			01/28/12 20:05	200
Chloroform	26	U	200	26	ug/L			01/28/12 20:05	200
Chloromethane	36	U	400	36	ug/L			01/28/12 20:05	200
1,1-Dichloroethane	**3300**		200	22	ug/L			01/28/12 20:05	200
1,2-Dichloroethane	28	U	200	28	ug/L			01/28/12 20:05	200
1,1-Dichloroethene	**1400**		200	38	ug/L			01/28/12 20:05	200
trans-1,2-Dichloroethene	**5700**		200	18	ug/L			01/28/12 20:05	200
1,2-Dichloropropane	32	U	200	32	ug/L			01/28/12 20:05	200

Client Sample ID: MW-65-LF-2

Lab Sample ID: 600-49053-12

Date Collected: 01/18/12 11:36

Matrix: Water

Date Received: 01/19/12 13:52

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	36	U	200	36	ug/L			01/28/12 20:05	200
trans-1,3-Dichloropropene	42	U	200	42	ug/L			01/28/12 20:05	200
Ethylbenzene	**1200**		200	22	ug/L			01/28/12 20:05	200
2-Hexanone	70	U	400	70	ug/L			01/28/12 20:05	200
Methylene Chloride	30	U	1000	30	ug/L			01/28/12 20:05	200
4-Methyl-2-pentanone (MIBK)	90	U	400	90	ug/L			01/28/12 20:05	200
Styrene	14	U	200	14	ug/L			01/28/12 20:05	200
1,1,2,2-Tetrachloroethane	44	U	200	44	ug/L			01/28/12 20:05	200
Tetrachloroethene	**130**	**J**	200	26	ug/L			01/28/12 20:05	200
Toluene	**310**		200	30	ug/L			01/28/12 20:05	200
1,1,1-Trichloroethane	30	U	200	30	ug/L			01/28/12 20:05	200
1,1,2-Trichloroethane	56	U	200	56	ug/L			01/28/12 20:05	200
Trichloroethene	**510**		200	36	ug/L			01/28/12 20:05	200
Vinyl acetate	42	U	400	42	ug/L			01/28/12 20:05	200
o-Xylene	**46**	**J**	200	24	ug/L			01/28/12 20:05	200
m-Xylene & p-Xylene	**98**	**J**	200	34	ug/L			01/28/12 20:05	200
Xylenes, Total	**140**	**J**	200	52	ug/L			01/28/12 20:05	200
cis-1,2-Dichloroethene	**810**		200	12	ug/L			01/28/12 20:05	200
Bromodichloromethane	32	U	200	32	ug/L			01/28/12 20:05	200
1,2-Dichloroethene, Total	**6500**		200	60	ug/L			01/28/12 20:05	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*70 - 130*		*01/28/12 20:05*	*200*
Dibromofluoromethane	*80*		*62 - 130*		*01/28/12 20:05*	*200*
4-Bromofluorobenzene	*83*		*67 - 139*		*01/28/12 20:05*	*200*
1,2-Dichloroethane-d4 (Surr)	*80*		*50 - 134*		*01/28/12 20:05*	*200*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**260000**		40000	2200	ug/L			01/30/12 20:15	20000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*90*		*70 - 130*		*01/30/12 20:15*	*20000*
Dibromofluoromethane	*85*		*62 - 130*		*01/30/12 20:15*	*20000*
4-Bromofluorobenzene	*75*		*67 - 139*		*01/30/12 20:15*	*20000*
1,2-Dichloroethane-d4 (Surr)	*87*		*50 - 134*		*01/30/12 20:15*	*20000*

Client Sample ID: MW-68-PRELF-2

Lab Sample ID: 600-49053-13

Date Collected: 01/18/12 10:35

Matrix: Water

Date Received: 01/19/12 13:52

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	50	U	250	50	ug/L			01/28/12 20:31	50
Benzene	**120**		50	4.0	ug/L			01/28/12 20:31	50
Chlorobromomethane	9.0	U	50	9.0	ug/L			01/28/12 20:31	50
Bromoform	9.5	U	50	9.5	ug/L			01/28/12 20:31	50
Bromomethane	13	U	100	13	ug/L			01/28/12 20:31	50
2-Butanone (MEK)	38	U	100	38	ug/L			01/28/12 20:31	50
Carbon disulfide	12	U	100	12	ug/L			01/28/12 20:31	50
Carbon tetrachloride	7.5	U	50	7.5	ug/L			01/28/12 20:31	50
Dibromochloromethane	7.5	U	50	7.5	ug/L			01/28/12 20:31	50

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-49053-1

Client Sample ID: MW-68-PRELF-2

Lab Sample ID: 600-49053-13

Date Collected: 01/18/12 10:35
Matrix: Water
Date Received: 01/19/12 13:52

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	6.0	U	50	6.0	ug/L			01/28/12 20:31	50
Chloroethane	4.0	U	100	4.0	ug/L			01/28/12 20:31	50
Chloroform	6.5	U	50	6.5	ug/L			01/28/12 20:31	50
Chloromethane	9.0	U	100	9.0	ug/L			01/28/12 20:31	50
1,1-Dichloroethane	**160**		50	5.5	ug/L			01/28/12 20:31	50
1,2-Dichloroethane	**180**		50	7.0	ug/L			01/28/12 20:31	50
1,1-Dichloroethene	9.5	U	50	9.5	ug/L			01/28/12 20:31	50
trans-1,2-Dichloroethene	**340**		50	4.5	ug/L			01/28/12 20:31	50
1,2-Dichloropropane	8.0	U	50	8.0	ug/L			01/28/12 20:31	50
cis-1,3-Dichloropropene	9.0	U	50	9.0	ug/L			01/28/12 20:31	50
trans-1,3-Dichloropropene	11	U	50	11	ug/L			01/28/12 20:31	50
Ethylbenzene	**200**		50	5.5	ug/L			01/28/12 20:31	50
2-Hexanone	18	U	100	18	ug/L			01/28/12 20:31	50
Methylene Chloride	7.5	U	250	7.5	ug/L			01/28/12 20:31	50
4-Methyl-2-pentanone (MIBK)	23	U	100	23	ug/L			01/28/12 20:31	50
Styrene	3.5	U	50	3.5	ug/L			01/28/12 20:31	50
1,1,2,2-Tetrachloroethane	11	U	50	11	ug/L			01/28/12 20:31	50
Tetrachloroethene	6.5	U	50	6.5	ug/L			01/28/12 20:31	50
Toluene	**31**	**J**	50	7.5	ug/L			01/28/12 20:31	50
1,1,1-Trichloroethane	7.5	U	50	7.5	ug/L			01/28/12 20:31	50
1,1,2-Trichloroethane	14	U	50	14	ug/L			01/28/12 20:31	50
Trichloroethene	9.0	U	50	9.0	ug/L			01/28/12 20:31	50
Vinyl acetate	11	U	100	11	ug/L			01/28/12 20:31	50
o-Xylene	6.0	U	50	6.0	ug/L			01/28/12 20:31	50
m-Xylene & p-Xylene	8.5	U	50	8.5	ug/L			01/28/12 20:31	50
Xylenes, Total	13	U	50	13	ug/L			01/28/12 20:31	50
cis-1,2-Dichloroethene	3.0	U	50	3.0	ug/L			01/28/12 20:31	50
Bromodichloromethane	8.0	U	50	8.0	ug/L			01/28/12 20:31	50
1,2-Dichloroethene, Total	**340**		50	15	ug/L			01/28/12 20:31	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*88*		*70 - 130*		*01/28/12 20:31*	*50*
Dibromofluoromethane	*82*		*62 - 130*		*01/28/12 20:31*	*50*
4-Bromofluorobenzene	*75*		*67 - 139*		*01/28/12 20:31*	*50*
1,2-Dichloroethane-d4 (Surr)	*90*		*50 - 134*		*01/28/12 20:31*	*50*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**7100**		2000	110	ug/L			01/30/12 20:41	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*90*		*70 - 130*		*01/30/12 20:41*	*1000*
Dibromofluoromethane	*84*		*62 - 130*		*01/30/12 20:41*	*1000*
4-Bromofluorobenzene	*83*		*67 - 139*		*01/30/12 20:41*	*1000*
1,2-Dichloroethane-d4 (Surr)	*90*		*50 - 134*		*01/30/12 20:41*	*1000*

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-49053-1

Client Sample ID: MW-68-LF-2

Date Collected: 01/18/12 10:58
Date Received: 01/19/12 13:52

Lab Sample ID: 600-49053-14

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	50	U	250	50	ug/L			01/28/12 17:07	50
Benzene	**110**		50	4.0	ug/L			01/28/12 17:07	50
Chlorobromomethane	9.0	U	50	9.0	ug/L			01/28/12 17:07	50
Bromoform	9.5	U	50	9.5	ug/L			01/28/12 17:07	50
Bromomethane	13	U	100	13	ug/L			01/28/12 17:07	50
2-Butanone (MEK)	38	U	100	38	ug/L			01/28/12 17:07	50
Carbon disulfide	12	U	100	12	ug/L			01/28/12 17:07	50
Carbon tetrachloride	7.5	U	50	7.5	ug/L			01/28/12 17:07	50
Dibromochloromethane	7.5	U	50	7.5	ug/L			01/28/12 17:07	50
Chlorobenzene	**47**	**J**	50	6.0	ug/L			01/28/12 17:07	50
Chloroethane	4.0	U	100	4.0	ug/L			01/28/12 17:07	50
Chloroform	6.5	U	50	6.5	ug/L			01/28/12 17:07	50
Chloromethane	**58**	**J**	100	9.0	ug/L			01/28/12 17:07	50
1,1-Dichloroethane	**150**		50	5.5	ug/L			01/28/12 17:07	50
1,2-Dichloroethane	**40**	**J**	50	7.0	ug/L			01/28/12 17:07	50
1,1-Dichloroethene	9.5	U	50	9.5	ug/L			01/28/12 17:07	50
trans-1,2-Dichloroethene	**360**		50	4.5	ug/L			01/28/12 17:07	50
1,2-Dichloropropane	8.0	U	50	8.0	ug/L			01/28/12 17:07	50
cis-1,3-Dichloropropene	9.0	U	50	9.0	ug/L			01/28/12 17:07	50
trans-1,3-Dichloropropene	11	U	50	11	ug/L			01/28/12 17:07	50
Ethylbenzene	**200**		50	5.5	ug/L			01/28/12 17:07	50
2-Hexanone	18	U	100	18	ug/L			01/28/12 17:07	50
Methylene Chloride	7.5	U	250	7.5	ug/L			01/28/12 17:07	50
4-Methyl-2-pentanone (MIBK)	23	U	100	23	ug/L			01/28/12 17:07	50
Styrene	3.5	U	50	3.5	ug/L			01/28/12 17:07	50
1,1,2,2-Tetrachloroethane	11	U	50	11	ug/L			01/28/12 17:07	50
Tetrachloroethene	6.5	U	50	6.5	ug/L			01/28/12 17:07	50
Toluene	**39**	**J**	50	7.5	ug/L			01/28/12 17:07	50
1,1,1-Trichloroethane	7.5	U	50	7.5	ug/L			01/28/12 17:07	50
1,1,2-Trichloroethane	14	U	50	14	ug/L			01/28/12 17:07	50
Trichloroethene	9.0	U	50	9.0	ug/L			01/28/12 17:07	50
Vinyl acetate	11	U	100	11	ug/L			01/28/12 17:07	50
o-Xylene	6.0	U	50	6.0	ug/L			01/28/12 17:07	50
m-Xylene & p-Xylene	**190**		50	8.5	ug/L			01/28/12 17:07	50
Xylenes, Total	**190**		50	13	ug/L			01/28/12 17:07	50
cis-1,2-Dichloroethene	3.0	U	50	3.0	ug/L			01/28/12 17:07	50
Bromodichloromethane	8.0	U	50	8.0	ug/L			01/28/12 17:07	50
1,2-Dichloroethene, Total	**360**		50	15	ug/L			01/28/12 17:07	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*70 - 130*		*01/28/12 17:07*	*50*
Dibromofluoromethane	*94*		*62 - 130*		*01/28/12 17:07*	*50*
4-Bromofluorobenzene	*94*		*67 - 139*		*01/28/12 17:07*	*50*
1,2-Dichloroethane-d4 (Surr)	*90*		*50 - 134*		*01/28/12 17:07*	*50*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**5000**		500	28	ug/L			01/30/12 14:37	250

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*70 - 130*		*01/30/12 14:37*	*250*
Dibromofluoromethane	*104*		*62 - 130*		*01/30/12 14:37*	*250*

Client Sample ID: MW-68-LF-2

Lab Sample ID: 600-49053-14

Date Collected: 01/18/12 10:58

Matrix: Water

Date Received: 01/19/12 13:52

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	*93*		*67 - 139*		*01/30/12 14:37*	*250*
1,2-Dichloroethane-d4 (Surr)	*100*		*50 - 134*		*01/30/12 14:37*	*250*

Client Sample ID: MW-4-PRELF-2

Lab Sample ID: 600-49053-15

Date Collected: 01/18/12 11:15

Matrix: Water

Date Received: 01/19/12 13:52

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	50	U	250	50	ug/L			01/28/12 17:35	50
Chlorobromomethane	9.0	U	50	9.0	ug/L			01/28/12 17:35	50
Bromoform	9.5	U	50	9.5	ug/L			01/28/12 17:35	50
Bromomethane	13	U	100	13	ug/L			01/28/12 17:35	50
2-Butanone (MEK)	38	U	100	38	ug/L			01/28/12 17:35	50
Carbon disulfide	12	U	100	12	ug/L			01/28/12 17:35	50
Carbon tetrachloride	7.5	U	50	7.5	ug/L			01/28/12 17:35	50
Dibromochloromethane	7.5	U	50	7.5	ug/L			01/28/12 17:35	50
Chlorobenzene	**840**		50	6.0	ug/L			01/28/12 17:35	50
Chloroethane	4.0	U	100	4.0	ug/L			01/28/12 17:35	50
Chloroform	6.5	U	50	6.5	ug/L			01/28/12 17:35	50
Chloromethane	9.0	U	100	9.0	ug/L			01/28/12 17:35	50
1,2-Dichloropropane	8.0	U	50	8.0	ug/L			01/28/12 17:35	50
cis-1,3-Dichloropropene	9.0	U	50	9.0	ug/L			01/28/12 17:35	50
trans-1,3-Dichloropropene	11	U	50	11	ug/L			01/28/12 17:35	50
Ethylbenzene	**610**		50	5.5	ug/L			01/28/12 17:35	50
2-Hexanone	18	U	100	18	ug/L			01/28/12 17:35	50
Methylene Chloride	7.5	U	250	7.5	ug/L			01/28/12 17:35	50
4-Methyl-2-pentanone (MIBK)	23	U	100	23	ug/L			01/28/12 17:35	50
Styrene	**11**	**J**	50	3.5	ug/L			01/28/12 17:35	50
1,1,2,2-Tetrachloroethane	11	U	50	11	ug/L			01/28/12 17:35	50
Tetrachloroethene	**310**		50	6.5	ug/L			01/28/12 17:35	50
Toluene	**200**		50	7.5	ug/L			01/28/12 17:35	50
1,1,1-Trichloroethane	7.5	U	50	7.5	ug/L			01/28/12 17:35	50
1,1,2-Trichloroethane	14	U	50	14	ug/L			01/28/12 17:35	50
Trichloroethene	**1600**		50	9.0	ug/L			01/28/12 17:35	50
Vinyl acetate	11	U	100	11	ug/L			01/28/12 17:35	50
o-Xylene	**19**	**J**	50	6.0	ug/L			01/28/12 17:35	50
m-Xylene & p-Xylene	**130**		50	8.5	ug/L			01/28/12 17:35	50
Xylenes, Total	**150**		50	13	ug/L			01/28/12 17:35	50
Bromodichloromethane	8.0	U	50	8.0	ug/L			01/28/12 17:35	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*97*		*70 - 130*		*01/28/12 17:35*	*50*
Dibromofluoromethane	*97*		*62 - 130*		*01/28/12 17:35*	*50*
4-Bromofluorobenzene	*96*		*67 - 139*		*01/28/12 17:35*	*50*
1,2-Dichloroethane-d4 (Surr)	*80*		*50 - 134*		*01/28/12 17:35*	*50*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**4700**		1000	80	ug/L			01/30/12 12:44	1000
1,1-Dichloroethane	**4700**		1000	110	ug/L			01/30/12 12:44	1000

Client Sample ID: MW-4-PRELF-2

Lab Sample ID: 600-49053-15

Date Collected: 01/18/12 11:15

Matrix: Water

Date Received: 01/19/12 13:52

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	**10000**		1000	190	ug/L			01/30/12 12:44	1000
trans-1,2-Dichloroethene	**11000**		1000	90	ug/L			01/30/12 12:44	1000
cis-1,2-Dichloroethene	**5700**		1000	60	ug/L			01/30/12 12:44	1000
1,2-Dichloroethene, Total	**17000**		1000	300	ug/L			01/30/12 12:44	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*70 - 130*		*01/30/12 12:44*	*1000*
Dibromofluoromethane	*98*		*62 - 130*		*01/30/12 12:44*	*1000*
4-Bromofluorobenzene	*93*		*67 - 139*		*01/30/12 12:44*	*1000*
1,2-Dichloroethane-d4 (Surr)	*86*		*50 - 134*		*01/30/12 12:44*	*1000*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	**77000**		10000	1400	ug/L			01/30/12 14:09	10000
Vinyl chloride	**190000**		20000	1100	ug/L			01/30/12 14:09	10000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*70 - 130*		*01/30/12 14:09*	*10000*
Dibromofluoromethane	*101*		*62 - 130*		*01/30/12 14:09*	*10000*
4-Bromofluorobenzene	*91*		*67 - 139*		*01/30/12 14:09*	*10000*
1,2-Dichloroethane-d4 (Surr)	*100*		*50 - 134*		*01/30/12 14:09*	*10000*

Client Sample ID: MW-4-LF-2

Lab Sample ID: 600-49053-16

Date Collected: 01/18/12 11:32

Matrix: Water

Date Received: 01/19/12 13:52

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	200	U	1000	200	ug/L			01/28/12 18:04	200
Benzene	**4500**		200	16	ug/L			01/28/12 18:04	200
Chlorobromomethane	36	U	200	36	ug/L			01/28/12 18:04	200
Bromoform	38	U	200	38	ug/L			01/28/12 18:04	200
Bromomethane	50	U	400	50	ug/L			01/28/12 18:04	200
2-Butanone (MEK)	150	U	400	150	ug/L			01/28/12 18:04	200
Carbon disulfide	48	U	400	48	ug/L			01/28/12 18:04	200
Carbon tetrachloride	30	U	200	30	ug/L			01/28/12 18:04	200
Dibromochloromethane	30	U	200	30	ug/L			01/28/12 18:04	200
Chlorobenzene	**960**		200	24	ug/L			01/28/12 18:04	200
Chloroethane	16	U	400	16	ug/L			01/28/12 18:04	200
Chloroform	26	U	200	26	ug/L			01/28/12 18:04	200
Chloromethane	36	U	400	36	ug/L			01/28/12 18:04	200
1,1-Dichloroethane	**5000**		200	22	ug/L			01/28/12 18:04	200
1,1-Dichloroethene	**7700**		200	38	ug/L			01/28/12 18:04	200
trans-1,2-Dichloroethene	**9400**		200	18	ug/L			01/28/12 18:04	200
1,2-Dichloropropane	32	U	200	32	ug/L			01/28/12 18:04	200
cis-1,3-Dichloropropene	36	U	200	36	ug/L			01/28/12 18:04	200
trans-1,3-Dichloropropene	42	U	200	42	ug/L			01/28/12 18:04	200
Ethylbenzene	**680**		200	22	ug/L			01/28/12 18:04	200
2-Hexanone	70	U	400	70	ug/L			01/28/12 18:04	200
Methylene Chloride	30	U	1000	30	ug/L			01/28/12 18:04	200
4-Methyl-2-pentanone (MIBK)	90	U	400	90	ug/L			01/28/12 18:04	200
Styrene	14	U	200	14	ug/L			01/28/12 18:04	200

Client Sample ID: MW-4-LF-2

Lab Sample ID: 600-49053-16

Date Collected: 01/18/12 11:32

Matrix: Water

Date Received: 01/19/12 13:52

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	44	U	200	44	ug/L			01/28/12 18:04	200
Tetrachloroethene	**350**		200	26	ug/L			01/28/12 18:04	200
Toluene	**230**		200	30	ug/L			01/28/12 18:04	200
1,1,1-Trichloroethane	30	U	200	30	ug/L			01/28/12 18:04	200
1,1,2-Trichloroethane	56	U	200	56	ug/L			01/28/12 18:04	200
Trichloroethene	**1600**		200	36	ug/L			01/28/12 18:04	200
Vinyl acetate	42	U	400	42	ug/L			01/28/12 18:04	200
o-Xylene	24	U	200	24	ug/L			01/28/12 18:04	200
m-Xylene & p-Xylene	**480**		200	34	ug/L			01/28/12 18:04	200
Xylenes, Total	**480**		200	52	ug/L			01/28/12 18:04	200
cis-1,2-Dichloroethene	**4900**		200	12	ug/L			01/28/12 18:04	200
Bromodichloromethane	32	U	200	32	ug/L			01/28/12 18:04	200
1,2-Dichloroethene, Total	**14000**		200	60	ug/L			01/28/12 18:04	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*70 - 130*		*01/28/12 18:04*	*200*
Dibromofluoromethane	*94*		*62 - 130*		*01/28/12 18:04*	*200*
4-Bromofluorobenzene	*94*		*67 - 139*		*01/28/12 18:04*	*200*
1,2-Dichloroethane-d4 (Surr)	*82*		*50 - 134*		*01/28/12 18:04*	*200*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	**77000**		10000	1400	ug/L			01/30/12 15:05	10000
Vinyl chloride	**180000**		20000	1100	ug/L			01/30/12 15:05	10000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*70 - 130*		*01/30/12 15:05*	*10000*
Dibromofluoromethane	*101*		*62 - 130*		*01/30/12 15:05*	*10000*
4-Bromofluorobenzene	*93*		*67 - 139*		*01/30/12 15:05*	*10000*
1,2-Dichloroethane-d4 (Surr)	*98*		*50 - 134*		*01/30/12 15:05*	*10000*

Client Sample ID: DUP-LF-2

Lab Sample ID: 600-49053-17

Date Collected: 01/18/12 00:00

Matrix: Water

Date Received: 01/19/12 13:52

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	50	U	250	50	ug/L			01/28/12 19:00	50
Benzene	**110**		50	4.0	ug/L			01/28/12 19:00	50
Chlorobromomethane	9.0	U	50	9.0	ug/L			01/28/12 19:00	50
Bromoform	9.5	U	50	9.5	ug/L			01/28/12 19:00	50
Bromomethane	13	U	100	13	ug/L			01/28/12 19:00	50
2-Butanone (MEK)	38	U	100	38	ug/L			01/28/12 19:00	50
Carbon disulfide	12	U	100	12	ug/L			01/28/12 19:00	50
Carbon tetrachloride	7.5	U	50	7.5	ug/L			01/28/12 19:00	50
Dibromochloromethane	7.5	U	50	7.5	ug/L			01/28/12 19:00	50
Chlorobenzene	**46**	**J**	50	6.0	ug/L			01/28/12 19:00	50
Chloroethane	4.0	U	100	4.0	ug/L			01/28/12 19:00	50
Chloroform	6.5	U	50	6.5	ug/L			01/28/12 19:00	50
Chloromethane	9.0	U	100	9.0	ug/L			01/28/12 19:00	50
1,1-Dichloroethane	**140**		50	5.5	ug/L			01/28/12 19:00	50
1,2-Dichloroethane	**44**	**J**	50	7.0	ug/L			01/28/12 19:00	50

Client Sample ID: DUP-LF-2

Lab Sample ID: 600-49053-17

Date Collected: 01/18/12 00:00

Matrix: Water

Date Received: 01/19/12 13:52

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	**15**	**J**	50	9.5	ug/L			01/28/12 19:00	50
trans-1,2-Dichloroethene	**360**		50	4.5	ug/L			01/28/12 19:00	50
1,2-Dichloropropane	8.0	U	50	8.0	ug/L			01/28/12 19:00	50
cis-1,3-Dichloropropene	9.0	U	50	9.0	ug/L			01/28/12 19:00	50
trans-1,3-Dichloropropene	11	U	50	11	ug/L			01/28/12 19:00	50
Ethylbenzene	**200**		50	5.5	ug/L			01/28/12 19:00	50
2-Hexanone	18	U	100	18	ug/L			01/28/12 19:00	50
Methylene Chloride	7.5	U	250	7.5	ug/L			01/28/12 19:00	50
4-Methyl-2-pentanone (MIBK)	23	U	100	23	ug/L			01/28/12 19:00	50
Styrene	3.5	U	50	3.5	ug/L			01/28/12 19:00	50
1,1,2,2-Tetrachloroethane	11	U	50	11	ug/L			01/28/12 19:00	50
Tetrachloroethene	6.5	U	50	6.5	ug/L			01/28/12 19:00	50
Toluene	**43**	**J**	50	7.5	ug/L			01/28/12 19:00	50
1,1,1-Trichloroethane	7.5	U	50	7.5	ug/L			01/28/12 19:00	50
1,1,2-Trichloroethane	14	U	50	14	ug/L			01/28/12 19:00	50
Trichloroethene	9.0	U	50	9.0	ug/L			01/28/12 19:00	50
Vinyl acetate	11	U	100	11	ug/L			01/28/12 19:00	50
o-Xylene	6.0	U	50	6.0	ug/L			01/28/12 19:00	50
m-Xylene & p-Xylene	**190**		50	8.5	ug/L			01/28/12 19:00	50
Xylenes, Total	**190**		50	13	ug/L			01/28/12 19:00	50
cis-1,2-Dichloroethene	**13**	**J**	50	3.0	ug/L			01/28/12 19:00	50
Bromodichloromethane	8.0	U	50	8.0	ug/L			01/28/12 19:00	50
1,2-Dichloroethene, Total	**370**		50	15	ug/L			01/28/12 19:00	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*70 - 130*		*01/28/12 19:00*	*50*
Dibromofluoromethane	*94*		*62 - 130*		*01/28/12 19:00*	*50*
4-Bromofluorobenzene	*92*		*67 - 139*		*01/28/12 19:00*	*50*
1,2-Dichloroethane-d4 (Surr)	*92*		*50 - 134*		*01/28/12 19:00*	*50*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**4600**		500	28	ug/L			01/30/12 15:33	250

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*70 - 130*		*01/30/12 15:33*	*250*
Dibromofluoromethane	*99*		*62 - 130*		*01/30/12 15:33*	*250*
4-Bromofluorobenzene	*96*		*67 - 139*		*01/30/12 15:33*	*250*
1,2-Dichloroethane-d4 (Surr)	*99*		*50 - 134*		*01/30/12 15:33*	*250*

Client Sample ID: TRIP BLANK

Lab Sample ID: 600-49053-18

Date Collected: 01/18/12 00:00

Matrix: Water

Date Received: 01/19/12 13:52

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			01/30/12 12:15	1
Benzene	0.080	U	1.0	0.080	ug/L			01/30/12 12:15	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			01/30/12 12:15	1
Bromoform	0.19	U	1.0	0.19	ug/L			01/30/12 12:15	1
Bromomethane	0.25	U	2.0	0.25	ug/L			01/30/12 12:15	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			01/30/12 12:15	1

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-49053-1

Client Sample ID: TRIP BLANK
Date Collected: 01/18/12 00:00
Date Received: 01/19/12 13:52

Lab Sample ID: 600-49053-18
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.24	U	2.0	0.24	ug/L			01/30/12 12:15	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			01/30/12 12:15	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			01/30/12 12:15	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			01/30/12 12:15	1
Chloroethane	0.080	U	2.0	0.080	ug/L			01/30/12 12:15	1
Chloroform	0.13	U	1.0	0.13	ug/L			01/30/12 12:15	1
Chloromethane	0.18	U	2.0	0.18	ug/L			01/30/12 12:15	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			01/30/12 12:15	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			01/30/12 12:15	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			01/30/12 12:15	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			01/30/12 12:15	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			01/30/12 12:15	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			01/30/12 12:15	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			01/30/12 12:15	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			01/30/12 12:15	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			01/30/12 12:15	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			01/30/12 12:15	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			01/30/12 12:15	1
Styrene	0.070	U	1.0	0.070	ug/L			01/30/12 12:15	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			01/30/12 12:15	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			01/30/12 12:15	1
Toluene	0.15	U	1.0	0.15	ug/L			01/30/12 12:15	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			01/30/12 12:15	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			01/30/12 12:15	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			01/30/12 12:15	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			01/30/12 12:15	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			01/30/12 12:15	1
o-Xylene	0.12	U	1.0	0.12	ug/L			01/30/12 12:15	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			01/30/12 12:15	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			01/30/12 12:15	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			01/30/12 12:15	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			01/30/12 12:15	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			01/30/12 12:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*70 - 130*		*01/30/12 12:15*	*1*
Dibromofluoromethane	*103*		*62 - 130*		*01/30/12 12:15*	*1*
4-Bromofluorobenzene	*92*		*67 - 139*		*01/30/12 12:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*50 - 134*		*01/30/12 12:15*	*1*

Surrogate Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-49053-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DBFM	BFB	12DCE
Lab Sample ID	Client Sample ID	(70-130)	(62-130)	(67-139)	(50-134)
600-49053-1	MW-71-PRELF-2	94	85	81	52
600-49053-1 - DL2	MW-71-PRELF-2	91	83	82	88
600-49053-1 - DL	MW-71-PRELF-2	92	78	74	84
600-49053-1 MS - DL2	MW-71-PRELF-2	93	82	79	101
600-49053-1 MSD - DL2	MW-71-PRELF-2	95	81	75	98
600-49053-2	MW-71-LF-2	89	70	82	70
600-49053-2 - DL2	MW-71-LF-2	95	76	77	99
600-49053-2 - DL	MW-71-LF-2	91	85	82	64
600-49053-3 - DL	MW-8-PRELF-2	84	81	84	88
600-49053-3	MW-8-PRELF-2	93	83	86	92
600-49053-4 - DL	MW-8-LF-2	94	67	76	86
600-49053-4	MW-8-LF-2	92	80	81	92
600-49053-5	MW-11-PRELF-2	93	77	84	85
600-49053-5 - DL	MW-11-PRELF-2	92	83	82	81
600-49053-6	MW-11-LF-2	92	68	81	85
600-49053-6 - DL	MW-11-LF-2	93	84	79	80
600-49053-7	MW-40-PRELF-2	90	79	82	85
600-49053-7 - DL	MW-40-PRELF-2	90	76	91	77
600-49053-8 - DL	MW-40-LF-2	94	77	84	81
600-49053-8	MW-40-LF-2	94	82	95	93
600-49053-9	MW-66-PRELF-2	93	78	82	54
600-49053-9 - DL	MW-66-PRELF-2	92	80	82	57
600-49053-9 - DL2	MW-66-PRELF-2	94	85	83	95
600-49053-10	MW-66-LF-2	87	81	78	50
600-49053-10 - DL	MW-66-LF-2	94	67	83	65
600-49053-10 - DL2	MW-66-LF-2	89	73	85	89
600-49053-11	MW-65-PRELF-2	91	65	78	96
600-49053-11 - DL	MW-65-PRELF-2	91	84	83	89
600-49053-11 - DL2	MW-65-PRELF-2	88	77	73	89
600-49053-12	MW-65-LF-2	94	80	83	80
600-49053-12 - DL	MW-65-LF-2	90	85	75	87
600-49053-13	MW-68-PRELF-2	88	82	75	90
600-49053-13 - DL	MW-68-PRELF-2	90	84	83	90
600-49053-14	MW-68-LF-2	98	94	94	90
600-49053-14 - DL	MW-68-LF-2	100	104	93	100
600-49053-15	MW-4-PRELF-2	97	97	96	80
600-49053-15 - DL	MW-4-PRELF-2	97	98	93	86
600-49053-15 - DL2	MW-4-PRELF-2	98	101	91	100
600-49053-15 MS - DL2	MW-4-PRELF-2	99	100	90	89
600-49053-15 MSD - DL2	MW-4-PRELF-2	98	99	93	99
600-49053-16	MW-4-LF-2	98	94	94	82
600-49053-16 - DL	MW-4-LF-2	99	101	93	98
600-49053-17	DUP-LF-2	99	94	92	92
600-49053-17 - DL	DUP-LF-2	101	99	96	99
600-49053-18	TRIP BLANK	99	103	92	98
LCS 600-71120/3	Lab Control Sample	98	81	84	92
LCS 600-71121/3	Lab Control Sample	103	90	91	85
LCS 600-71183/3	Lab Control Sample	103	96	85	101
LCS 600-71238/3	Lab Control Sample	101	102	88	99
MB 600-71120/4	Method Blank	89	77	77	90

Surrogate Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-49053-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DBFM	BFB	12DCE
Lab Sample ID	Client Sample ID	(70-130)	(62-130)	(67-139)	(50-134)
MB 600-71121/4	Method Blank	98	91	93	88
MB 600-71183/4	Method Blank	94	81	88	86
MB 600-71238/4	Method Blank	100	103	92	98

Surrogate Legend

TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane
BFB = 4-Bromofluorobenzene
12DCE = 1,2-Dichloroethane-d4 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 600-71120/4
Matrix: Water
Analysis Batch: 71120

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			01/28/12 10:48	1
Benzene	0.080	U	1.0	0.080	ug/L			01/28/12 10:48	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			01/28/12 10:48	1
Bromoform	0.19	U	1.0	0.19	ug/L			01/28/12 10:48	1
Bromomethane	0.25	U	2.0	0.25	ug/L			01/28/12 10:48	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			01/28/12 10:48	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			01/28/12 10:48	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			01/28/12 10:48	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			01/28/12 10:48	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			01/28/12 10:48	1
Chloroethane	0.080	U	2.0	0.080	ug/L			01/28/12 10:48	1
Chloroform	0.13	U	1.0	0.13	ug/L			01/28/12 10:48	1
Chloromethane	0.18	U	2.0	0.18	ug/L			01/28/12 10:48	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			01/28/12 10:48	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			01/28/12 10:48	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			01/28/12 10:48	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			01/28/12 10:48	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			01/28/12 10:48	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			01/28/12 10:48	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			01/28/12 10:48	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			01/28/12 10:48	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			01/28/12 10:48	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			01/28/12 10:48	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			01/28/12 10:48	1
Styrene	0.070	U	1.0	0.070	ug/L			01/28/12 10:48	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			01/28/12 10:48	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			01/28/12 10:48	1
Toluene	0.15	U	1.0	0.15	ug/L			01/28/12 10:48	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			01/28/12 10:48	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			01/28/12 10:48	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			01/28/12 10:48	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			01/28/12 10:48	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			01/28/12 10:48	1
o-Xylene	0.12	U	1.0	0.12	ug/L			01/28/12 10:48	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			01/28/12 10:48	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			01/28/12 10:48	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			01/28/12 10:48	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			01/28/12 10:48	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			01/28/12 10:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*89*		*70 - 130*		*01/28/12 10:48*	*1*
Dibromofluoromethane	*77*		*62 - 130*		*01/28/12 10:48*	*1*
4-Bromofluorobenzene	*77*		*67 - 139*		*01/28/12 10:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*50 - 134*		*01/28/12 10:48*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-71120/3
Matrix: Water
Analysis Batch: 71120

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	20.2		ug/L		101	28 - 152
Benzene	10.0	10.6		ug/L		106	69 - 131
Chlorobromomethane	10.0	8.46		ug/L		85	60 - 141
Bromoform	10.0	12.0		ug/L		120	39 - 149
Bromomethane	10.0	7.28		ug/L		73	52 - 146
2-Butanone (MEK)	20.0	25.2		ug/L		126	59 - 133
Carbon disulfide	10.0	7.83		ug/L		78	32 - 177
Carbon tetrachloride	10.0	8.72		ug/L		87	59 - 147
Dibromochloromethane	10.0	9.69		ug/L		97	58 - 132
Chlorobenzene	10.0	10.1		ug/L		101	60 - 136
Chloroethane	10.0	9.99		ug/L		100	56 - 144
Chloroform	10.0	10.1		ug/L		101	69 - 128
Chloromethane	10.0	5.92		ug/L		59	32 - 151
1,1-Dichloroethane	10.0	10.1		ug/L		101	66 - 126
1,2-Dichloroethane	10.0	10.8		ug/L		108	66 - 140
1,1-Dichloroethene	10.0	6.86		ug/L		69	59 - 145
trans-1,2-Dichloroethene	10.0	8.15		ug/L		81	70 - 132
1,2-Dichloropropane	10.0	11.1		ug/L		111	72 - 125
cis-1,3-Dichloropropene	10.0	10.4		ug/L		104	60 - 135
trans-1,3-Dichloropropene	10.0	11.2		ug/L		112	63 - 133
Ethylbenzene	10.0	10.5		ug/L		105	68 - 128
2-Hexanone	20.0	16.0		ug/L		80	51 - 130
Methylene Chloride	10.0	7.86		ug/L		79	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	24.8		ug/L		124	56 - 142
Styrene	10.0	10.5		ug/L		105	68 - 133
1,1,2,2-Tetrachloroethane	10.0	10.3		ug/L		103	68 - 134
Tetrachloroethene	10.0	11.2		ug/L		112	61 - 142
Toluene	10.0	9.87		ug/L		99	67 - 130
1,1,1-Trichloroethane	10.0	9.81		ug/L		98	65 - 142
1,1,2-Trichloroethane	10.0	9.83		ug/L		98	68 - 130
Trichloroethene	10.0	9.83		ug/L		98	68 - 130
Vinyl acetate	10.0	11.2		ug/L		112	58 - 175
Vinyl chloride	10.0	6.21		ug/L		62	47 - 146
o-Xylene	10.0	10.4		ug/L		104	68 - 134
m-Xylene & p-Xylene	20.0	20.7		ug/L		103	67 - 132
Xylenes, Total	30.0	31.1		ug/L		104	68 - 132
cis-1,2-Dichloroethene	10.0	9.40		ug/L		94	69 - 129
Bromodichloromethane	10.0	10.8		ug/L		108	73 - 130
1,2-Dichloroethene, Total	20.0	17.6		ug/L		88	65 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*98*		*70 - 130*
Dibromofluoromethane	*81*		*62 - 130*
4-Bromofluorobenzene	*84*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*92*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 600-71121/4
Matrix: Water
Analysis Batch: 71121

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			01/28/12 11:18	1
Benzene	0.080	U	1.0	0.080	ug/L			01/28/12 11:18	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			01/28/12 11:18	1
Bromoform	0.19	U	1.0	0.19	ug/L			01/28/12 11:18	1
Bromomethane	0.25	U	2.0	0.25	ug/L			01/28/12 11:18	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			01/28/12 11:18	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			01/28/12 11:18	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			01/28/12 11:18	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			01/28/12 11:18	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			01/28/12 11:18	1
Chloroethane	0.080	U	2.0	0.080	ug/L			01/28/12 11:18	1
Chloroform	0.13	U	1.0	0.13	ug/L			01/28/12 11:18	1
Chloromethane	0.18	U	2.0	0.18	ug/L			01/28/12 11:18	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			01/28/12 11:18	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			01/28/12 11:18	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			01/28/12 11:18	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			01/28/12 11:18	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			01/28/12 11:18	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			01/28/12 11:18	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			01/28/12 11:18	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			01/28/12 11:18	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			01/28/12 11:18	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			01/28/12 11:18	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			01/28/12 11:18	1
Styrene	0.070	U	1.0	0.070	ug/L			01/28/12 11:18	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			01/28/12 11:18	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			01/28/12 11:18	1
Toluene	0.15	U	1.0	0.15	ug/L			01/28/12 11:18	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			01/28/12 11:18	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			01/28/12 11:18	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			01/28/12 11:18	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			01/28/12 11:18	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			01/28/12 11:18	1
o-Xylene	0.12	U	1.0	0.12	ug/L			01/28/12 11:18	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			01/28/12 11:18	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			01/28/12 11:18	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			01/28/12 11:18	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			01/28/12 11:18	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			01/28/12 11:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*70 - 130*		*01/28/12 11:18*	*1*
Dibromofluoromethane	*91*		*62 - 130*		*01/28/12 11:18*	*1*
4-Bromofluorobenzene	*93*		*67 - 139*		*01/28/12 11:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*50 - 134*		*01/28/12 11:18*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-71121/3
Matrix: Water
Analysis Batch: 71121

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	10.2		ug/L		51	28 - 152
Benzene	10.0	9.59		ug/L		96	69 - 131
Chlorobromomethane	10.0	8.55		ug/L		85	60 - 141
Bromoform	10.0	9.15		ug/L		92	39 - 149
Bromomethane	10.0	5.97		ug/L		60	52 - 146
2-Butanone (MEK)	20.0	12.4		ug/L		62	59 - 133
Carbon disulfide	10.0	3.56		ug/L		36	32 - 177
Carbon tetrachloride	10.0	11.0		ug/L		110	59 - 147
Dibromochloromethane	10.0	9.42		ug/L		94	58 - 132
Chlorobenzene	10.0	9.71		ug/L		97	60 - 136
Chloroethane	10.0	6.60		ug/L		66	56 - 144
Chloroform	10.0	9.59		ug/L		96	69 - 128
Chloromethane	10.0	5.14		ug/L		51	32 - 151
1,1-Dichloroethane	10.0	7.28		ug/L		73	66 - 126
1,2-Dichloroethane	10.0	9.22		ug/L		92	66 - 140
1,1-Dichloroethene	10.0	8.80		ug/L		88	59 - 145
trans-1,2-Dichloroethene	10.0	9.43		ug/L		94	70 - 132
1,2-Dichloropropane	10.0	9.48		ug/L		95	72 - 125
cis-1,3-Dichloropropene	10.0	9.69		ug/L		97	60 - 135
trans-1,3-Dichloropropene	10.0	10.9		ug/L		109	63 - 133
Ethylbenzene	10.0	10.3		ug/L		103	68 - 128
2-Hexanone	20.0	16.1		ug/L		81	51 - 130
Methylene Chloride	10.0	9.25		ug/L		92	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	16.2		ug/L		81	56 - 142
Styrene	10.0	10.2		ug/L		102	68 - 133
1,1,2,2-Tetrachloroethane	10.0	8.32		ug/L		83	68 - 134
Tetrachloroethene	10.0	10.8		ug/L		108	61 - 142
Toluene	10.0	9.94		ug/L		99	67 - 130
1,1,1-Trichloroethane	10.0	9.46		ug/L		95	65 - 142
1,1,2-Trichloroethane	10.0	10.0		ug/L		100	68 - 130
Trichloroethene	10.0	10.2		ug/L		102	68 - 130
Vinyl acetate	10.0	9.08		ug/L		91	58 - 175
Vinyl chloride	10.0	6.48		ug/L		65	47 - 146
o-Xylene	10.0	10.0		ug/L		100	68 - 134
m-Xylene & p-Xylene	20.0	17.0		ug/L		85	67 - 132
Xylenes, Total	30.0	27.0		ug/L		90	68 - 132
cis-1,2-Dichloroethene	10.0	9.06		ug/L		91	69 - 129
Bromodichloromethane	10.0	10.0		ug/L		100	73 - 130
1,2-Dichloroethene, Total	20.0	18.5		ug/L		92	65 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*103*		*70 - 130*
Dibromofluoromethane	*90*		*62 - 130*
4-Bromofluorobenzene	*91*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*85*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 600-71183/4
Matrix: Water
Analysis Batch: 71183

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			01/30/12 11:47	1
Benzene	0.080	U	1.0	0.080	ug/L			01/30/12 11:47	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			01/30/12 11:47	1
Bromoform	0.19	U	1.0	0.19	ug/L			01/30/12 11:47	1
Bromomethane	0.25	U	2.0	0.25	ug/L			01/30/12 11:47	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			01/30/12 11:47	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			01/30/12 11:47	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			01/30/12 11:47	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			01/30/12 11:47	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			01/30/12 11:47	1
Chloroethane	0.080	U	2.0	0.080	ug/L			01/30/12 11:47	1
Chloroform	0.13	U	1.0	0.13	ug/L			01/30/12 11:47	1
Chloromethane	0.18	U	2.0	0.18	ug/L			01/30/12 11:47	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			01/30/12 11:47	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			01/30/12 11:47	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			01/30/12 11:47	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			01/30/12 11:47	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			01/30/12 11:47	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			01/30/12 11:47	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			01/30/12 11:47	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			01/30/12 11:47	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			01/30/12 11:47	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			01/30/12 11:47	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			01/30/12 11:47	1
Styrene	0.070	U	1.0	0.070	ug/L			01/30/12 11:47	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			01/30/12 11:47	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			01/30/12 11:47	1
Toluene	0.15	U	1.0	0.15	ug/L			01/30/12 11:47	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			01/30/12 11:47	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			01/30/12 11:47	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			01/30/12 11:47	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			01/30/12 11:47	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			01/30/12 11:47	1
o-Xylene	0.12	U	1.0	0.12	ug/L			01/30/12 11:47	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			01/30/12 11:47	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			01/30/12 11:47	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			01/30/12 11:47	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			01/30/12 11:47	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			01/30/12 11:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*70 - 130*		*01/30/12 11:47*	*1*
Dibromofluoromethane	*81*		*62 - 130*		*01/30/12 11:47*	*1*
4-Bromofluorobenzene	*88*		*67 - 139*		*01/30/12 11:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*86*		*50 - 134*		*01/30/12 11:47*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-71183/3
Matrix: Water
Analysis Batch: 71183

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	22.4		ug/L		112	28 - 152
Benzene	10.0	11.0		ug/L		110	69 - 131
Chlorobromomethane	10.0	9.79		ug/L		98	60 - 141
Bromoform	10.0	13.3		ug/L		133	39 - 149
Bromomethane	10.0	7.39		ug/L		74	52 - 146
2-Butanone (MEK)	20.0	23.3		ug/L		117	59 - 133
Carbon disulfide	10.0	8.20		ug/L		82	32 - 177
Carbon tetrachloride	10.0	8.77		ug/L		88	59 - 147
Dibromochloromethane	10.0	10.5		ug/L		105	58 - 132
Chlorobenzene	10.0	10.1		ug/L		101	60 - 136
Chloroethane	10.0	9.95		ug/L		100	56 - 144
Chloroform	10.0	10.8		ug/L		108	69 - 128
Chloromethane	10.0	5.77		ug/L		58	32 - 151
1,1-Dichloroethane	10.0	10.4		ug/L		104	66 - 126
1,2-Dichloroethane	10.0	12.2		ug/L		122	66 - 140
1,1-Dichloroethene	10.0	7.72		ug/L		77	59 - 145
trans-1,2-Dichloroethene	10.0	8.89		ug/L		89	70 - 132
1,2-Dichloropropane	10.0	12.0		ug/L		120	72 - 125
cis-1,3-Dichloropropene	10.0	11.4		ug/L		114	60 - 135
trans-1,3-Dichloropropene	10.0	12.0		ug/L		120	63 - 133
Ethylbenzene	10.0	11.0		ug/L		110	68 - 128
2-Hexanone	20.0	19.3		ug/L		96	51 - 130
Methylene Chloride	10.0	8.73		ug/L		87	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	31.1	*	ug/L		155	56 - 142
Styrene	10.0	10.8		ug/L		108	68 - 133
1,1,2,2-Tetrachloroethane	10.0	9.95		ug/L		99	68 - 134
Tetrachloroethene	10.0	11.9		ug/L		119	61 - 142
Toluene	10.0	10.1		ug/L		101	67 - 130
1,1,1-Trichloroethane	10.0	10.6		ug/L		106	65 - 142
1,1,2-Trichloroethane	10.0	10.7		ug/L		107	68 - 130
Trichloroethene	10.0	10.6		ug/L		106	68 - 130
Vinyl acetate	10.0	12.0		ug/L		120	58 - 175
Vinyl chloride	10.0	6.05		ug/L		60	47 - 146
o-Xylene	10.0	10.8		ug/L		108	68 - 134
m-Xylene & p-Xylene	20.0	21.2		ug/L		106	67 - 132
Xylenes, Total	30.0	32.0		ug/L		107	68 - 132
cis-1,2-Dichloroethene	10.0	9.93		ug/L		99	69 - 129
Bromodichloromethane	10.0	11.6		ug/L		116	73 - 130
1,2-Dichloroethene, Total	20.0	18.8		ug/L		94	65 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*103*		*70 - 130*
Dibromofluoromethane	*96*		*62 - 130*
4-Bromofluorobenzene	*85*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*101*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 600-71238/4
Matrix: Water
Analysis Batch: 71238

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			01/30/12 11:47	1
Benzene	0.080	U	1.0	0.080	ug/L			01/30/12 11:47	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			01/30/12 11:47	1
Bromoform	0.19	U	1.0	0.19	ug/L			01/30/12 11:47	1
Bromomethane	0.25	U	2.0	0.25	ug/L			01/30/12 11:47	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			01/30/12 11:47	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			01/30/12 11:47	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			01/30/12 11:47	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			01/30/12 11:47	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			01/30/12 11:47	1
Chloroethane	0.080	U	2.0	0.080	ug/L			01/30/12 11:47	1
Chloroform	0.13	U	1.0	0.13	ug/L			01/30/12 11:47	1
Chloromethane	0.18	U	2.0	0.18	ug/L			01/30/12 11:47	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			01/30/12 11:47	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			01/30/12 11:47	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			01/30/12 11:47	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			01/30/12 11:47	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			01/30/12 11:47	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			01/30/12 11:47	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			01/30/12 11:47	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			01/30/12 11:47	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			01/30/12 11:47	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			01/30/12 11:47	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			01/30/12 11:47	1
Styrene	0.070	U	1.0	0.070	ug/L			01/30/12 11:47	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			01/30/12 11:47	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			01/30/12 11:47	1
Toluene	0.15	U	1.0	0.15	ug/L			01/30/12 11:47	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			01/30/12 11:47	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			01/30/12 11:47	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			01/30/12 11:47	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			01/30/12 11:47	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			01/30/12 11:47	1
o-Xylene	0.12	U	1.0	0.12	ug/L			01/30/12 11:47	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			01/30/12 11:47	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			01/30/12 11:47	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			01/30/12 11:47	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			01/30/12 11:47	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			01/30/12 11:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*70 - 130*		*01/30/12 11:47*	*1*
Dibromofluoromethane	*103*		*62 - 130*		*01/30/12 11:47*	*1*
4-Bromofluorobenzene	*92*		*67 - 139*		*01/30/12 11:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*50 - 134*		*01/30/12 11:47*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-71238/3
Matrix: Water
Analysis Batch: 71238

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	17.6		ug/L		88	28 - 152
Benzene	10.0	9.82		ug/L		98	69 - 131
Chlorobromomethane	10.0	9.78		ug/L		98	60 - 141
Bromoform	10.0	9.86		ug/L		99	39 - 149
Bromomethane	10.0	8.08		ug/L		81	52 - 146
2-Butanone (MEK)	20.0	18.6		ug/L		93	59 - 133
Carbon disulfide	10.0	15.5		ug/L		155	32 - 177
Carbon tetrachloride	10.0	10.7		ug/L		107	59 - 147
Dibromochloromethane	10.0	9.68		ug/L		97	58 - 132
Chlorobenzene	10.0	9.42		ug/L		94	60 - 136
Chloroethane	10.0	8.30		ug/L		83	56 - 144
Chloroform	10.0	9.44		ug/L		94	69 - 128
Chloromethane	10.0	6.59		ug/L		66	32 - 151
1,1-Dichloroethane	10.0	10.5		ug/L		105	66 - 126
1,2-Dichloroethane	10.0	9.84		ug/L		98	66 - 140
1,1-Dichloroethene	10.0	11.1		ug/L		111	59 - 145
trans-1,2-Dichloroethene	10.0	11.0		ug/L		110	70 - 132
1,2-Dichloropropane	10.0	10.3		ug/L		103	72 - 125
cis-1,3-Dichloropropene	10.0	9.92		ug/L		99	60 - 135
trans-1,3-Dichloropropene	10.0	11.0		ug/L		110	63 - 133
Ethylbenzene	10.0	10.1		ug/L		101	68 - 128
2-Hexanone	20.0	16.7		ug/L		84	51 - 130
Methylene Chloride	10.0	11.5		ug/L		115	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	17.8		ug/L		89	56 - 142
Styrene	10.0	10.0		ug/L		100	68 - 133
1,1,2,2-Tetrachloroethane	10.0	8.54		ug/L		85	68 - 134
Tetrachloroethene	10.0	10.4		ug/L		104	61 - 142
Toluene	10.0	9.59		ug/L		96	67 - 130
1,1,1-Trichloroethane	10.0	10.3		ug/L		103	65 - 142
1,1,2-Trichloroethane	10.0	10.0		ug/L		100	68 - 130
Trichloroethene	10.0	10.5		ug/L		105	68 - 130
Vinyl acetate	10.0	11.1		ug/L		111	58 - 175
Vinyl chloride	10.0	7.30		ug/L		73	47 - 146
o-Xylene	10.0	9.98		ug/L		100	68 - 134
m-Xylene & p-Xylene	20.0	16.9		ug/L		85	67 - 132
Xylenes, Total	30.0	26.9		ug/L		90	68 - 132
cis-1,2-Dichloroethene	10.0	10.1		ug/L		101	69 - 129
Bromodichloromethane	10.0	9.58		ug/L		96	73 - 130
1,2-Dichloroethene, Total	20.0	21.1		ug/L		106	65 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*101*		*70 - 130*
Dibromofluoromethane	*102*		*62 - 130*
4-Bromofluorobenzene	*88*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*99*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2

Lab Sample ID: 600-49053-1 MS
Matrix: Water
Analysis Batch: 71183

Client Sample ID: MW-71-PRELF-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone - DL2	5000		100000	124000		ug/L		124	60 - 140
Benzene - DL2	3700		50000	56600		ug/L		106	65 - 125
Chlorobromomethane - DL2	900		50000	50100		ug/L		100	60 - 140
Bromoform - DL2	950		50000	58300		ug/L		117	60 - 140
Bromomethane - DL2	1300		50000	34100		ug/L		68	60 - 140
2-Butanone (MEK) - DL2	3800		100000	125000		ug/L		125	60 - 140
Carbon disulfide - DL2	1200		50000	37700		ug/L		75	60 - 140
Carbon tetrachloride - DL2	750		50000	40400		ug/L		81	60 - 140
Dibromochloromethane - DL2	750		50000	51800		ug/L		104	60 - 140
Chlorobenzene - DL2	600		50000	46900		ug/L		94	72 - 122
Chloroethane - DL2	400		50000	49400		ug/L		99	60 - 140
Chloroform - DL2	650		50000	48000		ug/L		96	60 - 140
Chloromethane - DL2	900		50000	29400	F	ug/L		59	60 - 140
1,1-Dichloroethane - DL2	550		50000	51900		ug/L		104	60 - 140
1,2-Dichloroethane - DL2	51000		50000	115000		ug/L		127	60 - 140
1,1-Dichloroethene - DL2	950		50000	36500		ug/L		73	22 - 143
trans-1,2-Dichloroethene - DL2	450		50000	47400		ug/L		95	60 - 140
1,2-Dichloropropane - DL2	800		50000	54500		ug/L		109	60 - 140
cis-1,3-Dichloropropene - DL2	900		50000	50700		ug/L		101	60 - 140
trans-1,3-Dichloropropene - DL2	1100		50000	50300		ug/L		101	60 - 140
Ethylbenzene - DL2	550		50000	51300		ug/L		103	60 - 140
2-Hexanone - DL2	1800		100000	84700		ug/L		85	60 - 140
Methylene Chloride - DL2	750		50000	41500		ug/L		83	60 - 140
4-Methyl-2-pentanone (MIBK) - DL2	2300		100000	129000		ug/L		129	60 - 140
Styrene - DL2	350		50000	50700		ug/L		101	60 - 140
1,1,2,2-Tetrachloroethane - DL2	1100		50000	48200		ug/L		96	60 - 140
Tetrachloroethene - DL2	650		50000	55300		ug/L		111	60 - 140
Toluene - DL2	750		50000	47400		ug/L		95	76 - 125
1,1,1-Trichloroethane - DL2	750		50000	48200		ug/L		96	60 - 140
1,1,2-Trichloroethane - DL2	1400		50000	58900		ug/L		118	60 - 140
Trichloroethene - DL2	900		50000	49100		ug/L		98	56 - 118
Vinyl acetate - DL2	1100		50000	62600		ug/L		125	60 - 140
Vinyl chloride - DL2	48000		50000	75400	F	ug/L		55	60 - 140
o-Xylene - DL2	600		50000	51900		ug/L		104	60 - 140
m-Xylene & p-Xylene - DL2	850		100000	103000		ug/L		103	60 - 140
Xylenes, Total - DL2	1300		150000	155000		ug/L		103	60 - 140
cis-1,2-Dichloroethene - DL2	300		50000	46900		ug/L		94	60 - 140
Bromodichloromethane - DL2	800		50000	53400		ug/L		107	60 - 140
1,2-Dichloroethene, Total - DL2	1500		100000	94300		ug/L		94	60 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr) - DL2	*93*		*70 - 130*
Dibromofluoromethane - DL2	*82*		*62 - 130*
4-Bromofluorobenzene - DL2	*79*		*67 - 139*
1,2-Dichloroethane-d4 (Surr) - DL2	*101*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2 (Continued)

Lab Sample ID: 600-49053-1 MSD
Matrix: Water
Analysis Batch: 71183

Client Sample ID: MW-71-PRELF-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone - DL2	5000		100000	113000		ug/L		113	60 - 140	9	30
Benzene - DL2	3700		50000	54600		ug/L		102	65 - 125	4	30
Chlorobromomethane - DL2	900		50000	44100		ug/L		88	60 - 140	13	30
Bromoform - DL2	950		50000	59200		ug/L		118	60 - 140	1	30
Bromomethane - DL2	1300		50000	37200		ug/L		74	60 - 140	9	30
2-Butanone (MEK) - DL2	3800		100000	118000		ug/L		118	60 - 140	6	30
Carbon disulfide - DL2	1200		50000	35000		ug/L		70	60 - 140	8	30
Carbon tetrachloride - DL2	750		50000	39900		ug/L		80	60 - 140	1	30
Dibromochloromethane - DL2	750		50000	49100		ug/L		98	60 - 140	5	30
Chlorobenzene - DL2	600		50000	49300		ug/L		99	72 - 122	5	30
Chloroethane - DL2	400		50000	50000		ug/L		100	60 - 140	1	30
Chloroform - DL2	650		50000	48100		ug/L		96	60 - 140	0	30
Chloromethane - DL2	900		50000	28800	F	ug/L		58	60 - 140	2	30
1,1-Dichloroethane - DL2	550		50000	49800		ug/L		100	60 - 140	4	30
1,2-Dichloroethane - DL2	51000		50000	108000		ug/L		113	60 - 140	6	30
1,1-Dichloroethene - DL2	950		50000	35000		ug/L		70	22 - 143	4	30
trans-1,2-Dichloroethene - DL2	450		50000	42600		ug/L		85	60 - 140	11	30
1,2-Dichloropropane - DL2	800		50000	51000		ug/L		102	60 - 140	7	30
cis-1,3-Dichloropropene - DL2	900		50000	50600		ug/L		101	60 - 140	0	30
trans-1,3-Dichloropropene - DL2	1100		50000	58500		ug/L		117	60 - 140	15	30
Ethylbenzene - DL2	550		50000	51200		ug/L		102	60 - 140	0	30
2-Hexanone - DL2	1800		100000	87200		ug/L		87	60 - 140	3	30
Methylene Chloride - DL2	750		50000	42700		ug/L		85	60 - 140	3	30
4-Methyl-2-pentanone (MIBK) - DL2	2300		100000	145000	F	ug/L		145	60 - 140	12	30
Styrene - DL2	350		50000	53500		ug/L		107	60 - 140	5	30
1,1,2,2-Tetrachloroethane - DL2	1100		50000	52100		ug/L		104	60 - 140	8	30
Tetrachloroethene - DL2	650		50000	54300		ug/L		109	60 - 140	2	30
Toluene - DL2	750		50000	49600		ug/L		99	76 - 125	4	30
1,1,1-Trichloroethane - DL2	750		50000	49600		ug/L		99	60 - 140	3	30
1,1,2-Trichloroethane - DL2	1400		50000	58200		ug/L		116	60 - 140	1	30
Trichloroethene - DL2	900		50000	46000		ug/L		92	56 - 118	7	30
Vinyl acetate - DL2	1100		50000	60900		ug/L		122	60 - 140	3	30
Vinyl chloride - DL2	48000		50000	77000	F	ug/L		58	60 - 140	2	30
o-Xylene - DL2	600		50000	52400		ug/L		105	60 - 140	1	30
m-Xylene & p-Xylene - DL2	850		100000	101000		ug/L		101	60 - 140	2	30
Xylenes, Total - DL2	1300		150000	153000		ug/L		102	60 - 140	1	30
cis-1,2-Dichloroethene - DL2	300		50000	43600		ug/L		87	60 - 140	7	30
Bromodichloromethane - DL2	800		50000	56900		ug/L		114	60 - 140	6	30
1,2-Dichloroethene, Total - DL2	1500		100000	86200		ug/L		86	60 - 140	9	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr) - DL2	*95*		*70 - 130*
Dibromofluoromethane - DL2	*81*		*62 - 130*
4-Bromofluorobenzene - DL2	*75*		*67 - 139*
1,2-Dichloroethane-d4 (Surr) - DL2	*98*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2 (Continued)

Lab Sample ID: 600-49053-15 MS
Matrix: Water
Analysis Batch: 71238

Client Sample ID: MW-4-PRELF-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone - DL2	9900		200000	150000		ug/L		75	60 - 140
Benzene - DL2	4500		100000	100000		ug/L		96	65 - 125
Chlorobromomethane - DL2	1800		100000	96300		ug/L		96	60 - 140
Bromoform - DL2	1900		100000	95000		ug/L		95	60 - 140
Bromomethane - DL2	2500		100000	75600		ug/L		76	60 - 140
2-Butanone (MEK) - DL2	7600		200000	156000		ug/L		78	60 - 140
Carbon disulfide - DL2	2400		100000	137000		ug/L		137	60 - 140
Carbon tetrachloride - DL2	1500		100000	109000		ug/L		109	60 - 140
Dibromochloromethane - DL2	1500		100000	92300		ug/L		92	60 - 140
Chlorobenzene - DL2	1200		100000	93600		ug/L		94	72 - 122
Chloroethane - DL2	800		100000	100000		ug/L		100	60 - 140
Chloroform - DL2	1300		100000	93300		ug/L		93	60 - 140
Chloromethane - DL2	1800		100000	60200		ug/L		60	60 - 140
1,1-Dichloroethane - DL2	4000		100000	105000		ug/L		101	60 - 140
1,2-Dichloroethane - DL2	77000		100000	177000		ug/L		100	60 - 140
1,1-Dichloroethene - DL2	11000		100000	116000		ug/L		105	22 - 143
trans-1,2-Dichloroethene - DL2	11000		100000	114000		ug/L		103	60 - 140
1,2-Dichloropropane - DL2	1600		100000	96800		ug/L		97	60 - 140
cis-1,3-Dichloropropene - DL2	1800		100000	93900		ug/L		94	60 - 140
trans-1,3-Dichloropropene - DL2	2100		100000	105000		ug/L		105	60 - 140
Ethylbenzene - DL2	1100		100000	96000		ug/L		96	60 - 140
2-Hexanone - DL2	3500		200000	163000		ug/L		82	60 - 140
Methylene Chloride - DL2	1500		100000	111000		ug/L		111	60 - 140
4-Methyl-2-pentanone (MIBK) - DL2	4500		200000	163000		ug/L		82	60 - 140
Styrene - DL2	700		100000	97000		ug/L		97	60 - 140
1,1,2,2-Tetrachloroethane - DL2	2200		100000	84200		ug/L		84	60 - 140
Tetrachloroethene - DL2	1300		100000	102000		ug/L		102	60 - 140
Toluene - DL2	1500		100000	93800		ug/L		94	76 - 125
1,1,1-Trichloroethane - DL2	1500		100000	94300		ug/L		94	60 - 140
1,1,2-Trichloroethane - DL2	2800		100000	92300		ug/L		92	60 - 140
Trichloroethene - DL2	1900		100000	104000		ug/L		102	56 - 118
Vinyl acetate - DL2	2100		100000	101000		ug/L		101	60 - 140
Vinyl chloride - DL2	190000		100000	256000		ug/L		69	60 - 140
o-Xylene - DL2	1200		100000	95800		ug/L		96	60 - 140
m-Xylene & p-Xylene - DL2	1700		200000	158000		ug/L		79	60 - 140
Xylenes, Total - DL2	2600		300000	254000		ug/L		85	60 - 140
cis-1,2-Dichloroethene - DL2	5000		100000	103000		ug/L		98	60 - 140
Bromodichloromethane - DL2	1600		100000	96300		ug/L		96	60 - 140
1,2-Dichloroethene, Total - DL2	16000		200000	217000		ug/L		101	60 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr) - DL2	*99*		*70 - 130*
Dibromofluoromethane - DL2	*100*		*62 - 130*
4-Bromofluorobenzene - DL2	*90*		*67 - 139*
1,2-Dichloroethane-d4 (Surr) - DL2	*89*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2 (Continued)

Lab Sample ID: 600-49053-15 MSD
Matrix: Water
Analysis Batch: 71238

Client Sample ID: MW-4-PRELF-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone - DL2	9900		200000	146000		ug/L		73	60 - 140	3	30
Benzene - DL2	4500		100000	112000		ug/L		107	65 - 125	11	30
Chlorobromomethane - DL2	1800		100000	108000		ug/L		108	60 - 140	11	30
Bromoform - DL2	1900		100000	104000		ug/L		104	60 - 140	9	30
Bromomethane - DL2	2500		100000	90800		ug/L		91	60 - 140	18	30
2-Butanone (MEK) - DL2	7600		200000	174000		ug/L		87	60 - 140	11	30
Carbon disulfide - DL2	2400		100000	151000	F	ug/L		151	60 - 140	9	30
Carbon tetrachloride - DL2	1500		100000	121000		ug/L		121	60 - 140	11	30
Dibromochloromethane - DL2	1500		100000	105000		ug/L		105	60 - 140	13	30
Chlorobenzene - DL2	1200		100000	104000		ug/L		104	72 - 122	11	30
Chloroethane - DL2	800		100000	102000		ug/L		102	60 - 140	2	30
Chloroform - DL2	1300		100000	102000		ug/L		102	60 - 140	9	30
Chloromethane - DL2	1800		100000	75400		ug/L		75	60 - 140	22	30
1,1-Dichloroethane - DL2	4000		100000	112000		ug/L		108	60 - 140	6	30
1,2-Dichloroethane - DL2	77000		100000	185000		ug/L		108	60 - 140	4	30
1,1-Dichloroethene - DL2	11000		100000	126000		ug/L		114	22 - 143	8	30
trans-1,2-Dichloroethene - DL2	11000		100000	125000		ug/L		115	60 - 140	10	30
1,2-Dichloropropane - DL2	1600		100000	109000		ug/L		109	60 - 140	12	30
cis-1,3-Dichloropropene - DL2	1800		100000	106000		ug/L		106	60 - 140	12	30
trans-1,3-Dichloropropene - DL2	2100		100000	118000		ug/L		118	60 - 140	11	30
Ethylbenzene - DL2	1100		100000	108000		ug/L		108	60 - 140	12	30
2-Hexanone - DL2	3500		200000	186000		ug/L		93	60 - 140	13	30
Methylene Chloride - DL2	1500		100000	105000		ug/L		105	60 - 140	5	30
4-Methyl-2-pentanone (MIBK) - DL2	4500		200000	187000		ug/L		94	60 - 140	13	30
Styrene - DL2	700		100000	105000		ug/L		105	60 - 140	8	30
1,1,2,2-Tetrachloroethane - DL2	2200		100000	94500		ug/L		94	60 - 140	12	30
Tetrachloroethene - DL2	1300		100000	114000		ug/L		114	60 - 140	11	30
Toluene - DL2	1500		100000	109000		ug/L		109	76 - 125	15	30
1,1,1-Trichloroethane - DL2	1500		100000	106000		ug/L		106	60 - 140	12	30
1,1,2-Trichloroethane - DL2	2800		100000	109000		ug/L		109	60 - 140	17	30
Trichloroethene - DL2	1900		100000	113000		ug/L		112	56 - 118	8	30
Vinyl acetate - DL2	2100		100000	110000		ug/L		110	60 - 140	8	30
Vinyl chloride - DL2	190000		100000	270000		ug/L		83	60 - 140	5	30
o-Xylene - DL2	1200		100000	105000		ug/L		105	60 - 140	9	30
m-Xylene & p-Xylene - DL2	1700		200000	180000		ug/L		90	60 - 140	13	30
Xylenes, Total - DL2	2600		300000	285000		ug/L		95	60 - 140	12	30
cis-1,2-Dichloroethene - DL2	5000		100000	115000		ug/L		110	60 - 140	10	30
Bromodichloromethane - DL2	1600		100000	103000		ug/L		103	60 - 140	6	30
1,2-Dichloroethene, Total - DL2	16000		200000	240000		ug/L		112	60 - 140	10	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr) - DL2	*98*		*70 - 130*
Dibromofluoromethane - DL2	*99*		*62 - 130*
4-Bromofluorobenzene - DL2	*93*		*67 - 139*
1,2-Dichloroethane-d4 (Surr) - DL2	*99*		*50 - 134*

QC Association Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-49053-1

GC/MS VOA

Analysis Batch: 71120

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-49053-1	MW-71-PRELF-2	Total/NA	Water	8260B	
600-49053-2	MW-71-LF-2	Total/NA	Water	8260B	
600-49053-4 - DL	MW-8-LF-2	Total/NA	Water	8260B	
600-49053-5	MW-11-PRELF-2	Total/NA	Water	8260B	
600-49053-6	MW-11-LF-2	Total/NA	Water	8260B	
600-49053-7	MW-40-PRELF-2	Total/NA	Water	8260B	
600-49053-8 - DL	MW-40-LF-2	Total/NA	Water	8260B	
600-49053-9	MW-66-PRELF-2	Total/NA	Water	8260B	
600-49053-10	MW-66-LF-2	Total/NA	Water	8260B	
600-49053-11	MW-65-PRELF-2	Total/NA	Water	8260B	
600-49053-12	MW-65-LF-2	Total/NA	Water	8260B	
600-49053-13	MW-68-PRELF-2	Total/NA	Water	8260B	
LCS 600-71120/3	Lab Control Sample	Total/NA	Water	8260B	
MB 600-71120/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 71121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-49053-14	MW-68-LF-2	Total/NA	Water	8260B	
600-49053-15	MW-4-PRELF-2	Total/NA	Water	8260B	
600-49053-16	MW-4-LF-2	Total/NA	Water	8260B	
600-49053-17	DUP-LF-2	Total/NA	Water	8260B	
LCS 600-71121/3	Lab Control Sample	Total/NA	Water	8260B	
MB 600-71121/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 71183

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-49053-1 - DL2	MW-71-PRELF-2	Total/NA	Water	8260B	
600-49053-1 - DL	MW-71-PRELF-2	Total/NA	Water	8260B	
600-49053-1 MS - DL2	MW-71-PRELF-2	Total/NA	Water	8260B	
600-49053-1 MSD - DL2	MW-71-PRELF-2	Total/NA	Water	8260B	
600-49053-2 - DL2	MW-71-LF-2	Total/NA	Water	8260B	
600-49053-2 - DL	MW-71-LF-2	Total/NA	Water	8260B	
600-49053-3 - DL	MW-8-PRELF-2	Total/NA	Water	8260B	
600-49053-3	MW-8-PRELF-2	Total/NA	Water	8260B	
600-49053-4	MW-8-LF-2	Total/NA	Water	8260B	
600-49053-5 - DL	MW-11-PRELF-2	Total/NA	Water	8260B	
600-49053-6 - DL	MW-11-LF-2	Total/NA	Water	8260B	
600-49053-7 - DL	MW-40-PRELF-2	Total/NA	Water	8260B	
600-49053-8	MW-40-LF-2	Total/NA	Water	8260B	
600-49053-9 - DL	MW-66-PRELF-2	Total/NA	Water	8260B	
600-49053-9 - DL2	MW-66-PRELF-2	Total/NA	Water	8260B	
600-49053-10 - DL	MW-66-LF-2	Total/NA	Water	8260B	
600-49053-10 - DL2	MW-66-LF-2	Total/NA	Water	8260B	
600-49053-11 - DL	MW-65-PRELF-2	Total/NA	Water	8260B	
600-49053-11 - DL2	MW-65-PRELF-2	Total/NA	Water	8260B	
600-49053-12 - DL	MW-65-LF-2	Total/NA	Water	8260B	
600-49053-13 - DL	MW-68-PRELF-2	Total/NA	Water	8260B	
LCS 600-71183/3	Lab Control Sample	Total/NA	Water	8260B	
MB 600-71183/4	Method Blank	Total/NA	Water	8260B	

QC Association Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-49053-1

GC/MS VOA (Continued)

Analysis Batch: 71238

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-49053-14 - DL	MW-68-LF-2	Total/NA	Water	8260B	
600-49053-15 - DL	MW-4-PRELF-2	Total/NA	Water	8260B	
600-49053-15 - DL2	MW-4-PRELF-2	Total/NA	Water	8260B	
600-49053-15 MS - DL2	MW-4-PRELF-2	Total/NA	Water	8260B	
600-49053-15 MSD - DL2	MW-4-PRELF-2	Total/NA	Water	8260B	
600-49053-16 - DL	MW-4-LF-2	Total/NA	Water	8260B	
600-49053-17 - DL	DUP-LF-2	Total/NA	Water	8260B	
600-49053-18	TRIP BLANK	Total/NA	Water	8260B	
LCS 600-71238/3	Lab Control Sample	Total/NA	Water	8260B	
MB 600-71238/4	Method Blank	Total/NA	Water	8260B	

Lab Chronicle

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-49053-1

Client Sample ID: MW-71-PRELF-2 — Lab Sample ID: 600-49053-1

Date Collected: 01/18/12 08:20 — **Matrix: Water**
Date Received: 01/19/12 13:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		50	71120	01/28/12 15:14	WS	TAL HOU
Total/NA	Analysis	8260B	DL2	5000	71183	01/30/12 12:15	WS	TAL HOU
Total/NA	Analysis	8260B	DL	500	71183	01/30/12 12:44	WS	TAL HOU

Client Sample ID: MW-71-LF-2 — Lab Sample ID: 600-49053-2

Date Collected: 01/18/12 08:43 — **Matrix: Water**
Date Received: 01/19/12 13:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		50	71120	01/28/12 15:41	WS	TAL HOU
Total/NA	Analysis	8260B	DL2	5000	71183	01/30/12 14:30	WS	TAL HOU
Total/NA	Analysis	8260B	DL	500	71183	01/30/12 14:04	WS	TAL HOU

Client Sample ID: MW-8-PRELF-2 — Lab Sample ID: 600-49053-3

Date Collected: 01/18/12 09:05 — **Matrix: Water**
Date Received: 01/19/12 13:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	50	71183	01/30/12 14:56	WS	TAL HOU
Total/NA	Analysis	8260B		10	71183	01/30/12 21:07	WS	TAL HOU

Client Sample ID: MW-8-LF-2 — Lab Sample ID: 600-49053-4

Date Collected: 01/18/12 09:31 — **Matrix: Water**
Date Received: 01/19/12 13:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	50	71120	01/28/12 16:34	WS	TAL HOU
Total/NA	Analysis	8260B		10	71183	01/30/12 15:24	WS	TAL HOU

Client Sample ID: MW-11-PRELF-2 — Lab Sample ID: 600-49053-5

Date Collected: 01/18/12 09:45 — **Matrix: Water**
Date Received: 01/19/12 13:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		50	71120	01/28/12 17:00	WS	TAL HOU
Total/NA	Analysis	8260B	DL	1000	71183	01/30/12 15:50	WS	TAL HOU

Client Sample ID: MW-11-LF-2 — Lab Sample ID: 600-49053-6

Date Collected: 01/18/12 10:04 — **Matrix: Water**
Date Received: 01/19/12 13:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		50	71120	01/28/12 17:26	WS	TAL HOU
Total/NA	Analysis	8260B	DL	1000	71183	01/30/12 16:17	WS	TAL HOU

Client Sample ID: MW-40-PRELF-2 — Lab Sample ID: 600-49053-7

Date Collected: 01/18/12 10:15 — **Matrix: Water**
Date Received: 01/19/12 13:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	71120	01/28/12 17:53	WS	TAL HOU
Total/NA	Analysis	8260B	DL	50	71183	01/30/12 16:44	WS	TAL HOU

Client Sample ID: MW-40-LF-2 — Lab Sample ID: 600-49053-8

Date Collected: 01/18/12 10:31 — **Matrix: Water**
Date Received: 01/19/12 13:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	50	71120	01/28/12 18:20	WS	TAL HOU
Total/NA	Analysis	8260B		10	71183	01/30/12 17:10	WS	TAL HOU

Client Sample ID: MW-66-PRELF-2 — Lab Sample ID: 600-49053-9

Date Collected: 01/18/12 10:45 — **Matrix: Water**
Date Received: 01/19/12 13:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		50	71120	01/28/12 18:46	WS	TAL HOU
Total/NA	Analysis	8260B	DL	500	71183	01/30/12 17:36	WS	TAL HOU
Total/NA	Analysis	8260B	DL2	10000	71183	01/30/12 18:03	WS	TAL HOU

Client Sample ID: MW-66-LF-2 — Lab Sample ID: 600-49053-10

Date Collected: 01/18/12 11:04 — **Matrix: Water**
Date Received: 01/19/12 13:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		50	71120	01/28/12 19:12	WS	TAL HOU
Total/NA	Analysis	8260B	DL	500	71183	01/30/12 18:29	WS	TAL HOU
Total/NA	Analysis	8260B	DL2	10000	71183	01/30/12 18:56	WS	TAL HOU

Client Sample ID: MW-65-PRELF-2 — Lab Sample ID: 600-49053-11

Date Collected: 01/18/12 11:20 — **Matrix: Water**
Date Received: 01/19/12 13:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		50	71120	01/28/12 19:39	WS	TAL HOU

Client Sample ID: MW-65-PRELF-2 — Lab Sample ID: 600-49053-11

Date Collected: 01/18/12 11:20 — **Matrix: Water**
Date Received: 01/19/12 13:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	500	71183	01/30/12 19:22	WS	TAL HOU
Total/NA	Analysis	8260B	DL2	10000	71183	01/30/12 19:49	WS	TAL HOU

Client Sample ID: MW-65-LF-2 — Lab Sample ID: 600-49053-12

Date Collected: 01/18/12 11:36 — **Matrix: Water**
Date Received: 01/19/12 13:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		200	71120	01/28/12 20:05	WS	TAL HOU
Total/NA	Analysis	8260B	DL	20000	71183	01/30/12 20:15	WS	TAL HOU

Client Sample ID: MW-68-PRELF-2 — Lab Sample ID: 600-49053-13

Date Collected: 01/18/12 10:35 — **Matrix: Water**
Date Received: 01/19/12 13:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		50	71120	01/28/12 20:31	WS	TAL HOU
Total/NA	Analysis	8260B	DL	1000	71183	01/30/12 20:41	WS	TAL HOU

Client Sample ID: MW-68-LF-2 — Lab Sample ID: 600-49053-14

Date Collected: 01/18/12 10:58 — **Matrix: Water**
Date Received: 01/19/12 13:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		50	71121	01/28/12 17:07	WS	TAL HOU
Total/NA	Analysis	8260B	DL	250	71238	01/30/12 14:37	DT	TAL HOU

Client Sample ID: MW-4-PRELF-2 — Lab Sample ID: 600-49053-15

Date Collected: 01/18/12 11:15 — **Matrix: Water**
Date Received: 01/19/12 13:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		50	71121	01/28/12 17:35	WS	TAL HOU
Total/NA	Analysis	8260B	DL	1000	71238	01/30/12 12:44	DT	TAL HOU
Total/NA	Analysis	8260B	DL2	10000	71238	01/30/12 14:09	DT	TAL HOU

Client Sample ID: MW-4-LF-2 — Lab Sample ID: 600-49053-16

Date Collected: 01/18/12 11:32 — **Matrix: Water**
Date Received: 01/19/12 13:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		200	71121	01/28/12 18:04	WS	TAL HOU
Total/NA	Analysis	8260B	DL	10000	71238	01/30/12 15:05	DT	TAL HOU

Lab Chronicle

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-49053-1

Client Sample ID: DUP-LF-2

Lab Sample ID: 600-49053-17

Date Collected: 01/18/12 00:00

Matrix: Water

Date Received: 01/19/12 13:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		50	71121	01/28/12 19:00	WS	TAL HOU
Total/NA	Analysis	8260B	DL	250	71238	01/30/12 15:33	DT	TAL HOU

Client Sample ID: TRIP BLANK

Lab Sample ID: 600-49053-18

Date Collected: 01/18/12 00:00

Matrix: Water

Date Received: 01/19/12 13:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	71238	01/30/12 12:15	DT	TAL HOU

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Certification Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-49053-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Houston	Arkansas DEQ	State Program	6	88-0759
TestAmerica Houston	Louisiana	NELAC	6	30643
TestAmerica Houston	Oklahoma	State Program	6	9503
TestAmerica Houston	Texas	NELAC	6	T104704223-10-6-TX
TestAmerica Houston	USDA	Federal		P330-08-00217
TestAmerica Houston	Utah	NELAC	8	GULF

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-49053-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL HOU

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Sample Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-49053-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
600-49053-1	MW-71-PRELF-2	Water	01/18/12 08:20	01/19/12 13:52
600-49053-2	MW-71-LF-2	Water	01/18/12 08:43	01/19/12 13:52
600-49053-3	MW-8-PRELF-2	Water	01/18/12 09:05	01/19/12 13:52
600-49053-4	MW-8-LF-2	Water	01/18/12 09:31	01/19/12 13:52
600-49053-5	MW-11-PRELF-2	Water	01/18/12 09:45	01/19/12 13:52
600-49053-6	MW-11-LF-2	Water	01/18/12 10:04	01/19/12 13:52
600-49053-7	MW-40-PRELF-2	Water	01/18/12 10:15	01/19/12 13:52
600-49053-8	MW-40-LF-2	Water	01/18/12 10:31	01/19/12 13:52
600-49053-9	MW-66-PRELF-2	Water	01/18/12 10:45	01/19/12 13:52
600-49053-10	MW-66-LF-2	Water	01/18/12 11:04	01/19/12 13:52
600-49053-11	MW-65-PRELF-2	Water	01/18/12 11:20	01/19/12 13:52
600-49053-12	MW-65-LF-2	Water	01/18/12 11:36	01/19/12 13:52
600-49053-13	MW-68-PRELF-2	Water	01/18/12 10:35	01/19/12 13:52
600-49053-14	MW-68-LF-2	Water	01/18/12 10:58	01/19/12 13:52
600-49053-15	MW-4-PRELF-2	Water	01/18/12 11:15	01/19/12 13:52
600-49053-16	MW-4-LF-2	Water	01/18/12 11:32	01/19/12 13:52
600-49053-17	DUP-LF-2	Water	01/18/12 00:00	01/19/12 13:52
600-49053-18	TRIP BLANK	Water	01/18/12 00:00	01/19/12 13:52

Loc: 600
49053

Chain of Custody Record

Phone: (713) 690-5640

3/21/2012

Client Information			
Sampler: KCH, NTM	Lab PM: Kudchadkar, Sachin G	Carrier/Waybill Number:	TestAmerica Job/SDG No.: 600-11558-50281
Client Contact: Ms. Kate Hamel	Phone: 713.522.6300	E-Mail: sachin.kudchadkar@testamericainc.com	Page: Page 1 of 2
Company: Groundwater Services, Inc.			Job #: G-3460
Address: 2211 Norfolk, Suite 1000	Due Date Requested:		
City: Houston	TAT Requested (days): STANDARD		
State, Zip: TX, 77098-4044			
Phone: 713-522-6300(Tel)	PO #: Purchase Order not requir		
Email: kchamel@gsi-net.com, tem@gsi-net.com	WO #:		
Project Name: G-3460	Project #: 60002425		
Site: N-80	SSOW#:		

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B_LL - Target Compund List	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
MW-71-PREF-2	18 JAN 12	820	G	Water			✓		
MW-71-LF-2		843		Water			✓		
MW-8-PREF-2		905		Water			✓		
MW-8-LF-2		931		Water			✓		
MW-11-PREF-2		945		Water			✓		
MW-11-LF-2		1004		Water			✓		
MW-40-PREF-2		1015		Water			✓		
MW40-LF-2		1031		Water			✓		
MW-66-PREF-2		1045		Water			✓		
MW-66-LF-2		1104		Water			✓		
MW-65-PREF-2		1120					✓		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify) LEVEL II

Special Instructions/QC Requirements: STANDARD

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Nick Mahler	18-Jan-12 1350	GSI		01/18/12 1352	TA

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

TestAmerica Houston
[illegible] Blue Drive
Houston, TX 77040
Phone: (713) 690-4444 Fax: (713) 690-5646

Chain of Custody Record

Client Information				
Sample Origin: KCA, NTM	Lab PM: Kudchadkar, Sachin G	Carrier Tracking No(s):	COC No: 600-11558-5028.1
Client Contact: Ms. Kate Hamel	Phone: 713-522-6300	E-Mail: sachin.kudchadkar@testamericainc.com	Page: Page 2 of 2
Company: Groundwater Services, Inc.			Job #: 6-3460
Address: 2211 Norfolk, Suite 1000	Due Date Requested:		
City: Houston	TAT Requested (days): STANDARD		
State, Zip: TX, 77098-4044			
Phone: 713-522-6300(Tel)	PO #: Purchase Order not requir		
Email: kchamel@gsi-net.com, tem@gsi-net.com	WO #:		
Project Name: G-3460	Project #: 60002425		
Site: N-80	SSOW#:		

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B_LL - Target Compound List	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
MW-65-LF-2	18JAN12	1136	G	Water			✓		
MW-68-PRELF-2		1035		Water			✓		
MW-68-LF-2		1038		Water			✓		
MW-4-PRELF-2		1115		Water			✓		
MW-LF-2		1132		Water			✓		
DUP-LF-2		—		Water			✓		
TRIP BLANK		—		Water			✓		
				Water					
				Water					
				Water					

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☑ Disposal By Lab ☐ Archive For Months

Deliverable Requested: I, II, III, IV, Other (specify) LEVEL II

Special Instructions/QC Requirements: STANDARD.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Nick Mahl	18-Jan-12 1350	GSI	[signature]	01/18/12 1352	TAL
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No | Cooler Temperature(s) °C and Other Remarks

3/21/2012

Login Sample Receipt Checklist

Client: Groundwater Services, Inc.

Job Number: 600-49053-1

Login Number: 49053

List Source: TestAmerica Houston

List Number: 1

Creator: Fuentes Jr, Fabio

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.8, 1.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Tel: (713)690-4444

TestAmerica Job ID: 600-47678-1
Client Project/Site: G-3460 N-80
Revision: 1

For:
Groundwater Services, Inc.
2211 Norfolk, Suite 1000
Houston, Texas 77098-4044

Attn: Ms. Kate Hamel

Authorized for release by:
1/3/2012 12:46:14 PM
Cathy Upton
LAN Analyst
cathy.upton@testamericainc.com

Designee for

Sachin Kudchadkar
Project Manager II
sachin.kudchadkar@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-47678-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-47678-1

Job ID: 600-47678-1

Laboratory: TestAmerica Houston

Narrative

Job Narrative
600-47678-1

Comments
Due to an automated LIMS function of setting the report to sent, the report had to be revised on 01/03/12 to include the Chain of Custody.

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
Method(s) 8260B: The following sample was diluted due to the nature of the sample matrix: MW-11-NPM-1 (600-47678-3). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The following sample(s) was diluted due to the nature of the sample matrix: DUP-NPM-1 (600-47678-9), MW-4-NPM-1 (600-47678-7), MW-65-NPM-1 (600-47678-8), MW-66-NPM-1 (600-47678-6), MW-71-NPM-1 (600-47678-1), MW-8-NPM-1 (600-47678-2). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The following sample(s) was diluted due to the nature of the sample matrix: MW-40-NPM-1 (600-47678-4), MW-68-NPM-1 (600-47678-5). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

Detection Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-47678-1

Client Sample ID: MW-71-NPM-1 — Lab Sample ID: 600-47678-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	160		20	2.4	ug/L	20		8260B	Total/NA
1,1-Dichloroethane	630		20	2.2	ug/L	20		8260B	Total/NA
Ethylbenzene	210		20	2.2	ug/L	20		8260B	Total/NA
Tetrachloroethene	12	J	20	2.6	ug/L	20		8260B	Total/NA
Toluene	50		20	3.0	ug/L	20		8260B	Total/NA
Vinyl chloride	45		40	2.2	ug/L	20		8260B	Total/NA
o-Xylene	4.7	J	20	2.4	ug/L	20		8260B	Total/NA
m-Xylene & p-Xylene	9.0	J	20	3.4	ug/L	20		8260B	Total/NA
Xylenes, Total	14	J	20	5.2	ug/L	20		8260B	Total/NA
Benzene - DL	1300		100	8.0	ug/L	100		8260B	Total/NA

Client Sample ID: MW-8-NPM-1 — Lab Sample ID: 600-47678-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	400		100	20	ug/L	20		8260B	Total/NA
Benzene	700		20	1.6	ug/L	20		8260B	Total/NA
2-Butanone (MEK)	1600		40	15	ug/L	20		8260B	Total/NA
Carbon disulfide	8.1	J	40	4.8	ug/L	20		8260B	Total/NA
Chlorobenzene	120		20	2.4	ug/L	20		8260B	Total/NA
1,1-Dichloroethane	340		20	2.2	ug/L	20		8260B	Total/NA
1,1-Dichloroethene	28		20	3.8	ug/L	20		8260B	Total/NA
trans-1,2-Dichloroethene	190		20	1.8	ug/L	20		8260B	Total/NA
Ethylbenzene	310		20	2.2	ug/L	20		8260B	Total/NA
Tetrachloroethene	7.1	J	20	2.6	ug/L	20		8260B	Total/NA
Toluene	55		20	3.0	ug/L	20		8260B	Total/NA
Trichloroethene	19	J	20	3.6	ug/L	20		8260B	Total/NA
o-Xylene	6.4	J	20	2.4	ug/L	20		8260B	Total/NA
m-Xylene & p-Xylene	9.0	J	20	3.4	ug/L	20		8260B	Total/NA
Xylenes, Total	15	J	20	5.2	ug/L	20		8260B	Total/NA
cis-1,2-Dichloroethene	40		20	1.2	ug/L	20		8260B	Total/NA
1,2-Dichloroethene, Total	230		20	6.0	ug/L	20		8260B	Total/NA
Vinyl chloride - DL	3000		200	11	ug/L	100		8260B	Total/NA

Client Sample ID: MW-11-NPM-1 — Lab Sample ID: 600-47678-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	120		100	8.0	ug/L	100		8260B	Total/NA
Chlorobenzene	250		100	12	ug/L	100		8260B	Total/NA
1,1-Dichloroethane	930		100	11	ug/L	100		8260B	Total/NA
1,2-Dichloroethane	130		100	14	ug/L	100		8260B	Total/NA
1,1-Dichloroethene	110		100	19	ug/L	100		8260B	Total/NA
trans-1,2-Dichloroethene	520		100	9.0	ug/L	100		8260B	Total/NA
Ethylbenzene	22	J	100	11	ug/L	100		8260B	Total/NA
Tetrachloroethene	100		100	13	ug/L	100		8260B	Total/NA
Trichloroethene	190		100	18	ug/L	100		8260B	Total/NA
cis-1,2-Dichloroethene	950		100	6.0	ug/L	100		8260B	Total/NA
1,2-Dichloroethene, Total	1500		100	30	ug/L	100		8260B	Total/NA
Vinyl chloride - DL	9500		2000	110	ug/L	1000		8260B	Total/NA

Client Sample ID: MW-40-NPM-1 — Lab Sample ID: 600-47678-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	55		20	1.6	ug/L	20		8260B	Total/NA
Chlorobenzene	93		20	2.4	ug/L	20		8260B	Total/NA

Client Sample ID: MW-40-NPM-1 (Continued) — Lab Sample ID: 600-47678-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	290		20	2.2	ug/L	20		8260B	Total/NA
Ethylbenzene	17	J	20	2.2	ug/L	20		8260B	Total/NA
Toluene	7.7	J	20	3.0	ug/L	20		8260B	Total/NA
Vinyl chloride - DL	1200		200	11	ug/L	100		8260B	Total/NA

Client Sample ID: MW-68-NPM-1 — Lab Sample ID: 600-47678-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	57		20	1.6	ug/L	20		8260B	Total/NA
Chlorobenzene	37		20	2.4	ug/L	20		8260B	Total/NA
1,1-Dichloroethane	170		20	2.2	ug/L	20		8260B	Total/NA
trans-1,2-Dichloroethene	170		20	1.8	ug/L	20		8260B	Total/NA
Ethylbenzene	92		20	2.2	ug/L	20		8260B	Total/NA
Toluene	16	J	20	3.0	ug/L	20		8260B	Total/NA
1,2-Dichloroethene, Total	170		20	6.0	ug/L	20		8260B	Total/NA
Vinyl chloride - DL	3700		200	11	ug/L	100		8260B	Total/NA

Client Sample ID: MW-66-NPM-1 — Lab Sample ID: 600-47678-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	3600		100	8.0	ug/L	100		8260B	Total/NA
Chlorobenzene	620		100	12	ug/L	100		8260B	Total/NA
1,1-Dichloroethane	2600		100	11	ug/L	100		8260B	Total/NA
1,1-Dichloroethene	1600		100	19	ug/L	100		8260B	Total/NA
trans-1,2-Dichloroethene	3000		100	9.0	ug/L	100		8260B	Total/NA
Ethylbenzene	1600		100	11	ug/L	100		8260B	Total/NA
Methylene Chloride	190	J	500	15	ug/L	100		8260B	Total/NA
Styrene	260		100	7.0	ug/L	100		8260B	Total/NA
Tetrachloroethene	100		100	13	ug/L	100		8260B	Total/NA
Toluene	840		100	15	ug/L	100		8260B	Total/NA
Trichloroethene	570		100	18	ug/L	100		8260B	Total/NA
cis-1,2-Dichloroethene	1600		100	6.0	ug/L	100		8260B	Total/NA
1,2-Dichloroethene, Total	4600		100	30	ug/L	100		8260B	Total/NA
1,2-Dichloroethane - DL	130000		5000	700	ug/L	5000		8260B	Total/NA
1,1,2-Trichloroethane - DL	37000		5000	1400	ug/L	5000		8260B	Total/NA
Vinyl chloride - DL	90000		10000	550	ug/L	5000		8260B	Total/NA

Client Sample ID: MW-4-NPM-1 — Lab Sample ID: 600-47678-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	4700		500	40	ug/L	500		8260B	Total/NA
Chlorobenzene	890		500	60	ug/L	500		8260B	Total/NA
1,1-Dichloroethane	5200		500	55	ug/L	500		8260B	Total/NA
1,1-Dichloroethene	8000		500	95	ug/L	500		8260B	Total/NA
trans-1,2-Dichloroethene	9500		500	45	ug/L	500		8260B	Total/NA
Ethylbenzene	600		500	55	ug/L	500		8260B	Total/NA
Tetrachloroethene	330	J	500	65	ug/L	500		8260B	Total/NA
Toluene	190	J	500	75	ug/L	500		8260B	Total/NA
Trichloroethene	1400		500	90	ug/L	500		8260B	Total/NA
cis-1,2-Dichloroethene	5500		500	30	ug/L	500		8260B	Total/NA
1,2-Dichloroethene, Total	15000		500	150	ug/L	500		8260B	Total/NA
1,2-Dichloroethane - DL	72000		10000	1400	ug/L	10000		8260B	Total/NA
Vinyl chloride - DL	290000		20000	1100	ug/L	10000		8260B	Total/NA

Detection Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-47678-1

Client Sample ID: MW-65-NPM-1 — Lab Sample ID: 600-47678-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	4200		500	40	ug/L	500		8260B	Total/NA
Chlorobenzene	1200		500	60	ug/L	500		8260B	Total/NA
1,1-Dichloroethane	3400		500	55	ug/L	500		8260B	Total/NA
1,2-Dichloroethane	1200		500	70	ug/L	500		8260B	Total/NA
1,1-Dichloroethene	3100		500	95	ug/L	500		8260B	Total/NA
trans-1,2-Dichloroethene	6500		500	45	ug/L	500		8260B	Total/NA
Ethylbenzene	810		500	55	ug/L	500		8260B	Total/NA
Tetrachloroethene	330	J	500	65	ug/L	500		8260B	Total/NA
Toluene	230	J	500	75	ug/L	500		8260B	Total/NA
Trichloroethene	870		500	90	ug/L	500		8260B	Total/NA
cis-1,2-Dichloroethene	2000		500	30	ug/L	500		8260B	Total/NA
1,2-Dichloroethene, Total	8500		500	150	ug/L	500		8260B	Total/NA
Vinyl chloride - DL	240000		20000	1100	ug/L	10000		8260B	Total/NA

Client Sample ID: DUP-NPM-1 — Lab Sample ID: 600-47678-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	4000		100	8.0	ug/L	100		8260B	Total/NA
Chlorobenzene	610		100	12	ug/L	100		8260B	Total/NA
1,1-Dichloroethane	2800		100	11	ug/L	100		8260B	Total/NA
1,1-Dichloroethene	1800		100	19	ug/L	100		8260B	Total/NA
trans-1,2-Dichloroethene	3500		100	9.0	ug/L	100		8260B	Total/NA
Ethylbenzene	1300		100	11	ug/L	100		8260B	Total/NA
Methylene Chloride	200	J	500	15	ug/L	100		8260B	Total/NA
Styrene	240		100	7.0	ug/L	100		8260B	Total/NA
Tetrachloroethene	71	J	100	13	ug/L	100		8260B	Total/NA
Toluene	870		100	15	ug/L	100		8260B	Total/NA
Trichloroethene	580		100	18	ug/L	100		8260B	Total/NA
cis-1,2-Dichloroethene	1800		100	6.0	ug/L	100		8260B	Total/NA
1,2-Dichloroethene, Total	5300		100	30	ug/L	100		8260B	Total/NA
1,2-Dichloroethane - DL	140000		5000	700	ug/L	5000		8260B	Total/NA
1,1,2-Trichloroethane - DL	43000		5000	1400	ug/L	5000		8260B	Total/NA
Vinyl chloride - DL	94000		10000	550	ug/L	5000		8260B	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 600-47678-10

No Detections

Client Sample Results

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-47678-1

Client Sample ID: MW-71-NPM-1

Date Collected: 12/20/11 09:40
Date Received: 12/20/11 16:38

Lab Sample ID: 600-47678-1

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	20	U	100	20	ug/L			12/26/11 18:17	20
Chlorobromomethane	3.6	U	20	3.6	ug/L			12/26/11 18:17	20
Bromoform	3.8	U	20	3.8	ug/L			12/26/11 18:17	20
Bromomethane	5.0	U	40	5.0	ug/L			12/26/11 18:17	20
2-Butanone (MEK)	15	U	40	15	ug/L			12/26/11 18:17	20
Carbon disulfide	4.8	U	40	4.8	ug/L			12/26/11 18:17	20
Carbon tetrachloride	3.0	U	20	3.0	ug/L			12/26/11 18:17	20
Dibromochloromethane	3.0	U	20	3.0	ug/L			12/26/11 18:17	20
Chlorobenzene	**160**		20	2.4	ug/L			12/26/11 18:17	20
Chloroethane	1.6	U	40	1.6	ug/L			12/26/11 18:17	20
Chloroform	2.6	U	20	2.6	ug/L			12/26/11 18:17	20
Chloromethane	3.6	U	40	3.6	ug/L			12/26/11 18:17	20
1,1-Dichloroethane	**630**		20	2.2	ug/L			12/26/11 18:17	20
1,2-Dichloroethane	2.8	U	20	2.8	ug/L			12/26/11 18:17	20
1,1-Dichloroethene	3.8	U	20	3.8	ug/L			12/26/11 18:17	20
trans-1,2-Dichloroethene	1.8	U	20	1.8	ug/L			12/26/11 18:17	20
1,2-Dichloropropane	3.2	U	20	3.2	ug/L			12/26/11 18:17	20
cis-1,3-Dichloropropene	3.6	U	20	3.6	ug/L			12/26/11 18:17	20
trans-1,3-Dichloropropene	4.2	U	20	4.2	ug/L			12/26/11 18:17	20
Ethylbenzene	**210**		20	2.2	ug/L			12/26/11 18:17	20
2-Hexanone	7.0	U	40	7.0	ug/L			12/26/11 18:17	20
Methylene Chloride	3.0	U	100	3.0	ug/L			12/26/11 18:17	20
4-Methyl-2-pentanone (MIBK)	9.0	U	40	9.0	ug/L			12/26/11 18:17	20
Styrene	1.4	U	20	1.4	ug/L			12/26/11 18:17	20
1,1,2,2-Tetrachloroethane	4.4	U	20	4.4	ug/L			12/26/11 18:17	20
Tetrachloroethene	**12**	**J**	20	2.6	ug/L			12/26/11 18:17	20
Toluene	**50**		20	3.0	ug/L			12/26/11 18:17	20
1,1,1-Trichloroethane	3.0	U	20	3.0	ug/L			12/26/11 18:17	20
1,1,2-Trichloroethane	5.6	U	20	5.6	ug/L			12/26/11 18:17	20
Trichloroethene	3.6	U	20	3.6	ug/L			12/26/11 18:17	20
Vinyl acetate	4.2	U	40	4.2	ug/L			12/26/11 18:17	20
Vinyl chloride	**45**		40	2.2	ug/L			12/26/11 18:17	20
o-Xylene	**4.7**	**J**	20	2.4	ug/L			12/26/11 18:17	20
m-Xylene & p-Xylene	**9.0**	**J**	20	3.4	ug/L			12/26/11 18:17	20
Xylenes, Total	**14**	**J**	20	5.2	ug/L			12/26/11 18:17	20
cis-1,2-Dichloroethene	1.2	U	20	1.2	ug/L			12/26/11 18:17	20
Bromodichloromethane	3.2	U	20	3.2	ug/L			12/26/11 18:17	20
1,2-Dichloroethene, Total	6.0	U	20	6.0	ug/L			12/26/11 18:17	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*70 - 130*		*12/26/11 18:17*	*20*
Dibromofluoromethane	*83*		*62 - 130*		*12/26/11 18:17*	*20*
4-Bromofluorobenzene	*93*		*67 - 139*		*12/26/11 18:17*	*20*
1,2-Dichloroethane-d4 (Surr)	*118*		*50 - 134*		*12/26/11 18:17*	*20*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1300**		100	8.0	ug/L			12/24/11 21:03	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*70 - 130*		*12/24/11 21:03*	*100*

Client Sample ID: MW-71-NPM-1

Lab Sample ID: 600-47678-1

Date Collected: 12/20/11 09:40

Matrix: Water

Date Received: 12/20/11 16:38

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*97*		*62 - 130*		*12/24/11 21:03*	*100*
4-Bromofluorobenzene	*95*		*67 - 139*		*12/24/11 21:03*	*100*
1,2-Dichloroethane-d4 (Surr)	*98*		*50 - 134*		*12/24/11 21:03*	*100*

Client Sample ID: MW-8-NPM-1

Lab Sample ID: 600-47678-2

Date Collected: 12/20/11 10:10

Matrix: Water

Date Received: 12/20/11 16:38

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**400**		100	20	ug/L			12/26/11 18:43	20
Benzene	**700**		20	1.6	ug/L			12/26/11 18:43	20
Chlorobromomethane	3.6	U	20	3.6	ug/L			12/26/11 18:43	20
Bromoform	3.8	U	20	3.8	ug/L			12/26/11 18:43	20
Bromomethane	5.0	U	40	5.0	ug/L			12/26/11 18:43	20
2-Butanone (MEK)	**1600**		40	15	ug/L			12/26/11 18:43	20
Carbon disulfide	**8.1**	**J**	40	4.8	ug/L			12/26/11 18:43	20
Carbon tetrachloride	3.0	U	20	3.0	ug/L			12/26/11 18:43	20
Dibromochloromethane	3.0	U	20	3.0	ug/L			12/26/11 18:43	20
Chlorobenzene	**120**		20	2.4	ug/L			12/26/11 18:43	20
Chloroethane	1.6	U	40	1.6	ug/L			12/26/11 18:43	20
Chloroform	2.6	U	20	2.6	ug/L			12/26/11 18:43	20
Chloromethane	3.6	U	40	3.6	ug/L			12/26/11 18:43	20
1,1-Dichloroethane	**340**		20	2.2	ug/L			12/26/11 18:43	20
1,2-Dichloroethane	2.8	U	20	2.8	ug/L			12/26/11 18:43	20
1,1-Dichloroethene	**28**		20	3.8	ug/L			12/26/11 18:43	20
trans-1,2-Dichloroethene	**190**		20	1.8	ug/L			12/26/11 18:43	20
1,2-Dichloropropane	3.2	U	20	3.2	ug/L			12/26/11 18:43	20
cis-1,3-Dichloropropene	3.6	U	20	3.6	ug/L			12/26/11 18:43	20
trans-1,3-Dichloropropene	4.2	U	20	4.2	ug/L			12/26/11 18:43	20
Ethylbenzene	**310**		20	2.2	ug/L			12/26/11 18:43	20
2-Hexanone	7.0	U	40	7.0	ug/L			12/26/11 18:43	20
Methylene Chloride	3.0	U	100	3.0	ug/L			12/26/11 18:43	20
4-Methyl-2-pentanone (MIBK)	9.0	U	40	9.0	ug/L			12/26/11 18:43	20
Styrene	1.4	U	20	1.4	ug/L			12/26/11 18:43	20
1,1,2,2-Tetrachloroethane	4.4	U	20	4.4	ug/L			12/26/11 18:43	20
Tetrachloroethene	**7.1**	**J**	20	2.6	ug/L			12/26/11 18:43	20
Toluene	**55**		20	3.0	ug/L			12/26/11 18:43	20
1,1,1-Trichloroethane	3.0	U	20	3.0	ug/L			12/26/11 18:43	20
1,1,2-Trichloroethane	5.6	U	20	5.6	ug/L			12/26/11 18:43	20
Trichloroethene	**19**	**J**	20	3.6	ug/L			12/26/11 18:43	20
Vinyl acetate	4.2	U	40	4.2	ug/L			12/26/11 18:43	20
o-Xylene	**6.4**	**J**	20	2.4	ug/L			12/26/11 18:43	20
m-Xylene & p-Xylene	**9.0**	**J**	20	3.4	ug/L			12/26/11 18:43	20
Xylenes, Total	**15**	**J**	20	5.2	ug/L			12/26/11 18:43	20
cis-1,2-Dichloroethene	**40**		20	1.2	ug/L			12/26/11 18:43	20
Bromodichloromethane	3.2	U	20	3.2	ug/L			12/26/11 18:43	20
1,2-Dichloroethene, Total	**230**		20	6.0	ug/L			12/26/11 18:43	20

Client Sample Results

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-47678-1

Client Sample ID: MW-8-NPM-1

Lab Sample ID: 600-47678-2

Date Collected: 12/20/11 10:10
Date Received: 12/20/11 16:38

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*90*		*70 - 130*		*12/26/11 18:43*	*20*
Dibromofluoromethane	*107*		*62 - 130*		*12/26/11 18:43*	*20*
4-Bromofluorobenzene	*95*		*67 - 139*		*12/26/11 18:43*	*20*
1,2-Dichloroethane-d4 (Surr)	*120*		*50 - 134*		*12/26/11 18:43*	*20*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**3000**		200	11	ug/L			12/24/11 21:29	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*70 - 130*		*12/24/11 21:29*	*100*
Dibromofluoromethane	*93*		*62 - 130*		*12/24/11 21:29*	*100*
4-Bromofluorobenzene	*89*		*67 - 139*		*12/24/11 21:29*	*100*
1,2-Dichloroethane-d4 (Surr)	*88*		*50 - 134*		*12/24/11 21:29*	*100*

Client Sample ID: MW-11-NPM-1

Lab Sample ID: 600-47678-3

Date Collected: 12/20/11 10:35
Date Received: 12/20/11 16:38

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	99	U	500	99	ug/L			12/24/11 21:56	100
Benzene	**120**		100	8.0	ug/L			12/24/11 21:56	100
Chlorobromomethane	18	U	100	18	ug/L			12/24/11 21:56	100
Bromoform	19	U	100	19	ug/L			12/24/11 21:56	100
Bromomethane	25	U	200	25	ug/L			12/24/11 21:56	100
2-Butanone (MEK)	76	U	200	76	ug/L			12/24/11 21:56	100
Carbon disulfide	24	U	200	24	ug/L			12/24/11 21:56	100
Carbon tetrachloride	15	U	100	15	ug/L			12/24/11 21:56	100
Dibromochloromethane	15	U	100	15	ug/L			12/24/11 21:56	100
Chlorobenzene	**250**		100	12	ug/L			12/24/11 21:56	100
Chloroethane	8.0	U	200	8.0	ug/L			12/24/11 21:56	100
Chloroform	13	U	100	13	ug/L			12/24/11 21:56	100
Chloromethane	18	U	200	18	ug/L			12/24/11 21:56	100
1,1-Dichloroethane	**930**		100	11	ug/L			12/24/11 21:56	100
1,2-Dichloroethane	**130**		100	14	ug/L			12/24/11 21:56	100
1,1-Dichloroethene	**110**		100	19	ug/L			12/24/11 21:56	100
trans-1,2-Dichloroethene	**520**		100	9.0	ug/L			12/24/11 21:56	100
1,2-Dichloropropane	16	U	100	16	ug/L			12/24/11 21:56	100
cis-1,3-Dichloropropene	18	U	100	18	ug/L			12/24/11 21:56	100
trans-1,3-Dichloropropene	21	U	100	21	ug/L			12/24/11 21:56	100
Ethylbenzene	**22**	**J**	100	11	ug/L			12/24/11 21:56	100
2-Hexanone	35	U	200	35	ug/L			12/24/11 21:56	100
Methylene Chloride	15	U	500	15	ug/L			12/24/11 21:56	100
4-Methyl-2-pentanone (MIBK)	45	U	200	45	ug/L			12/24/11 21:56	100
Styrene	7.0	U	100	7.0	ug/L			12/24/11 21:56	100
1,1,2,2-Tetrachloroethane	22	U	100	22	ug/L			12/24/11 21:56	100
Tetrachloroethene	**100**		100	13	ug/L			12/24/11 21:56	100
Toluene	15	U	100	15	ug/L			12/24/11 21:56	100
1,1,1-Trichloroethane	15	U	100	15	ug/L			12/24/11 21:56	100

Client Sample ID: MW-11-NPM-1

Lab Sample ID: 600-47678-3

Date Collected: 12/20/11 10:35

Matrix: Water

Date Received: 12/20/11 16:38

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	28	U	100	28	ug/L			12/24/11 21:56	100
Trichloroethene	**190**		100	18	ug/L			12/24/11 21:56	100
Vinyl acetate	21	U	200	21	ug/L			12/24/11 21:56	100
o-Xylene	12	U	100	12	ug/L			12/24/11 21:56	100
m-Xylene & p-Xylene	17	U	100	17	ug/L			12/24/11 21:56	100
Xylenes, Total	26	U	100	26	ug/L			12/24/11 21:56	100
cis-1,2-Dichloroethene	**950**		100	6.0	ug/L			12/24/11 21:56	100
Bromodichloromethane	16	U	100	16	ug/L			12/24/11 21:56	100
1,2-Dichloroethene, Total	**1500**		100	30	ug/L			12/24/11 21:56	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*70 - 130*		*12/24/11 21:56*	*100*
Dibromofluoromethane	*96*		*62 - 130*		*12/24/11 21:56*	*100*
4-Bromofluorobenzene	*100*		*67 - 139*		*12/24/11 21:56*	*100*
1,2-Dichloroethane-d4 (Surr)	*95*		*50 - 134*		*12/24/11 21:56*	*100*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**9500**		2000	110	ug/L			12/27/11 15:57	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*70 - 130*		*12/27/11 15:57*	*1000*
Dibromofluoromethane	*100*		*62 - 130*		*12/27/11 15:57*	*1000*
4-Bromofluorobenzene	*87*		*67 - 139*		*12/27/11 15:57*	*1000*
1,2-Dichloroethane-d4 (Surr)	*109*		*50 - 134*		*12/27/11 15:57*	*1000*

Client Sample ID: MW-40-NPM-1

Lab Sample ID: 600-47678-4

Date Collected: 12/20/11 10:45

Matrix: Water

Date Received: 12/20/11 16:38

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	20	U	100	20	ug/L			12/27/11 15:05	20
Benzene	**55**		20	1.6	ug/L			12/27/11 15:05	20
Chlorobromomethane	3.6	U	20	3.6	ug/L			12/27/11 15:05	20
Bromoform	3.8	U	20	3.8	ug/L			12/27/11 15:05	20
Bromomethane	5.0	U	40	5.0	ug/L			12/27/11 15:05	20
2-Butanone (MEK)	15	U	40	15	ug/L			12/27/11 15:05	20
Carbon disulfide	4.8	U	40	4.8	ug/L			12/27/11 15:05	20
Carbon tetrachloride	3.0	U	20	3.0	ug/L			12/27/11 15:05	20
Dibromochloromethane	3.0	U	20	3.0	ug/L			12/27/11 15:05	20
Chlorobenzene	**93**		20	2.4	ug/L			12/27/11 15:05	20
Chloroethane	1.6	U	40	1.6	ug/L			12/27/11 15:05	20
Chloroform	2.6	U	20	2.6	ug/L			12/27/11 15:05	20
Chloromethane	3.6	U	40	3.6	ug/L			12/27/11 15:05	20
1,1-Dichloroethane	**290**		20	2.2	ug/L			12/27/11 15:05	20
1,2-Dichloroethane	2.8	U	20	2.8	ug/L			12/27/11 15:05	20
1,1-Dichloroethene	3.8	U	20	3.8	ug/L			12/27/11 15:05	20
trans-1,2-Dichloroethene	1.8	U	20	1.8	ug/L			12/27/11 15:05	20
1,2-Dichloropropane	3.2	U	20	3.2	ug/L			12/27/11 15:05	20

Client Sample ID: MW-40-NPM-1

Lab Sample ID: 600-47678-4

Date Collected: 12/20/11 10:45

Matrix: Water

Date Received: 12/20/11 16:38

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	3.6	U	20	3.6	ug/L			12/27/11 15:05	20
trans-1,3-Dichloropropene	4.2	U	20	4.2	ug/L			12/27/11 15:05	20
Ethylbenzene	**17**	**J**	20	2.2	ug/L			12/27/11 15:05	20
2-Hexanone	7.0	U	40	7.0	ug/L			12/27/11 15:05	20
Methylene Chloride	3.0	U	100	3.0	ug/L			12/27/11 15:05	20
4-Methyl-2-pentanone (MIBK)	9.0	U	40	9.0	ug/L			12/27/11 15:05	20
Styrene	1.4	U	20	1.4	ug/L			12/27/11 15:05	20
1,1,2,2-Tetrachloroethane	4.4	U	20	4.4	ug/L			12/27/11 15:05	20
Tetrachloroethene	2.6	U	20	2.6	ug/L			12/27/11 15:05	20
Toluene	**7.7**	**J**	20	3.0	ug/L			12/27/11 15:05	20
1,1,1-Trichloroethane	3.0	U	20	3.0	ug/L			12/27/11 15:05	20
1,1,2-Trichloroethane	5.6	U	20	5.6	ug/L			12/27/11 15:05	20
Trichloroethene	3.6	U	20	3.6	ug/L			12/27/11 15:05	20
Vinyl acetate	4.2	U	40	4.2	ug/L			12/27/11 15:05	20
o-Xylene	2.4	U	20	2.4	ug/L			12/27/11 15:05	20
m-Xylene & p-Xylene	3.4	U	20	3.4	ug/L			12/27/11 15:05	20
Xylenes, Total	5.2	U	20	5.2	ug/L			12/27/11 15:05	20
cis-1,2-Dichloroethene	1.2	U	20	1.2	ug/L			12/27/11 15:05	20
Bromodichloromethane	3.2	U	20	3.2	ug/L			12/27/11 15:05	20
1,2-Dichloroethene, Total	6.0	U	20	6.0	ug/L			12/27/11 15:05	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*90*		*70 - 130*		*12/27/11 15:05*	*20*
Dibromofluoromethane	*111*		*62 - 130*		*12/27/11 15:05*	*20*
4-Bromofluorobenzene	*94*		*67 - 139*		*12/27/11 15:05*	*20*
1,2-Dichloroethane-d4 (Surr)	*112*		*50 - 134*		*12/27/11 15:05*	*20*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**1200**		200	11	ug/L			12/24/11 22:22	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*70 - 130*		*12/24/11 22:22*	*100*
Dibromofluoromethane	*100*		*62 - 130*		*12/24/11 22:22*	*100*
4-Bromofluorobenzene	*96*		*67 - 139*		*12/24/11 22:22*	*100*
1,2-Dichloroethane-d4 (Surr)	*96*		*50 - 134*		*12/24/11 22:22*	*100*

Client Sample ID: MW-68-NPM-1

Lab Sample ID: 600-47678-5

Date Collected: 12/20/11 11:00

Matrix: Water

Date Received: 12/20/11 16:38

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	20	U	100	20	ug/L			12/27/11 15:31	20
Benzene	**57**		20	1.6	ug/L			12/27/11 15:31	20
Chlorobromomethane	3.6	U	20	3.6	ug/L			12/27/11 15:31	20
Bromoform	3.8	U	20	3.8	ug/L			12/27/11 15:31	20
Bromomethane	5.0	U	40	5.0	ug/L			12/27/11 15:31	20
2-Butanone (MEK)	15	U	40	15	ug/L			12/27/11 15:31	20
Carbon disulfide	4.8	U	40	4.8	ug/L			12/27/11 15:31	20

Client Sample ID: MW-68-NPM-1

Date Collected: 12/20/11 11:00
Date Received: 12/20/11 16:38

Lab Sample ID: 600-47678-5

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	3.0	U	20	3.0	ug/L			12/27/11 15:31	20
Dibromochloromethane	3.0	U	20	3.0	ug/L			12/27/11 15:31	20
Chlorobenzene	**37**		20	2.4	ug/L			12/27/11 15:31	20
Chloroethane	1.6	U	40	1.6	ug/L			12/27/11 15:31	20
Chloroform	2.6	U	20	2.6	ug/L			12/27/11 15:31	20
Chloromethane	3.6	U	40	3.6	ug/L			12/27/11 15:31	20
1,1-Dichloroethane	**170**		20	2.2	ug/L			12/27/11 15:31	20
1,2-Dichloroethane	2.8	U	20	2.8	ug/L			12/27/11 15:31	20
1,1-Dichloroethene	3.8	U	20	3.8	ug/L			12/27/11 15:31	20
trans-1,2-Dichloroethene	**170**		20	1.8	ug/L			12/27/11 15:31	20
1,2-Dichloropropane	3.2	U	20	3.2	ug/L			12/27/11 15:31	20
cis-1,3-Dichloropropene	3.6	U	20	3.6	ug/L			12/27/11 15:31	20
trans-1,3-Dichloropropene	4.2	U	20	4.2	ug/L			12/27/11 15:31	20
Ethylbenzene	**92**		20	2.2	ug/L			12/27/11 15:31	20
2-Hexanone	7.0	U	40	7.0	ug/L			12/27/11 15:31	20
Methylene Chloride	3.0	U	100	3.0	ug/L			12/27/11 15:31	20
4-Methyl-2-pentanone (MIBK)	9.0	U	40	9.0	ug/L			12/27/11 15:31	20
Styrene	1.4	U	20	1.4	ug/L			12/27/11 15:31	20
1,1,2,2-Tetrachloroethane	4.4	U	20	4.4	ug/L			12/27/11 15:31	20
Tetrachloroethene	2.6	U	20	2.6	ug/L			12/27/11 15:31	20
Toluene	**16**	**J**	20	3.0	ug/L			12/27/11 15:31	20
1,1,1-Trichloroethane	3.0	U	20	3.0	ug/L			12/27/11 15:31	20
1,1,2-Trichloroethane	5.6	U	20	5.6	ug/L			12/27/11 15:31	20
Trichloroethene	3.6	U	20	3.6	ug/L			12/27/11 15:31	20
Vinyl acetate	4.2	U	40	4.2	ug/L			12/27/11 15:31	20
o-Xylene	2.4	U	20	2.4	ug/L			12/27/11 15:31	20
m-Xylene & p-Xylene	3.4	U	20	3.4	ug/L			12/27/11 15:31	20
Xylenes, Total	5.2	U	20	5.2	ug/L			12/27/11 15:31	20
cis-1,2-Dichloroethene	1.2	U	20	1.2	ug/L			12/27/11 15:31	20
Bromodichloromethane	3.2	U	20	3.2	ug/L			12/27/11 15:31	20
1,2-Dichloroethene, Total	**170**		20	6.0	ug/L			12/27/11 15:31	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*70 - 130*		*12/27/11 15:31*	*20*
Dibromofluoromethane	*102*		*62 - 130*		*12/27/11 15:31*	*20*
4-Bromofluorobenzene	*94*		*67 - 139*		*12/27/11 15:31*	*20*
1,2-Dichloroethane-d4 (Surr)	*111*		*50 - 134*		*12/27/11 15:31*	*20*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**3700**		200	11	ug/L			12/24/11 22:48	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*70 - 130*		*12/24/11 22:48*	*100*
Dibromofluoromethane	*99*		*62 - 130*		*12/24/11 22:48*	*100*
4-Bromofluorobenzene	*94*		*67 - 139*		*12/24/11 22:48*	*100*
1,2-Dichloroethane-d4 (Surr)	*101*		*50 - 134*		*12/24/11 22:48*	*100*

Client Sample Results

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-47678-1

Client Sample ID: MW-66-NPM-1

Date Collected: 12/20/11 11:20
Date Received: 12/20/11 16:38

Lab Sample ID: 600-47678-6

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	99	U	500	99	ug/L			12/26/11 19:10	100
Benzene	**3600**		100	8.0	ug/L			12/26/11 19:10	100
Chlorobromomethane	18	U	100	18	ug/L			12/26/11 19:10	100
Bromoform	19	U	100	19	ug/L			12/26/11 19:10	100
Bromomethane	25	U	200	25	ug/L			12/26/11 19:10	100
2-Butanone (MEK)	76	U	200	76	ug/L			12/26/11 19:10	100
Carbon disulfide	24	U	200	24	ug/L			12/26/11 19:10	100
Carbon tetrachloride	15	U	100	15	ug/L			12/26/11 19:10	100
Dibromochloromethane	15	U	100	15	ug/L			12/26/11 19:10	100
Chlorobenzene	**620**		100	12	ug/L			12/26/11 19:10	100
Chloroethane	8.0	U	200	8.0	ug/L			12/26/11 19:10	100
Chloroform	13	U	100	13	ug/L			12/26/11 19:10	100
Chloromethane	18	U	200	18	ug/L			12/26/11 19:10	100
1,1-Dichloroethane	**2600**		100	11	ug/L			12/26/11 19:10	100
1,1-Dichloroethene	**1600**		100	19	ug/L			12/26/11 19:10	100
trans-1,2-Dichloroethene	**3000**		100	9.0	ug/L			12/26/11 19:10	100
1,2-Dichloropropane	16	U	100	16	ug/L			12/26/11 19:10	100
cis-1,3-Dichloropropene	18	U	100	18	ug/L			12/26/11 19:10	100
trans-1,3-Dichloropropene	21	U	100	21	ug/L			12/26/11 19:10	100
Ethylbenzene	**1600**		100	11	ug/L			12/26/11 19:10	100
2-Hexanone	35	U	200	35	ug/L			12/26/11 19:10	100
Methylene Chloride	**190**	**J**	500	15	ug/L			12/26/11 19:10	100
4-Methyl-2-pentanone (MIBK)	45	U	200	45	ug/L			12/26/11 19:10	100
Styrene	**260**		100	7.0	ug/L			12/26/11 19:10	100
1,1,2,2-Tetrachloroethane	22	U	100	22	ug/L			12/26/11 19:10	100
Tetrachloroethene	**100**		100	13	ug/L			12/26/11 19:10	100
Toluene	**840**		100	15	ug/L			12/26/11 19:10	100
1,1,1-Trichloroethane	15	U	100	15	ug/L			12/26/11 19:10	100
Trichloroethene	**570**		100	18	ug/L			12/26/11 19:10	100
Vinyl acetate	21	U	200	21	ug/L			12/26/11 19:10	100
o-Xylene	12	U	100	12	ug/L			12/26/11 19:10	100
m-Xylene & p-Xylene	17	U	100	17	ug/L			12/26/11 19:10	100
Xylenes, Total	26	U	100	26	ug/L			12/26/11 19:10	100
cis-1,2-Dichloroethene	**1600**		100	6.0	ug/L			12/26/11 19:10	100
Bromodichloromethane	16	U	100	16	ug/L			12/26/11 19:10	100
1,2-Dichloroethene, Total	**4600**		100	30	ug/L			12/26/11 19:10	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*70 - 130*		*12/26/11 19:10*	*100*
Dibromofluoromethane	*105*		*62 - 130*		*12/26/11 19:10*	*100*
4-Bromofluorobenzene	*96*		*67 - 139*		*12/26/11 19:10*	*100*
1,2-Dichloroethane-d4 (Surr)	*80*		*50 - 134*		*12/26/11 19:10*	*100*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	**130000**		5000	700	ug/L			12/26/11 19:36	5000
1,1,2-Trichloroethane	**37000**		5000	1400	ug/L			12/26/11 19:36	5000
Vinyl chloride	**90000**		10000	550	ug/L			12/26/11 19:36	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*70 - 130*		*12/26/11 19:36*	*5000*

Client Sample ID: MW-66-NPM-1

Lab Sample ID: 600-47678-6

Date Collected: 12/20/11 11:20
Date Received: 12/20/11 16:38

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*106*		*62 - 130*		*12/26/11 19:36*	*5000*
4-Bromofluorobenzene	*89*		*67 - 139*		*12/26/11 19:36*	*5000*
1,2-Dichloroethane-d4 (Surr)	*125*		*50 - 134*		*12/26/11 19:36*	*5000*

Client Sample ID: MW-4-NPM-1

Lab Sample ID: 600-47678-7

Date Collected: 12/20/11 11:40
Date Received: 12/20/11 16:38

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	500	U	2500	500	ug/L			12/26/11 20:55	500
Benzene	**4700**		500	40	ug/L			12/26/11 20:55	500
Chlorobromomethane	90	U	500	90	ug/L			12/26/11 20:55	500
Bromoform	95	U	500	95	ug/L			12/26/11 20:55	500
Bromomethane	130	U	1000	130	ug/L			12/26/11 20:55	500
2-Butanone (MEK)	380	U	1000	380	ug/L			12/26/11 20:55	500
Carbon disulfide	120	U	1000	120	ug/L			12/26/11 20:55	500
Carbon tetrachloride	75	U	500	75	ug/L			12/26/11 20:55	500
Dibromochloromethane	75	U	500	75	ug/L			12/26/11 20:55	500
Chlorobenzene	**890**		500	60	ug/L			12/26/11 20:55	500
Chloroethane	40	U	1000	40	ug/L			12/26/11 20:55	500
Chloroform	65	U	500	65	ug/L			12/26/11 20:55	500
Chloromethane	90	U	1000	90	ug/L			12/26/11 20:55	500
1,1-Dichloroethane	**5200**		500	55	ug/L			12/26/11 20:55	500
1,1-Dichloroethene	**8000**		500	95	ug/L			12/26/11 20:55	500
trans-1,2-Dichloroethene	**9500**		500	45	ug/L			12/26/11 20:55	500
1,2-Dichloropropane	80	U	500	80	ug/L			12/26/11 20:55	500
cis-1,3-Dichloropropene	90	U	500	90	ug/L			12/26/11 20:55	500
trans-1,3-Dichloropropene	110	U	500	110	ug/L			12/26/11 20:55	500
Ethylbenzene	**600**		500	55	ug/L			12/26/11 20:55	500
2-Hexanone	180	U	1000	180	ug/L			12/26/11 20:55	500
Methylene Chloride	75	U	2500	75	ug/L			12/26/11 20:55	500
4-Methyl-2-pentanone (MIBK)	230	U	1000	230	ug/L			12/26/11 20:55	500
Styrene	35	U	500	35	ug/L			12/26/11 20:55	500
1,1,2,2-Tetrachloroethane	110	U	500	110	ug/L			12/26/11 20:55	500
Tetrachloroethene	**330**	**J**	500	65	ug/L			12/26/11 20:55	500
Toluene	**190**	**J**	500	75	ug/L			12/26/11 20:55	500
1,1,1-Trichloroethane	75	U	500	75	ug/L			12/26/11 20:55	500
1,1,2-Trichloroethane	140	U	500	140	ug/L			12/26/11 20:55	500
Trichloroethene	**1400**		500	90	ug/L			12/26/11 20:55	500
Vinyl acetate	110	U	1000	110	ug/L			12/26/11 20:55	500
o-Xylene	60	U	500	60	ug/L			12/26/11 20:55	500
m-Xylene & p-Xylene	85	U	500	85	ug/L			12/26/11 20:55	500
Xylenes, Total	130	U	500	130	ug/L			12/26/11 20:55	500
cis-1,2-Dichloroethene	**5500**		500	30	ug/L			12/26/11 20:55	500
Bromodichloromethane	80	U	500	80	ug/L			12/26/11 20:55	500
1,2-Dichloroethene, Total	**15000**		500	150	ug/L			12/26/11 20:55	500

Client Sample ID: MW-4-NPM-1

Lab Sample ID: 600-47678-7

Date Collected: 12/20/11 11:40
Date Received: 12/20/11 16:38

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		70 - 130		12/26/11 20:55	500
Dibromofluoromethane	108		62 - 130		12/26/11 20:55	500
4-Bromofluorobenzene	96		67 - 139		12/26/11 20:55	500
1,2-Dichloroethane-d4 (Surr)	88		50 - 134		12/26/11 20:55	500

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	**72000**		10000	1400	ug/L			12/26/11 21:21	10000
Vinyl chloride	**290000**		20000	1100	ug/L			12/26/11 21:21	10000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		70 - 130		12/26/11 21:21	10000
Dibromofluoromethane	106		62 - 130		12/26/11 21:21	10000
4-Bromofluorobenzene	90		67 - 139		12/26/11 21:21	10000
1,2-Dichloroethane-d4 (Surr)	124		50 - 134		12/26/11 21:21	10000

Client Sample ID: MW-65-NPM-1

Lab Sample ID: 600-47678-8

Date Collected: 12/20/11 11:45
Date Received: 12/20/11 16:38

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	500	U	2500	500	ug/L			12/26/11 21:47	500
Benzene	**4200**		500	40	ug/L			12/26/11 21:47	500
Chlorobromomethane	90	U	500	90	ug/L			12/26/11 21:47	500
Bromoform	95	U	500	95	ug/L			12/26/11 21:47	500
Bromomethane	130	U	1000	130	ug/L			12/26/11 21:47	500
2-Butanone (MEK)	380	U	1000	380	ug/L			12/26/11 21:47	500
Carbon disulfide	120	U	1000	120	ug/L			12/26/11 21:47	500
Carbon tetrachloride	75	U	500	75	ug/L			12/26/11 21:47	500
Dibromochloromethane	75	U	500	75	ug/L			12/26/11 21:47	500
Chlorobenzene	**1200**		500	60	ug/L			12/26/11 21:47	500
Chloroethane	40	U	1000	40	ug/L			12/26/11 21:47	500
Chloroform	65	U	500	65	ug/L			12/26/11 21:47	500
Chloromethane	90	U	1000	90	ug/L			12/26/11 21:47	500
1,1-Dichloroethane	**3400**		500	55	ug/L			12/26/11 21:47	500
1,2-Dichloroethane	**1200**		500	70	ug/L			12/26/11 21:47	500
1,1-Dichloroethene	**3100**		500	95	ug/L			12/26/11 21:47	500
trans-1,2-Dichloroethene	**6500**		500	45	ug/L			12/26/11 21:47	500
1,2-Dichloropropane	80	U	500	80	ug/L			12/26/11 21:47	500
cis-1,3-Dichloropropene	90	U	500	90	ug/L			12/26/11 21:47	500
trans-1,3-Dichloropropene	110	U	500	110	ug/L			12/26/11 21:47	500
Ethylbenzene	**810**		500	55	ug/L			12/26/11 21:47	500
2-Hexanone	180	U	1000	180	ug/L			12/26/11 21:47	500
Methylene Chloride	75	U	2500	75	ug/L			12/26/11 21:47	500
4-Methyl-2-pentanone (MIBK)	230	U	1000	230	ug/L			12/26/11 21:47	500
Styrene	35	U	500	35	ug/L			12/26/11 21:47	500
1,1,2,2-Tetrachloroethane	110	U	500	110	ug/L			12/26/11 21:47	500
Tetrachloroethene	**330**	**J**	500	65	ug/L			12/26/11 21:47	500
Toluene	**230**	**J**	500	75	ug/L			12/26/11 21:47	500

Client Sample ID: MW-65-NPM-1

Lab Sample ID: 600-47678-8

Date Collected: 12/20/11 11:45

Matrix: Water

Date Received: 12/20/11 16:38

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	75	U	500	75	ug/L			12/26/11 21:47	500
1,1,2-Trichloroethane	140	U	500	140	ug/L			12/26/11 21:47	500
Trichloroethene	**870**		500	90	ug/L			12/26/11 21:47	500
Vinyl acetate	110	U	1000	110	ug/L			12/26/11 21:47	500
o-Xylene	60	U	500	60	ug/L			12/26/11 21:47	500
m-Xylene & p-Xylene	85	U	500	85	ug/L			12/26/11 21:47	500
Xylenes, Total	130	U	500	130	ug/L			12/26/11 21:47	500
cis-1,2-Dichloroethene	**2000**		500	30	ug/L			12/26/11 21:47	500
Bromodichloromethane	80	U	500	80	ug/L			12/26/11 21:47	500
1,2-Dichloroethene, Total	**8500**		500	150	ug/L			12/26/11 21:47	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*70 - 130*		*12/26/11 21:47*	*500*
Dibromofluoromethane	*105*		*62 - 130*		*12/26/11 21:47*	*500*
4-Bromofluorobenzene	*97*		*67 - 139*		*12/26/11 21:47*	*500*
1,2-Dichloroethane-d4 (Surr)	*121*		*50 - 134*		*12/26/11 21:47*	*500*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**240000**		20000	1100	ug/L			12/26/11 22:14	10000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*70 - 130*		*12/26/11 22:14*	*10000*
Dibromofluoromethane	*111*		*62 - 130*		*12/26/11 22:14*	*10000*
4-Bromofluorobenzene	*93*		*67 - 139*		*12/26/11 22:14*	*10000*
1,2-Dichloroethane-d4 (Surr)	*109*		*50 - 134*		*12/26/11 22:14*	*10000*

Client Sample ID: DUP-NPM-1

Lab Sample ID: 600-47678-9

Date Collected: 12/20/11 00:00

Matrix: Water

Date Received: 12/20/11 16:38

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	99	U	500	99	ug/L			12/26/11 20:02	100
Benzene	**4000**		100	8.0	ug/L			12/26/11 20:02	100
Chlorobromomethane	18	U	100	18	ug/L			12/26/11 20:02	100
Bromoform	19	U	100	19	ug/L			12/26/11 20:02	100
Bromomethane	25	U	200	25	ug/L			12/26/11 20:02	100
2-Butanone (MEK)	76	U	200	76	ug/L			12/26/11 20:02	100
Carbon disulfide	24	U	200	24	ug/L			12/26/11 20:02	100
Carbon tetrachloride	15	U	100	15	ug/L			12/26/11 20:02	100
Dibromochloromethane	15	U	100	15	ug/L			12/26/11 20:02	100
Chlorobenzene	**610**		100	12	ug/L			12/26/11 20:02	100
Chloroethane	8.0	U	200	8.0	ug/L			12/26/11 20:02	100
Chloroform	13	U	100	13	ug/L			12/26/11 20:02	100
Chloromethane	18	U	200	18	ug/L			12/26/11 20:02	100
1,1-Dichloroethane	**2800**		100	11	ug/L			12/26/11 20:02	100
1,1-Dichloroethene	**1800**		100	19	ug/L			12/26/11 20:02	100
trans-1,2-Dichloroethene	**3500**		100	9.0	ug/L			12/26/11 20:02	100
1,2-Dichloropropane	16	U	100	16	ug/L			12/26/11 20:02	100

Client Sample ID: DUP-NPM-1

Lab Sample ID: 600-47678-9

Date Collected: 12/20/11 00:00
Date Received: 12/20/11 16:38

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	18	U	100	18	ug/L			12/26/11 20:02	100
trans-1,3-Dichloropropene	21	U	100	21	ug/L			12/26/11 20:02	100
Ethylbenzene	**1300**		100	11	ug/L			12/26/11 20:02	100
2-Hexanone	35	U	200	35	ug/L			12/26/11 20:02	100
Methylene Chloride	**200**	**J**	500	15	ug/L			12/26/11 20:02	100
4-Methyl-2-pentanone (MIBK)	45	U	200	45	ug/L			12/26/11 20:02	100
Styrene	**240**		100	7.0	ug/L			12/26/11 20:02	100
1,1,2,2-Tetrachloroethane	22	U	100	22	ug/L			12/26/11 20:02	100
Tetrachloroethene	**71**	**J**	100	13	ug/L			12/26/11 20:02	100
Toluene	**870**		100	15	ug/L			12/26/11 20:02	100
1,1,1-Trichloroethane	15	U	100	15	ug/L			12/26/11 20:02	100
Trichloroethene	**580**		100	18	ug/L			12/26/11 20:02	100
Vinyl acetate	21	U	200	21	ug/L			12/26/11 20:02	100
o-Xylene	12	U	100	12	ug/L			12/26/11 20:02	100
m-Xylene & p-Xylene	17	U	100	17	ug/L			12/26/11 20:02	100
Xylenes, Total	26	U	100	26	ug/L			12/26/11 20:02	100
cis-1,2-Dichloroethene	**1800**		100	6.0	ug/L			12/26/11 20:02	100
Bromodichloromethane	16	U	100	16	ug/L			12/26/11 20:02	100
1,2-Dichloroethene, Total	**5300**		100	30	ug/L			12/26/11 20:02	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*90*		*70 - 130*		*12/26/11 20:02*	*100*
Dibromofluoromethane	*112*		*62 - 130*		*12/26/11 20:02*	*100*
4-Bromofluorobenzene	*91*		*67 - 139*		*12/26/11 20:02*	*100*
1,2-Dichloroethane-d4 (Surr)	*81*		*50 - 134*		*12/26/11 20:02*	*100*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	**140000**		5000	700	ug/L			12/26/11 20:28	5000
1,1,2-Trichloroethane	**43000**		5000	1400	ug/L			12/26/11 20:28	5000
Vinyl chloride	**94000**		10000	550	ug/L			12/26/11 20:28	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*70 - 130*		*12/26/11 20:28*	*5000*
Dibromofluoromethane	*110*		*62 - 130*		*12/26/11 20:28*	*5000*
4-Bromofluorobenzene	*92*		*67 - 139*		*12/26/11 20:28*	*5000*
1,2-Dichloroethane-d4 (Surr)	*129*		*50 - 134*		*12/26/11 20:28*	*5000*

Client Sample ID: TRIP BLANK

Lab Sample ID: 600-47678-10

Date Collected: 12/20/11 00:00
Date Received: 12/20/11 16:38

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			12/26/11 14:21	1
Benzene	0.080	U	1.0	0.080	ug/L			12/26/11 14:21	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			12/26/11 14:21	1
Bromoform	0.19	U	1.0	0.19	ug/L			12/26/11 14:21	1
Bromomethane	0.25	U	2.0	0.25	ug/L			12/26/11 14:21	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			12/26/11 14:21	1

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-47678-1

Client Sample ID: TRIP BLANK
Date Collected: 12/20/11 00:00
Date Received: 12/20/11 16:38

Lab Sample ID: 600-47678-10
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.24	U	2.0	0.24	ug/L			12/26/11 14:21	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			12/26/11 14:21	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			12/26/11 14:21	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			12/26/11 14:21	1
Chloroethane	0.080	U	2.0	0.080	ug/L			12/26/11 14:21	1
Chloroform	0.13	U	1.0	0.13	ug/L			12/26/11 14:21	1
Chloromethane	0.18	U	2.0	0.18	ug/L			12/26/11 14:21	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			12/26/11 14:21	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			12/26/11 14:21	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			12/26/11 14:21	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			12/26/11 14:21	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			12/26/11 14:21	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			12/26/11 14:21	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			12/26/11 14:21	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			12/26/11 14:21	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			12/26/11 14:21	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			12/26/11 14:21	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			12/26/11 14:21	1
Styrene	0.070	U	1.0	0.070	ug/L			12/26/11 14:21	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			12/26/11 14:21	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			12/26/11 14:21	1
Toluene	0.15	U	1.0	0.15	ug/L			12/26/11 14:21	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			12/26/11 14:21	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			12/26/11 14:21	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			12/26/11 14:21	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			12/26/11 14:21	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			12/26/11 14:21	1
o-Xylene	0.12	U	1.0	0.12	ug/L			12/26/11 14:21	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			12/26/11 14:21	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			12/26/11 14:21	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			12/26/11 14:21	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			12/26/11 14:21	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			12/26/11 14:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*70 - 130*		*12/26/11 14:21*	*1*
Dibromofluoromethane	*108*		*62 - 130*		*12/26/11 14:21*	*1*
4-Bromofluorobenzene	*89*		*67 - 139*		*12/26/11 14:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*50 - 134*		*12/26/11 14:21*	*1*

Surrogate Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-47678-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DBFM	BFB	12DCE
Lab Sample ID	Client Sample ID	(70-130)	(62-130)	(67-139)	(50-134)
600-47678-1 - DL	MW-71-NPM-1	95	97	95	98
600-47678-1	MW-71-NPM-1	92	83	93	118
600-47678-2 - DL	MW-8-NPM-1	96	93	89	88
600-47678-2	MW-8-NPM-1	90	107	95	120
600-47678-3	MW-11-NPM-1	96	96	100	95
600-47678-3 - DL	MW-11-NPM-1	97	100	87	109
600-47678-4 - DL	MW-40-NPM-1	94	100	96	96
600-47678-4	MW-40-NPM-1	90	111	94	112
600-47678-5 - DL	MW-68-NPM-1	93	99	94	101
600-47678-5	MW-68-NPM-1	95	102	94	111
600-47678-6	MW-66-NPM-1	92	105	96	80
600-47678-6 - DL	MW-66-NPM-1	92	106	89	125
600-47678-7	MW-4-NPM-1	94	108	96	88
600-47678-7 - DL	MW-4-NPM-1	98	106	90	124
600-47678-8	MW-65-NPM-1	93	105	97	121
600-47678-8 - DL	MW-65-NPM-1	94	111	93	109
600-47678-9	DUP-NPM-1	90	112	91	81
600-47678-9 - DL	DUP-NPM-1	94	110	92	129
600-47678-10	TRIP BLANK	94	108	89	110
LCS 600-68882/4	Lab Control Sample	103	111	106	126
LCS 600-68885/4	Lab Control Sample	99	114	97	123
LCS 600-68996/4	Lab Control Sample	99	119	96	124
MB 600-68882/6	Method Blank	97	107	91	89
MB 600-68885/6	Method Blank	92	105	91	108
MB 600-68996/6	Method Blank	91	107	84	116

Surrogate Legend

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane

BFB = 4-Bromofluorobenzene

12DCE = 1,2-Dichloroethane-d4 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 600-68882/6
Matrix: Water
Analysis Batch: 68882

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			12/24/11 13:34	1
Benzene	0.080	U	1.0	0.080	ug/L			12/24/11 13:34	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			12/24/11 13:34	1
Bromoform	0.19	U	1.0	0.19	ug/L			12/24/11 13:34	1
Bromomethane	0.25	U	2.0	0.25	ug/L			12/24/11 13:34	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			12/24/11 13:34	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			12/24/11 13:34	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			12/24/11 13:34	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			12/24/11 13:34	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			12/24/11 13:34	1
Chloroethane	0.080	U	2.0	0.080	ug/L			12/24/11 13:34	1
Chloroform	0.13	U	1.0	0.13	ug/L			12/24/11 13:34	1
Chloromethane	0.18	U	2.0	0.18	ug/L			12/24/11 13:34	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			12/24/11 13:34	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			12/24/11 13:34	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			12/24/11 13:34	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			12/24/11 13:34	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			12/24/11 13:34	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			12/24/11 13:34	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			12/24/11 13:34	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			12/24/11 13:34	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			12/24/11 13:34	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			12/24/11 13:34	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			12/24/11 13:34	1
Styrene	0.070	U	1.0	0.070	ug/L			12/24/11 13:34	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			12/24/11 13:34	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			12/24/11 13:34	1
Toluene	0.15	U	1.0	0.15	ug/L			12/24/11 13:34	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			12/24/11 13:34	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			12/24/11 13:34	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			12/24/11 13:34	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			12/24/11 13:34	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			12/24/11 13:34	1
o-Xylene	0.12	U	1.0	0.12	ug/L			12/24/11 13:34	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			12/24/11 13:34	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			12/24/11 13:34	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			12/24/11 13:34	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			12/24/11 13:34	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			12/24/11 13:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*70 - 130*		*12/24/11 13:34*	*1*
Dibromofluoromethane	*107*		*62 - 130*		*12/24/11 13:34*	*1*
4-Bromofluorobenzene	*91*		*67 - 139*		*12/24/11 13:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*50 - 134*		*12/24/11 13:34*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-68882/4
Matrix: Water
Analysis Batch: 68882

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	24.9		ug/L		124	28 - 152
Benzene	10.0	11.2		ug/L		112	69 - 131
Chlorobromomethane	10.0	10.9		ug/L		109	60 - 141
Bromoform	10.0	10.4		ug/L		104	39 - 149
Bromomethane	10.0	7.44		ug/L		74	52 - 146
2-Butanone (MEK)	20.0	25.0		ug/L		125	59 - 133
Carbon disulfide	10.0	12.2		ug/L		122	32 - 177
Carbon tetrachloride	10.0	9.16		ug/L		92	59 - 147
Dibromochloromethane	10.0	10.3		ug/L		103	58 - 132
Chlorobenzene	10.0	10.1		ug/L		101	60 - 136
Chloroethane	10.0	8.98		ug/L		90	56 - 144
Chloroform	10.0	9.90		ug/L		99	69 - 128
Chloromethane	10.0	8.21		ug/L		82	32 - 151
1,1-Dichloroethane	10.0	11.1		ug/L		111	66 - 126
1,2-Dichloroethane	10.0	12.0		ug/L		120	66 - 140
1,1-Dichloroethene	10.0	9.52		ug/L		95	59 - 145
trans-1,2-Dichloroethene	10.0	10.5		ug/L		105	70 - 132
1,2-Dichloropropane	10.0	11.8		ug/L		118	72 - 125
cis-1,3-Dichloropropene	10.0	10.5		ug/L		105	60 - 135
trans-1,3-Dichloropropene	10.0	11.8		ug/L		118	63 - 133
Ethylbenzene	10.0	9.40		ug/L		94	68 - 128
2-Hexanone	20.0	19.4		ug/L		97	51 - 130
Methylene Chloride	10.0	11.1		ug/L		111	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	26.6		ug/L		133	56 - 142
Styrene	10.0	9.74		ug/L		97	68 - 133
1,1,2,2-Tetrachloroethane	10.0	11.2		ug/L		112	68 - 134
Tetrachloroethene	10.0	9.28		ug/L		93	61 - 142
Toluene	10.0	9.51		ug/L		95	67 - 130
1,1,1-Trichloroethane	10.0	10.5		ug/L		105	65 - 142
1,1,2-Trichloroethane	10.0	10.2		ug/L		102	68 - 130
Trichloroethene	10.0	10.6		ug/L		106	68 - 130
Vinyl acetate	10.0	14.5		ug/L		145	58 - 175
Vinyl chloride	10.0	7.94		ug/L		79	47 - 146
o-Xylene	10.0	9.59		ug/L		96	68 - 134
m-Xylene & p-Xylene	20.0	18.6		ug/L		93	67 - 132
Xylenes, Total	30.0	28.2		ug/L		94	68 - 132
cis-1,2-Dichloroethene	10.0	11.7		ug/L		117	69 - 129
Bromodichloromethane	10.0	10.6		ug/L		106	73 - 130
1,2-Dichloroethene, Total	20.0	22.2		ug/L		111	65 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*103*		*70 - 130*
Dibromofluoromethane	*111*		*62 - 130*
4-Bromofluorobenzene	*106*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*126*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 600-68885/6
Matrix: Water
Analysis Batch: 68885

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			12/26/11 13:55	1
Benzene	0.080	U	1.0	0.080	ug/L			12/26/11 13:55	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			12/26/11 13:55	1
Bromoform	0.19	U	1.0	0.19	ug/L			12/26/11 13:55	1
Bromomethane	0.25	U	2.0	0.25	ug/L			12/26/11 13:55	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			12/26/11 13:55	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			12/26/11 13:55	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			12/26/11 13:55	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			12/26/11 13:55	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			12/26/11 13:55	1
Chloroethane	0.080	U	2.0	0.080	ug/L			12/26/11 13:55	1
Chloroform	0.13	U	1.0	0.13	ug/L			12/26/11 13:55	1
Chloromethane	0.18	U	2.0	0.18	ug/L			12/26/11 13:55	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			12/26/11 13:55	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			12/26/11 13:55	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			12/26/11 13:55	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			12/26/11 13:55	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			12/26/11 13:55	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			12/26/11 13:55	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			12/26/11 13:55	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			12/26/11 13:55	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			12/26/11 13:55	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			12/26/11 13:55	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			12/26/11 13:55	1
Styrene	0.070	U	1.0	0.070	ug/L			12/26/11 13:55	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			12/26/11 13:55	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			12/26/11 13:55	1
Toluene	0.15	U	1.0	0.15	ug/L			12/26/11 13:55	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			12/26/11 13:55	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			12/26/11 13:55	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			12/26/11 13:55	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			12/26/11 13:55	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			12/26/11 13:55	1
o-Xylene	0.12	U	1.0	0.12	ug/L			12/26/11 13:55	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			12/26/11 13:55	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			12/26/11 13:55	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			12/26/11 13:55	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			12/26/11 13:55	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			12/26/11 13:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*70 - 130*		*12/26/11 13:55*	*1*
Dibromofluoromethane	*105*		*62 - 130*		*12/26/11 13:55*	*1*
4-Bromofluorobenzene	*91*		*67 - 139*		*12/26/11 13:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*50 - 134*		*12/26/11 13:55*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-68885/4
Matrix: Water
Analysis Batch: 68885

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	20.6		ug/L		103	28 - 152
Benzene	10.0	10.4		ug/L		104	69 - 131
Chlorobromomethane	10.0	11.9		ug/L		119	60 - 141
Bromoform	10.0	9.72		ug/L		97	39 - 149
Bromomethane	10.0	8.20		ug/L		82	52 - 146
2-Butanone (MEK)	20.0	21.9		ug/L		110	59 - 133
Carbon disulfide	10.0	11.6		ug/L		116	32 - 177
Carbon tetrachloride	10.0	9.91		ug/L		99	59 - 147
Dibromochloromethane	10.0	9.79		ug/L		98	58 - 132
Chlorobenzene	10.0	9.25		ug/L		93	60 - 136
Chloroethane	10.0	8.32		ug/L		83	56 - 144
Chloroform	10.0	9.48		ug/L		95	69 - 128
Chloromethane	10.0	7.43		ug/L		74	32 - 151
1,1-Dichloroethane	10.0	10.3		ug/L		103	66 - 126
1,2-Dichloroethane	10.0	11.8		ug/L		118	66 - 140
1,1-Dichloroethene	10.0	9.28		ug/L		93	59 - 145
trans-1,2-Dichloroethene	10.0	9.53		ug/L		95	70 - 132
1,2-Dichloropropane	10.0	10.7		ug/L		107	72 - 125
cis-1,3-Dichloropropene	10.0	9.66		ug/L		97	60 - 135
trans-1,3-Dichloropropene	10.0	10.9		ug/L		109	63 - 133
Ethylbenzene	10.0	9.07		ug/L		91	68 - 128
2-Hexanone	20.0	16.7		ug/L		84	51 - 130
Methylene Chloride	10.0	9.12		ug/L		91	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	26.4		ug/L		132	56 - 142
Styrene	10.0	9.53		ug/L		95	68 - 133
1,1,2,2-Tetrachloroethane	10.0	10.1		ug/L		101	68 - 134
Tetrachloroethene	10.0	9.79		ug/L		98	61 - 142
Toluene	10.0	9.24		ug/L		92	67 - 130
1,1,1-Trichloroethane	10.0	9.94		ug/L		99	65 - 142
1,1,2-Trichloroethane	10.0	9.52		ug/L		95	68 - 130
Trichloroethene	10.0	10.0		ug/L		100	68 - 130
Vinyl acetate	10.0	11.6		ug/L		116	58 - 175
Vinyl chloride	10.0	7.25		ug/L		72	47 - 146
o-Xylene	10.0	9.23		ug/L		92	68 - 134
m-Xylene & p-Xylene	20.0	17.9		ug/L		90	67 - 132
Xylenes, Total	30.0	27.1		ug/L		90	68 - 132
cis-1,2-Dichloroethene	10.0	10.4		ug/L		104	69 - 129
Bromodichloromethane	10.0	10.1		ug/L		101	73 - 130
1,2-Dichloroethene, Total	20.0	19.9		ug/L		100	65 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*70 - 130*
Dibromofluoromethane	*114*		*62 - 130*
4-Bromofluorobenzene	*97*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*123*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 600-68996/6
Matrix: Water
Analysis Batch: 68996

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			12/27/11 14:13	1
Benzene	0.080	U	1.0	0.080	ug/L			12/27/11 14:13	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			12/27/11 14:13	1
Bromoform	0.19	U	1.0	0.19	ug/L			12/27/11 14:13	1
Bromomethane	0.25	U	2.0	0.25	ug/L			12/27/11 14:13	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			12/27/11 14:13	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			12/27/11 14:13	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			12/27/11 14:13	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			12/27/11 14:13	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			12/27/11 14:13	1
Chloroethane	0.080	U	2.0	0.080	ug/L			12/27/11 14:13	1
Chloroform	0.13	U	1.0	0.13	ug/L			12/27/11 14:13	1
Chloromethane	0.18	U	2.0	0.18	ug/L			12/27/11 14:13	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			12/27/11 14:13	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			12/27/11 14:13	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			12/27/11 14:13	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			12/27/11 14:13	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			12/27/11 14:13	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			12/27/11 14:13	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			12/27/11 14:13	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			12/27/11 14:13	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			12/27/11 14:13	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			12/27/11 14:13	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			12/27/11 14:13	1
Styrene	0.070	U	1.0	0.070	ug/L			12/27/11 14:13	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			12/27/11 14:13	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			12/27/11 14:13	1
Toluene	0.15	U	1.0	0.15	ug/L			12/27/11 14:13	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			12/27/11 14:13	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			12/27/11 14:13	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			12/27/11 14:13	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			12/27/11 14:13	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			12/27/11 14:13	1
o-Xylene	0.12	U	1.0	0.12	ug/L			12/27/11 14:13	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			12/27/11 14:13	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			12/27/11 14:13	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			12/27/11 14:13	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			12/27/11 14:13	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			12/27/11 14:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*91*		*70 - 130*		*12/27/11 14:13*	*1*
Dibromofluoromethane	*107*		*62 - 130*		*12/27/11 14:13*	*1*
4-Bromofluorobenzene	*84*		*67 - 139*		*12/27/11 14:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*116*		*50 - 134*		*12/27/11 14:13*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-68996/4
Matrix: Water
Analysis Batch: 68996

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	25.3		ug/L		126	28 - 152
Benzene	10.0	11.2		ug/L		112	69 - 131
Chlorobromomethane	10.0	12.0		ug/L		120	60 - 141
Bromoform	10.0	8.37		ug/L		84	39 - 149
Bromomethane	10.0	8.55		ug/L		85	52 - 146
2-Butanone (MEK)	20.0	23.2		ug/L		116	59 - 133
Carbon disulfide	10.0	11.6		ug/L		116	32 - 177
Carbon tetrachloride	10.0	10.2		ug/L		102	59 - 147
Dibromochloromethane	10.0	10.3		ug/L		103	58 - 132
Chlorobenzene	10.0	9.47		ug/L		95	60 - 136
Chloroethane	10.0	8.74		ug/L		87	56 - 144
Chloroform	10.0	9.13		ug/L		91	69 - 128
Chloromethane	10.0	7.86		ug/L		79	32 - 151
1,1-Dichloroethane	10.0	11.2		ug/L		112	66 - 126
1,2-Dichloroethane	10.0	12.3		ug/L		123	66 - 140
1,1-Dichloroethene	10.0	9.20		ug/L		92	59 - 145
trans-1,2-Dichloroethene	10.0	10.4		ug/L		104	70 - 132
1,2-Dichloropropane	10.0	11.4		ug/L		114	72 - 125
cis-1,3-Dichloropropene	10.0	9.68		ug/L		97	60 - 135
trans-1,3-Dichloropropene	10.0	10.1		ug/L		101	63 - 133
Ethylbenzene	10.0	9.30		ug/L		93	68 - 128
2-Hexanone	20.0	17.2		ug/L		86	51 - 130
Methylene Chloride	10.0	10.6		ug/L		106	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	26.9		ug/L		134	56 - 142
Styrene	10.0	9.95		ug/L		99	68 - 133
1,1,2,2-Tetrachloroethane	10.0	9.85		ug/L		98	68 - 134
Tetrachloroethene	10.0	9.55		ug/L		96	61 - 142
Toluene	10.0	9.44		ug/L		94	67 - 130
1,1,1-Trichloroethane	10.0	10.3		ug/L		103	65 - 142
1,1,2-Trichloroethane	10.0	9.85		ug/L		99	68 - 130
Trichloroethene	10.0	10.8		ug/L		108	68 - 130
Vinyl acetate	10.0	16.5		ug/L		165	58 - 175
Vinyl chloride	10.0	7.45		ug/L		74	47 - 146
o-Xylene	10.0	9.35		ug/L		93	68 - 134
m-Xylene & p-Xylene	20.0	18.6		ug/L		93	67 - 132
Xylenes, Total	30.0	28.0		ug/L		93	68 - 132
cis-1,2-Dichloroethene	10.0	11.2		ug/L		112	69 - 129
Bromodichloromethane	10.0	10.3		ug/L		103	73 - 130
1,2-Dichloroethene, Total	20.0	21.6		ug/L		108	65 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*70 - 130*
Dibromofluoromethane	*119*		*62 - 130*
4-Bromofluorobenzene	*96*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*124*		*50 - 134*

QC Association Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-47678-1

GC/MS VOA

Analysis Batch: 68882

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-47678-1 - DL	MW-71-NPM-1	Total/NA	Water	8260B	
600-47678-2 - DL	MW-8-NPM-1	Total/NA	Water	8260B	
600-47678-3	MW-11-NPM-1	Total/NA	Water	8260B	
600-47678-4 - DL	MW-40-NPM-1	Total/NA	Water	8260B	
600-47678-5 - DL	MW-68-NPM-1	Total/NA	Water	8260B	
LCS 600-68882/4	Lab Control Sample	Total/NA	Water	8260B	
MB 600-68882/6	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 68885

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-47678-1	MW-71-NPM-1	Total/NA	Water	8260B	
600-47678-2	MW-8-NPM-1	Total/NA	Water	8260B	
600-47678-6	MW-66-NPM-1	Total/NA	Water	8260B	
600-47678-6 - DL	MW-66-NPM-1	Total/NA	Water	8260B	
600-47678-7	MW-4-NPM-1	Total/NA	Water	8260B	
600-47678-7 - DL	MW-4-NPM-1	Total/NA	Water	8260B	
600-47678-8	MW-65-NPM-1	Total/NA	Water	8260B	
600-47678-8 - DL	MW-65-NPM-1	Total/NA	Water	8260B	
600-47678-9	DUP-NPM-1	Total/NA	Water	8260B	
600-47678-9 - DL	DUP-NPM-1	Total/NA	Water	8260B	
600-47678-10	TRIP BLANK	Total/NA	Water	8260B	
LCS 600-68885/4	Lab Control Sample	Total/NA	Water	8260B	
MB 600-68885/6	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 68996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-47678-3 - DL	MW-11-NPM-1	Total/NA	Water	8260B	
600-47678-4	MW-40-NPM-1	Total/NA	Water	8260B	
600-47678-5	MW-68-NPM-1	Total/NA	Water	8260B	
LCS 600-68996/4	Lab Control Sample	Total/NA	Water	8260B	
MB 600-68996/6	Method Blank	Total/NA	Water	8260B	

Lab Chronicle

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-47678-1

Client Sample ID: MW-71-NPM-1 — Lab Sample ID: 600-47678-1

Date Collected: 12/20/11 09:40 — **Matrix: Water**
Date Received: 12/20/11 16:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	100	68882	12/24/11 21:03	KLV	TAL HOU
Total/NA	Analysis	8260B		20	68885	12/26/11 18:17	KLV	TAL HOU

Client Sample ID: MW-8-NPM-1 — Lab Sample ID: 600-47678-2

Date Collected: 12/20/11 10:10 — **Matrix: Water**
Date Received: 12/20/11 16:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	100	68882	12/24/11 21:29	KLV	TAL HOU
Total/NA	Analysis	8260B		20	68885	12/26/11 18:43	KLV	TAL HOU

Client Sample ID: MW-11-NPM-1 — Lab Sample ID: 600-47678-3

Date Collected: 12/20/11 10:35 — **Matrix: Water**
Date Received: 12/20/11 16:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		100	68882	12/24/11 21:56	KLV	TAL HOU
Total/NA	Analysis	8260B	DL	1000	68996	12/27/11 15:57	KLV	TAL HOU

Client Sample ID: MW-40-NPM-1 — Lab Sample ID: 600-47678-4

Date Collected: 12/20/11 10:45 — **Matrix: Water**
Date Received: 12/20/11 16:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	100	68882	12/24/11 22:22	KLV	TAL HOU
Total/NA	Analysis	8260B		20	68996	12/27/11 15:05	KLV	TAL HOU

Client Sample ID: MW-68-NPM-1 — Lab Sample ID: 600-47678-5

Date Collected: 12/20/11 11:00 — **Matrix: Water**
Date Received: 12/20/11 16:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	100	68882	12/24/11 22:48	KLV	TAL HOU
Total/NA	Analysis	8260B		20	68996	12/27/11 15:31	KLV	TAL HOU

Client Sample ID: MW-66-NPM-1 — Lab Sample ID: 600-47678-6

Date Collected: 12/20/11 11:20 — **Matrix: Water**
Date Received: 12/20/11 16:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		100	68885	12/26/11 19:10	KLV	TAL HOU
Total/NA	Analysis	8260B	DL	5000	68885	12/26/11 19:36	KLV	TAL HOU

Lab Chronicle

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-47678-1

Client Sample ID: MW-4-NPM-1

Lab Sample ID: 600-47678-7

Date Collected: 12/20/11 11:40
Matrix: Water
Date Received: 12/20/11 16:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		500	68885	12/26/11 20:55	KLV	TAL HOU
Total/NA	Analysis	8260B	DL	10000	68885	12/26/11 21:21	KLV	TAL HOU

Client Sample ID: MW-65-NPM-1

Lab Sample ID: 600-47678-8

Date Collected: 12/20/11 11:45
Matrix: Water
Date Received: 12/20/11 16:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		500	68885	12/26/11 21:47	KLV	TAL HOU
Total/NA	Analysis	8260B	DL	10000	68885	12/26/11 22:14	KLV	TAL HOU

Client Sample ID: DUP-NPM-1

Lab Sample ID: 600-47678-9

Date Collected: 12/20/11 00:00
Matrix: Water
Date Received: 12/20/11 16:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		100	68885	12/26/11 20:02	KLV	TAL HOU
Total/NA	Analysis	8260B	DL	5000	68885	12/26/11 20:28	KLV	TAL HOU

Client Sample ID: TRIP BLANK

Lab Sample ID: 600-47678-10

Date Collected: 12/20/11 00:00
Matrix: Water
Date Received: 12/20/11 16:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	68885	12/26/11 14:21	KLV	TAL HOU

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Certification Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-47678-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Houston	Arkansas	State Program	6	88-0759
TestAmerica Houston	Louisiana	NELAC	6	30643
TestAmerica Houston	Oklahoma	State Program	6	9503
TestAmerica Houston	Texas	NELAC	6	T104704223-10-6-TX
TestAmerica Houston	USDA	USDA		P330-08-00217
TestAmerica Houston	Utah	NELAC	8	GULF

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-47678-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL HOU

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Sample Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-47678-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
600-47678-1	MW-71-NPM-1	Water	12/20/11 09:40	12/20/11 16:38
600-47678-2	MW-8-NPM-1	Water	12/20/11 10:10	12/20/11 16:38
600-47678-3	MW-11-NPM-1	Water	12/20/11 10:35	12/20/11 16:38
600-47678-4	MW-40-NPM-1	Water	12/20/11 10:45	12/20/11 16:38
600-47678-5	MW-68-NPM-1	Water	12/20/11 11:00	12/20/11 16:38
600-47678-6	MW-66-NPM-1	Water	12/20/11 11:20	12/20/11 16:38
600-47678-7	MW-4-NPM-1	Water	12/20/11 11:40	12/20/11 16:38
600-47678-8	MW-65-NPM-1	Water	12/20/11 11:45	12/20/11 16:38
600-47678-9	DUP-NPM-1	Water	12/20/11 00:00	12/20/11 16:38
600-47678-10	TRIP BLANK	Water	12/20/11 00:00	12/20/11 16:38

TestAmerica Houston
6310 Rollcroft Street
Houston, TX 77040
Phone (713) 690-4444 Fax (713) 690-5646

Chain of Custody Record

Loc: 600
4767

Client Information	Sampler: KCH	Lab PM: Kudchadkar, Sachin G	Carrier Tracking No(s):
Client Contact: Ms. Kate Hamel	Phone: 713-522-6300	E-Mail: sachin.kudchadkar@testamericainc.com	Page 1 of 1
Company: Groundwater Services, Inc.			Job #: 6-3460
Address: 2211 Norfolk, Suite 1000	Due Date Requested:		
City: Houston	TAT Requested (days): STANDARD		
State, Zip: TX, 77098-4044			
Phone: 713-522-6300(Tel)	PO #: Purchase Order not requir		
Email: kchamel@gsi-net.com, tem@gsi-net.com	WO #:		
Project Name: G-3460	Project #: 60002425		
Site: N-80	SSOW#:		

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B_LL - Target Compound List	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
MW-71-NPM-1	12/20/11	940	G	Water			✓		
MW-8-NPM-1		1010		Water			✓		
MW-11-NPM-1		1035		Water			✓		
MW-40-NPM-1		1045		Water			✓		
MW-68-NPM-1		1100		Water			✓		
MW-66-NPM-1		1120		Water			✓		
MW-4-NPM-1		1140		Water			✓		
MW-65-NPM-1		1145		Water			✓		
DUP-NPM-1		—		Water			✓		
TRIP BLANK-		—		Water			✓		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: STANDARD QA/QC

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: Kate Hamel	Date/Time: 12/20/11 4:40	Company: GSI	Received by:	Date/Time: 12/20/11 0638	Company: TAL
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: ☐ Yes ☐ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks

Login Sample Receipt Checklist

Client: Groundwater Services, Inc.

Job Number: 600-47678-1

Login Number: 47678

List Source: TestAmerica Houston

List Number: 1

Creator: Meeler, Brandi M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.3
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Tel: (713)690-4444

TestAmerica Job ID: 600-46717-1
Client Project/Site: G-3460 N-80

For:
Groundwater Services, Inc.
2211 Norfolk, Suite 1000
Houston, Texas 77098-4044

Attn: Ms. Kate Hamel

Authorized for release by:
12/14/2011 12:45:11 PM
Cathy Upton
LAN Analyst
cathy.upton@testamericainc.com

Designee for

Sachin Kudchadkar
Project Manager II
sachin.kudchadkar@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-46717-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 600-46717-1

Laboratory: TestAmerica Houston

Narrative

Job Narrative
600-46717-1

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
Method(s) 8260B: The following sample(s) was diluted due to the nature of the sample matrix: MW-6-SS-1 (600-46717-1), MW-71-SS-1 (600-46717-2), MW-8-SS-1 (600-46717-3). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The following sample(s) was diluted due to the nature of the sample matrix: MW-11-SS-1 (600-46717-4), MW-66-SS-1 (600-46717-7), MW-68-SS-1 (600-46717-6). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The following sample(s) was diluted due to the nature of the sample matrix: MW-4-SS-1 (600-46717-8). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

Detection Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-46717-1

Client Sample ID: MW-6-SS-1 — Lab Sample ID: 600-46717-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	5000		200	16	ug/L	200		8260B	Total/NA
Chlorobenzene	1700		200	24	ug/L	200		8260B	Total/NA
Chloroform	130	J	200	26	ug/L	200		8260B	Total/NA
1,1-Dichloroethane	3700		200	22	ug/L	200		8260B	Total/NA
1,1-Dichloroethene	4200		200	38	ug/L	200		8260B	Total/NA
trans-1,2-Dichloroethene	8300		200	18	ug/L	200		8260B	Total/NA
Ethylbenzene	1200		200	22	ug/L	200		8260B	Total/NA
Tetrachloroethene	300		200	26	ug/L	200		8260B	Total/NA
Toluene	390		200	30	ug/L	200		8260B	Total/NA
Trichloroethene	1300		200	36	ug/L	200		8260B	Total/NA
o-Xylene	43	J	200	24	ug/L	200		8260B	Total/NA
m-Xylene & p-Xylene	53	J	200	34	ug/L	200		8260B	Total/NA
Xylenes, Total	96	J	200	52	ug/L	200		8260B	Total/NA
cis-1,2-Dichloroethene	2500		200	12	ug/L	200		8260B	Total/NA
1,2-Dichloroethene, Total	11000		200	60	ug/L	200		8260B	Total/NA
Vinyl chloride - DL	270000		20000	1100	ug/L	10000		8260B	Total/NA

Client Sample ID: MW-71-SS-1 — Lab Sample ID: 600-46717-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	23	J	25	5.0	ug/L	5		8260B	Total/NA
Chlorobenzene	170		5.0	0.60	ug/L	5		8260B	Total/NA
trans-1,2-Dichloroethene	2.4	J	5.0	0.45	ug/L	5		8260B	Total/NA
Ethylbenzene	200		5.0	0.55	ug/L	5		8260B	Total/NA
Toluene	55		5.0	0.75	ug/L	5		8260B	Total/NA
o-Xylene	5.4		5.0	0.60	ug/L	5		8260B	Total/NA
m-Xylene & p-Xylene	10		5.0	0.85	ug/L	5		8260B	Total/NA
Xylenes, Total	15		5.0	1.3	ug/L	5		8260B	Total/NA
1,2-Dichloroethene, Total	2.4	J	5.0	1.5	ug/L	5		8260B	Total/NA
Benzene - DL	1400		100	8.0	ug/L	100		8260B	Total/NA
1,1-Dichloroethane - DL	580		100	11	ug/L	100		8260B	Total/NA
Vinyl chloride - DL	410		200	11	ug/L	100		8260B	Total/NA

Client Sample ID: MW-8-SS-1 — Lab Sample ID: 600-46717-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	220		5.0	0.40	ug/L	5		8260B	Total/NA
Carbon disulfide	3.8	J	10	1.2	ug/L	5		8260B	Total/NA
Chlorobenzene	16		5.0	0.60	ug/L	5		8260B	Total/NA
1,1-Dichloroethane	130		5.0	0.55	ug/L	5		8260B	Total/NA
1,1-Dichloroethene	35		5.0	0.95	ug/L	5		8260B	Total/NA
trans-1,2-Dichloroethene	150		5.0	0.45	ug/L	5		8260B	Total/NA
Ethylbenzene	140		5.0	0.55	ug/L	5		8260B	Total/NA
Styrene	0.65	J	5.0	0.35	ug/L	5		8260B	Total/NA
Tetrachloroethene	1.1	J	5.0	0.65	ug/L	5		8260B	Total/NA
Toluene	30		5.0	0.75	ug/L	5		8260B	Total/NA
1,1,2-Trichloroethane	3.9	J	5.0	1.4	ug/L	5		8260B	Total/NA
Trichloroethene	2.5	J	5.0	0.90	ug/L	5		8260B	Total/NA
o-Xylene	2.9	J	5.0	0.60	ug/L	5		8260B	Total/NA
m-Xylene & p-Xylene	3.8	J	5.0	0.85	ug/L	5		8260B	Total/NA
Xylenes, Total	6.7		5.0	1.3	ug/L	5		8260B	Total/NA
cis-1,2-Dichloroethene	34		5.0	0.30	ug/L	5		8260B	Total/NA
1,2-Dichloroethene, Total	180		5.0	1.5	ug/L	5		8260B	Total/NA
Vinyl chloride - DL	4900		200	11	ug/L	100		8260B	Total/NA

Detection Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-46717-1

Client Sample ID: MW-11-SS-1 — Lab Sample ID: 600-46717-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	11	J	25	5.0	ug/L	5		8260B	Total/NA
Benzene	79		5.0	0.40	ug/L	5		8260B	Total/NA
Carbon disulfide	1.3	J	10	1.2	ug/L	5		8260B	Total/NA
Chlorobenzene	160		5.0	0.60	ug/L	5		8260B	Total/NA
1,2-Dichloroethane	240		5.0	0.70	ug/L	5		8260B	Total/NA
1,1-Dichloroethene	66		5.0	0.95	ug/L	5		8260B	Total/NA
Ethylbenzene	12		5.0	0.55	ug/L	5		8260B	Total/NA
Tetrachloroethene	1.2	J	5.0	0.65	ug/L	5		8260B	Total/NA
Toluene	6.3		5.0	0.75	ug/L	5		8260B	Total/NA
Trichloroethene	110		5.0	0.90	ug/L	5		8260B	Total/NA
1,1-Dichloroethane - DL	630		200	22	ug/L	200		8260B	Total/NA
trans-1,2-Dichloroethene - DL	450		200	18	ug/L	200		8260B	Total/NA
Vinyl chloride - DL	5300		400	22	ug/L	200		8260B	Total/NA
cis-1,2-Dichloroethene - DL	720		200	12	ug/L	200		8260B	Total/NA
1,2-Dichloroethene, Total - DL	1200		200	60	ug/L	200		8260B	Total/NA

Client Sample ID: MW-40-SS-1 — Lab Sample ID: 600-46717-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.9		5.0	0.99	ug/L	1		8260B	Total/NA
Benzene	32		1.0	0.080	ug/L	1		8260B	Total/NA
Carbon disulfide	0.41	J	2.0	0.24	ug/L	1		8260B	Total/NA
Chloroethane	1.2	J	2.0	0.080	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	0.31	J	1.0	0.19	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	2.5		1.0	0.090	ug/L	1		8260B	Total/NA
Ethylbenzene	4.7		1.0	0.11	ug/L	1		8260B	Total/NA
4-Methyl-2-pentanone (MIBK)	0.89	J	2.0	0.45	ug/L	1		8260B	Total/NA
Styrene	0.44	J	1.0	0.070	ug/L	1		8260B	Total/NA
Toluene	4.3		1.0	0.15	ug/L	1		8260B	Total/NA
Trichloroethene	1.4		1.0	0.18	ug/L	1		8260B	Total/NA
o-Xylene	0.22	J	1.0	0.12	ug/L	1		8260B	Total/NA
m-Xylene & p-Xylene	0.24	J	1.0	0.17	ug/L	1		8260B	Total/NA
Xylenes, Total	0.46	J	1.0	0.26	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	2.5		1.0	0.30	ug/L	1		8260B	Total/NA
Chlorobenzene - DL	93		10	1.2	ug/L	10		8260B	Total/NA
1,1-Dichloroethane - DL	170		10	1.1	ug/L	10		8260B	Total/NA
Vinyl chloride - DL	79		20	1.1	ug/L	10		8260B	Total/NA

Client Sample ID: MW-68-SS-1 — Lab Sample ID: 600-46717-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	77		5.0	0.40	ug/L	5		8260B	Total/NA
Chlorobenzene	51		5.0	0.60	ug/L	5		8260B	Total/NA
Chloroethane	4.0	J	10	0.40	ug/L	5		8260B	Total/NA
1,1-Dichloroethane	140		5.0	0.55	ug/L	5		8260B	Total/NA
1,1-Dichloroethene	2.0	J	5.0	0.95	ug/L	5		8260B	Total/NA
trans-1,2-Dichloroethene	220		5.0	0.45	ug/L	5		8260B	Total/NA
Ethylbenzene	190		5.0	0.55	ug/L	5		8260B	Total/NA
2-Hexanone	12		10	1.8	ug/L	5		8260B	Total/NA
Styrene	0.43	J	5.0	0.35	ug/L	5		8260B	Total/NA
Toluene	31		5.0	0.75	ug/L	5		8260B	Total/NA
o-Xylene	1.1	J	5.0	0.60	ug/L	5		8260B	Total/NA
m-Xylene & p-Xylene	1.5	J	5.0	0.85	ug/L	5		8260B	Total/NA
Xylenes, Total	2.6	J	5.0	1.3	ug/L	5		8260B	Total/NA

Client Sample ID: MW-68-SS-1 (Continued) — Lab Sample ID: 600-46717-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	7.5		5.0	0.30	ug/L	5		8260B	Total/NA
1,2-Dichloroethene, Total	230		5.0	1.5	ug/L	5		8260B	Total/NA
Vinyl chloride - DL	3600		400	22	ug/L	200		8260B	Total/NA

Client Sample ID: MW-66-SS-1 — Lab Sample ID: 600-46717-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	400	J	500	99	ug/L	100		8260B	Total/NA
Benzene	4700		100	8.0	ug/L	100		8260B	Total/NA
Chlorobenzene	1000		100	12	ug/L	100		8260B	Total/NA
Chloroform	20	J	100	13	ug/L	100		8260B	Total/NA
1,1-Dichloroethane	3500		100	11	ug/L	100		8260B	Total/NA
1,1-Dichloroethene	1600		100	19	ug/L	100		8260B	Total/NA
trans-1,2-Dichloroethene	3100		100	9.0	ug/L	100		8260B	Total/NA
Ethylbenzene	2800		100	11	ug/L	100		8260B	Total/NA
Methylene Chloride	180	J	500	15	ug/L	100		8260B	Total/NA
Styrene	550		100	7.0	ug/L	100		8260B	Total/NA
Tetrachloroethene	87	J	100	13	ug/L	100		8260B	Total/NA
Toluene	1500		100	15	ug/L	100		8260B	Total/NA
Trichloroethene	970		100	18	ug/L	100		8260B	Total/NA
o-Xylene	15	J	100	12	ug/L	100		8260B	Total/NA
m-Xylene & p-Xylene	21	J	100	17	ug/L	100		8260B	Total/NA
Xylenes, Total	36	J	100	26	ug/L	100		8260B	Total/NA
cis-1,2-Dichloroethene	1500		100	6.0	ug/L	100		8260B	Total/NA
1,2-Dichloroethene, Total	4600		100	30	ug/L	100		8260B	Total/NA
1,2-Dichloroethane - DL	130000		10000	1400	ug/L	10000		8260B	Total/NA
1,1,2-Trichloroethane - DL	50000		10000	2800	ug/L	10000		8260B	Total/NA
Vinyl chloride - DL	82000		20000	1100	ug/L	10000		8260B	Total/NA

Client Sample ID: MW-4-SS-1 — Lab Sample ID: 600-46717-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	4400		200	16	ug/L	200		8260B	Total/NA
Chlorobenzene	1100		200	24	ug/L	200		8260B	Total/NA
1,1-Dichloroethane	4900		200	22	ug/L	200		8260B	Total/NA
1,1-Dichloroethene	5600		200	38	ug/L	200		8260B	Total/NA
trans-1,2-Dichloroethene	7300		200	18	ug/L	200		8260B	Total/NA
Ethylbenzene	770		200	22	ug/L	200		8260B	Total/NA
Tetrachloroethene	430		200	26	ug/L	200		8260B	Total/NA
Toluene	240		200	30	ug/L	200		8260B	Total/NA
Trichloroethene	1700		200	36	ug/L	200		8260B	Total/NA
o-Xylene	25	J	200	24	ug/L	200		8260B	Total/NA
m-Xylene & p-Xylene	39	J	200	34	ug/L	200		8260B	Total/NA
Xylenes, Total	64	J	200	52	ug/L	200		8260B	Total/NA
cis-1,2-Dichloroethene	4200		200	12	ug/L	200		8260B	Total/NA
1,2-Dichloroethene, Total	12000		200	60	ug/L	200		8260B	Total/NA
1,2-Dichloroethane - DL	74000		10000	1400	ug/L	10000		8260B	Total/NA
Vinyl chloride - DL	170000		20000	1100	ug/L	10000		8260B	Total/NA

Client Sample Results

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-46717-1

Client Sample ID: MW-6-SS-1

Date Collected: 11/30/11 09:50
Date Received: 11/30/11 14:04

Lab Sample ID: 600-46717-1

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	200	U	1000	200	ug/L			12/07/11 23:53	200
Benzene	**5000**		200	16	ug/L			12/07/11 23:53	200
Chlorobromomethane	36	U	200	36	ug/L			12/07/11 23:53	200
Bromoform	38	U	200	38	ug/L			12/07/11 23:53	200
Bromomethane	50	U	400	50	ug/L			12/07/11 23:53	200
2-Butanone (MEK)	150	U	400	150	ug/L			12/07/11 23:53	200
Carbon disulfide	48	U	400	48	ug/L			12/07/11 23:53	200
Carbon tetrachloride	30	U	200	30	ug/L			12/07/11 23:53	200
Dibromochloromethane	30	U	200	30	ug/L			12/07/11 23:53	200
Chlorobenzene	**1700**		200	24	ug/L			12/07/11 23:53	200
Chloroethane	16	U	400	16	ug/L			12/07/11 23:53	200
Chloroform	**130**	**J**	200	26	ug/L			12/07/11 23:53	200
Chloromethane	36	U	400	36	ug/L			12/07/11 23:53	200
1,1-Dichloroethane	**3700**		200	22	ug/L			12/07/11 23:53	200
1,2-Dichloroethane	28	U	200	28	ug/L			12/07/11 23:53	200
1,1-Dichloroethene	**4200**		200	38	ug/L			12/07/11 23:53	200
trans-1,2-Dichloroethene	**8300**		200	18	ug/L			12/07/11 23:53	200
1,2-Dichloropropane	32	U	200	32	ug/L			12/07/11 23:53	200
cis-1,3-Dichloropropene	36	U	200	36	ug/L			12/07/11 23:53	200
trans-1,3-Dichloropropene	42	U	200	42	ug/L			12/07/11 23:53	200
Ethylbenzene	**1200**		200	22	ug/L			12/07/11 23:53	200
2-Hexanone	70	U	400	70	ug/L			12/07/11 23:53	200
Methylene Chloride	30	U	1000	30	ug/L			12/07/11 23:53	200
4-Methyl-2-pentanone (MIBK)	90	U	400	90	ug/L			12/07/11 23:53	200
Styrene	14	U	200	14	ug/L			12/07/11 23:53	200
1,1,2,2-Tetrachloroethane	44	U	200	44	ug/L			12/07/11 23:53	200
Tetrachloroethene	**300**		200	26	ug/L			12/07/11 23:53	200
Toluene	**390**		200	30	ug/L			12/07/11 23:53	200
1,1,1-Trichloroethane	30	U	200	30	ug/L			12/07/11 23:53	200
1,1,2-Trichloroethane	56	U	200	56	ug/L			12/07/11 23:53	200
Trichloroethene	**1300**		200	36	ug/L			12/07/11 23:53	200
Vinyl acetate	42	U	400	42	ug/L			12/07/11 23:53	200
o-Xylene	**43**	**J**	200	24	ug/L			12/07/11 23:53	200
m-Xylene & p-Xylene	**53**	**J**	200	34	ug/L			12/07/11 23:53	200
Xylenes, Total	**96**	**J**	200	52	ug/L			12/07/11 23:53	200
cis-1,2-Dichloroethene	**2500**		200	12	ug/L			12/07/11 23:53	200
Bromodichloromethane	32	U	200	32	ug/L			12/07/11 23:53	200
1,2-Dichloroethene, Total	**11000**		200	60	ug/L			12/07/11 23:53	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*70 - 130*		*12/07/11 23:53*	*200*
Dibromofluoromethane	*91*		*62 - 130*		*12/07/11 23:53*	*200*
4-Bromofluorobenzene	*96*		*67 - 139*		*12/07/11 23:53*	*200*
1,2-Dichloroethane-d4 (Surr)	*83*		*50 - 134*		*12/07/11 23:53*	*200*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**270000**		20000	1100	ug/L			12/08/11 00:20	10000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*70 - 130*		*12/08/11 00:20*	*10000*

Client Sample ID: MW-6-SS-1

Lab Sample ID: 600-46717-1

Date Collected: 11/30/11 09:50
Date Received: 11/30/11 14:04

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	89		62 - 130		12/08/11 00:20	10000
4-Bromofluorobenzene	93		67 - 139		12/08/11 00:20	10000
1,2-Dichloroethane-d4 (Surr)	79		50 - 134		12/08/11 00:20	10000

Client Sample ID: MW-71-SS-1

Lab Sample ID: 600-46717-2

Date Collected: 11/30/11 10:20
Date Received: 11/30/11 14:04

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**23**	**J**	25	5.0	ug/L			12/07/11 22:07	5
Chlorobromomethane	0.90	U	5.0	0.90	ug/L			12/07/11 22:07	5
Bromoform	0.95	U	5.0	0.95	ug/L			12/07/11 22:07	5
Bromomethane	1.3	U	10	1.3	ug/L			12/07/11 22:07	5
2-Butanone (MEK)	3.8	U	10	3.8	ug/L			12/07/11 22:07	5
Carbon disulfide	1.2	U	10	1.2	ug/L			12/07/11 22:07	5
Carbon tetrachloride	0.75	U	5.0	0.75	ug/L			12/07/11 22:07	5
Dibromochloromethane	0.75	U	5.0	0.75	ug/L			12/07/11 22:07	5
Chlorobenzene	**170**		5.0	0.60	ug/L			12/07/11 22:07	5
Chloroethane	0.40	U	10	0.40	ug/L			12/07/11 22:07	5
Chloroform	0.65	U	5.0	0.65	ug/L			12/07/11 22:07	5
Chloromethane	0.90	U	10	0.90	ug/L			12/07/11 22:07	5
1,2-Dichloroethane	0.70	U	5.0	0.70	ug/L			12/07/11 22:07	5
1,1-Dichloroethene	0.95	U	5.0	0.95	ug/L			12/07/11 22:07	5
trans-1,2-Dichloroethene	**2.4**	**J**	5.0	0.45	ug/L			12/07/11 22:07	5
1,2-Dichloropropane	0.80	U	5.0	0.80	ug/L			12/07/11 22:07	5
cis-1,3-Dichloropropene	0.90	U	5.0	0.90	ug/L			12/07/11 22:07	5
trans-1,3-Dichloropropene	1.1	U	5.0	1.1	ug/L			12/07/11 22:07	5
Ethylbenzene	**200**		5.0	0.55	ug/L			12/07/11 22:07	5
2-Hexanone	1.8	U	10	1.8	ug/L			12/07/11 22:07	5
Methylene Chloride	0.75	U	25	0.75	ug/L			12/07/11 22:07	5
4-Methyl-2-pentanone (MIBK)	2.3	U	10	2.3	ug/L			12/07/11 22:07	5
Styrene	0.35	U	5.0	0.35	ug/L			12/07/11 22:07	5
1,1,2,2-Tetrachloroethane	1.1	U	5.0	1.1	ug/L			12/07/11 22:07	5
Tetrachloroethene	0.65	U	5.0	0.65	ug/L			12/07/11 22:07	5
Toluene	**55**		5.0	0.75	ug/L			12/07/11 22:07	5
1,1,1-Trichloroethane	0.75	U	5.0	0.75	ug/L			12/07/11 22:07	5
1,1,2-Trichloroethane	1.4	U	5.0	1.4	ug/L			12/07/11 22:07	5
Trichloroethene	0.90	U	5.0	0.90	ug/L			12/07/11 22:07	5
Vinyl acetate	1.1	U	10	1.1	ug/L			12/07/11 22:07	5
o-Xylene	**5.4**		5.0	0.60	ug/L			12/07/11 22:07	5
m-Xylene & p-Xylene	**10**		5.0	0.85	ug/L			12/07/11 22:07	5
Xylenes, Total	**15**		5.0	1.3	ug/L			12/07/11 22:07	5
cis-1,2-Dichloroethene	0.30	U	5.0	0.30	ug/L			12/07/11 22:07	5
Bromodichloromethane	0.80	U	5.0	0.80	ug/L			12/07/11 22:07	5
1,2-Dichloroethene, Total	**2.4**	**J**	5.0	1.5	ug/L			12/07/11 22:07	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		70 - 130		12/07/11 22:07	5

Client Sample ID: MW-71-SS-1

Lab Sample ID: 600-46717-2

Date Collected: 11/30/11 10:20

Matrix: Water

Date Received: 11/30/11 14:04

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*91*		*62 - 130*		*12/07/11 22:07*	*5*
4-Bromofluorobenzene	*97*		*67 - 139*		*12/07/11 22:07*	*5*
1,2-Dichloroethane-d4 (Surr)	*92*		*50 - 134*		*12/07/11 22:07*	*5*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1400**		100	8.0	ug/L			12/07/11 22:33	100
1,1-Dichloroethane	**580**		100	11	ug/L			12/07/11 22:33	100
Vinyl chloride	**410**		200	11	ug/L			12/07/11 22:33	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*70 - 130*		*12/07/11 22:33*	*100*
Dibromofluoromethane	*87*		*62 - 130*		*12/07/11 22:33*	*100*
4-Bromofluorobenzene	*95*		*67 - 139*		*12/07/11 22:33*	*100*
1,2-Dichloroethane-d4 (Surr)	*81*		*50 - 134*		*12/07/11 22:33*	*100*

Client Sample ID: MW-8-SS-1

Lab Sample ID: 600-46717-3

Date Collected: 11/30/11 10:45

Matrix: Water

Date Received: 11/30/11 14:04

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.0	U	25	5.0	ug/L			12/07/11 23:00	5
Benzene	**220**		5.0	0.40	ug/L			12/07/11 23:00	5
Chlorobromomethane	0.90	U	5.0	0.90	ug/L			12/07/11 23:00	5
Bromoform	0.95	U	5.0	0.95	ug/L			12/07/11 23:00	5
Bromomethane	1.3	U	10	1.3	ug/L			12/07/11 23:00	5
2-Butanone (MEK)	3.8	U	10	3.8	ug/L			12/07/11 23:00	5
Carbon disulfide	**3.8**	**J**	10	1.2	ug/L			12/07/11 23:00	5
Carbon tetrachloride	0.75	U	5.0	0.75	ug/L			12/07/11 23:00	5
Dibromochloromethane	0.75	U	5.0	0.75	ug/L			12/07/11 23:00	5
Chlorobenzene	**16**		5.0	0.60	ug/L			12/07/11 23:00	5
Chloroethane	0.40	U	10	0.40	ug/L			12/07/11 23:00	5
Chloroform	0.65	U	5.0	0.65	ug/L			12/07/11 23:00	5
Chloromethane	0.90	U	10	0.90	ug/L			12/07/11 23:00	5
1,1-Dichloroethane	**130**		5.0	0.55	ug/L			12/07/11 23:00	5
1,2-Dichloroethane	0.70	U	5.0	0.70	ug/L			12/07/11 23:00	5
1,1-Dichloroethene	**35**		5.0	0.95	ug/L			12/07/11 23:00	5
trans-1,2-Dichloroethene	**150**		5.0	0.45	ug/L			12/07/11 23:00	5
1,2-Dichloropropane	0.80	U	5.0	0.80	ug/L			12/07/11 23:00	5
cis-1,3-Dichloropropene	0.90	U	5.0	0.90	ug/L			12/07/11 23:00	5
trans-1,3-Dichloropropene	1.1	U	5.0	1.1	ug/L			12/07/11 23:00	5
Ethylbenzene	**140**		5.0	0.55	ug/L			12/07/11 23:00	5
2-Hexanone	1.8	U	10	1.8	ug/L			12/07/11 23:00	5
Methylene Chloride	0.75	U	25	0.75	ug/L			12/07/11 23:00	5
4-Methyl-2-pentanone (MIBK)	2.3	U	10	2.3	ug/L			12/07/11 23:00	5
Styrene	**0.65**	**J**	5.0	0.35	ug/L			12/07/11 23:00	5
1,1,2,2-Tetrachloroethane	1.1	U	5.0	1.1	ug/L			12/07/11 23:00	5
Tetrachloroethene	**1.1**	**J**	5.0	0.65	ug/L			12/07/11 23:00	5

Client Sample ID: MW-8-SS-1

Lab Sample ID: 600-46717-3

Date Collected: 11/30/11 10:45
Date Received: 11/30/11 14:04

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	**30**		5.0	0.75	ug/L			12/07/11 23:00	5
1,1,1-Trichloroethane	0.75	U	5.0	0.75	ug/L			12/07/11 23:00	5
1,1,2-Trichloroethane	**3.9**	**J**	5.0	1.4	ug/L			12/07/11 23:00	5
Trichloroethene	**2.5**	**J**	5.0	0.90	ug/L			12/07/11 23:00	5
Vinyl acetate	1.1	U	10	1.1	ug/L			12/07/11 23:00	5
o-Xylene	**2.9**	**J**	5.0	0.60	ug/L			12/07/11 23:00	5
m-Xylene & p-Xylene	**3.8**	**J**	5.0	0.85	ug/L			12/07/11 23:00	5
Xylenes, Total	**6.7**		5.0	1.3	ug/L			12/07/11 23:00	5
cis-1,2-Dichloroethene	**34**		5.0	0.30	ug/L			12/07/11 23:00	5
Bromodichloromethane	0.80	U	5.0	0.80	ug/L			12/07/11 23:00	5
1,2-Dichloroethene, Total	**180**		5.0	1.5	ug/L			12/07/11 23:00	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*70 - 130*		*12/07/11 23:00*	*5*
Dibromofluoromethane	*86*		*62 - 130*		*12/07/11 23:00*	*5*
4-Bromofluorobenzene	*96*		*67 - 139*		*12/07/11 23:00*	*5*
1,2-Dichloroethane-d4 (Surr)	*86*		*50 - 134*		*12/07/11 23:00*	*5*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**4900**		200	11	ug/L			12/07/11 23:27	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*70 - 130*		*12/07/11 23:27*	*100*
Dibromofluoromethane	*88*		*62 - 130*		*12/07/11 23:27*	*100*
4-Bromofluorobenzene	*96*		*67 - 139*		*12/07/11 23:27*	*100*
1,2-Dichloroethane-d4 (Surr)	*75*		*50 - 134*		*12/07/11 23:27*	*100*

Client Sample ID: MW-11-SS-1

Lab Sample ID: 600-46717-4

Date Collected: 11/30/11 11:05
Date Received: 11/30/11 14:04

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**11**	**J**	25	5.0	ug/L			12/12/11 17:39	5
Benzene	**79**		5.0	0.40	ug/L			12/12/11 17:39	5
Chlorobromomethane	0.90	U	5.0	0.90	ug/L			12/12/11 17:39	5
Bromoform	0.95	U	5.0	0.95	ug/L			12/12/11 17:39	5
Bromomethane	1.3	U	10	1.3	ug/L			12/12/11 17:39	5
2-Butanone (MEK)	3.8	U	10	3.8	ug/L			12/12/11 17:39	5
Carbon disulfide	**1.3**	**J**	10	1.2	ug/L			12/12/11 17:39	5
Carbon tetrachloride	0.75	U	5.0	0.75	ug/L			12/12/11 17:39	5
Dibromochloromethane	0.75	U	5.0	0.75	ug/L			12/12/11 17:39	5
Chlorobenzene	**160**		5.0	0.60	ug/L			12/12/11 17:39	5
Chloroethane	0.40	U	10	0.40	ug/L			12/12/11 17:39	5
Chloroform	0.65	U	5.0	0.65	ug/L			12/12/11 17:39	5
Chloromethane	0.90	U	10	0.90	ug/L			12/12/11 17:39	5
1,2-Dichloroethane	**240**		5.0	0.70	ug/L			12/12/11 17:39	5
1,1-Dichloroethene	**66**		5.0	0.95	ug/L			12/12/11 17:39	5
1,2-Dichloropropane	0.80	U	5.0	0.80	ug/L			12/12/11 17:39	5

Client Sample ID: MW-11-SS-1

Lab Sample ID: 600-46717-4

Date Collected: 11/30/11 11:05
Date Received: 11/30/11 14:04

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	0.90	U	5.0	0.90	ug/L			12/12/11 17:39	5
trans-1,3-Dichloropropene	1.1	U	5.0	1.1	ug/L			12/12/11 17:39	5
Ethylbenzene	**12**		5.0	0.55	ug/L			12/12/11 17:39	5
2-Hexanone	1.8	U	10	1.8	ug/L			12/12/11 17:39	5
Methylene Chloride	0.75	U	25	0.75	ug/L			12/12/11 17:39	5
4-Methyl-2-pentanone (MIBK)	2.3	U	10	2.3	ug/L			12/12/11 17:39	5
Styrene	0.35	U	5.0	0.35	ug/L			12/12/11 17:39	5
1,1,2,2-Tetrachloroethane	1.1	U	5.0	1.1	ug/L			12/12/11 17:39	5
Tetrachloroethene	**1.2**	**J**	5.0	0.65	ug/L			12/12/11 17:39	5
Toluene	**6.3**		5.0	0.75	ug/L			12/12/11 17:39	5
1,1,1-Trichloroethane	0.75	U	5.0	0.75	ug/L			12/12/11 17:39	5
1,1,2-Trichloroethane	1.4	U	5.0	1.4	ug/L			12/12/11 17:39	5
Trichloroethene	**110**		5.0	0.90	ug/L			12/12/11 17:39	5
Vinyl acetate	1.1	U	10	1.1	ug/L			12/12/11 17:39	5
o-Xylene	0.60	U	5.0	0.60	ug/L			12/12/11 17:39	5
m-Xylene & p-Xylene	0.85	U	5.0	0.85	ug/L			12/12/11 17:39	5
Xylenes, Total	1.3	U	5.0	1.3	ug/L			12/12/11 17:39	5
Bromodichloromethane	0.80	U	5.0	0.80	ug/L			12/12/11 17:39	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*89*		*70 - 130*		*12/12/11 17:39*	*5*
Dibromofluoromethane	*78*		*62 - 130*		*12/12/11 17:39*	*5*
4-Bromofluorobenzene	*76*		*67 - 139*		*12/12/11 17:39*	*5*
1,2-Dichloroethane-d4 (Surr)	*82*		*50 - 134*		*12/12/11 17:39*	*5*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	**630**		200	22	ug/L			12/12/11 18:07	200
trans-1,2-Dichloroethene	**450**		200	18	ug/L			12/12/11 18:07	200
Vinyl chloride	**5300**		400	22	ug/L			12/12/11 18:07	200
cis-1,2-Dichloroethene	**720**		200	12	ug/L			12/12/11 18:07	200
1,2-Dichloroethene, Total	**1200**		200	60	ug/L			12/12/11 18:07	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*86*		*70 - 130*		*12/12/11 18:07*	*200*
Dibromofluoromethane	*72*		*62 - 130*		*12/12/11 18:07*	*200*
4-Bromofluorobenzene	*75*		*67 - 139*		*12/12/11 18:07*	*200*
1,2-Dichloroethane-d4 (Surr)	*72*		*50 - 134*		*12/12/11 18:07*	*200*

Client Sample ID: MW-40-SS-1

Lab Sample ID: 600-46717-5

Date Collected: 11/30/11 11:20
Date Received: 11/30/11 14:04

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**5.9**		5.0	0.99	ug/L			12/12/11 18:36	1
Benzene	**32**		1.0	0.080	ug/L			12/12/11 18:36	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			12/12/11 18:36	1
Bromoform	0.19	U	1.0	0.19	ug/L			12/12/11 18:36	1
Bromomethane	0.25	U	2.0	0.25	ug/L			12/12/11 18:36	1

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-46717-1

Client Sample ID: MW-40-SS-1
Date Collected: 11/30/11 11:20
Date Received: 11/30/11 14:04

Lab Sample ID: 600-46717-5
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			12/12/11 18:36	1
Carbon disulfide	**0.41**	**J**	2.0	0.24	ug/L			12/12/11 18:36	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			12/12/11 18:36	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			12/12/11 18:36	1
Chloroethane	**1.2**	**J**	2.0	0.080	ug/L			12/12/11 18:36	1
Chloroform	0.13	U	1.0	0.13	ug/L			12/12/11 18:36	1
Chloromethane	0.18	U	2.0	0.18	ug/L			12/12/11 18:36	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			12/12/11 18:36	1
1,1-Dichloroethene	**0.31**	**J**	1.0	0.19	ug/L			12/12/11 18:36	1
trans-1,2-Dichloroethene	**2.5**		1.0	0.090	ug/L			12/12/11 18:36	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			12/12/11 18:36	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			12/12/11 18:36	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			12/12/11 18:36	1
Ethylbenzene	**4.7**		1.0	0.11	ug/L			12/12/11 18:36	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			12/12/11 18:36	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			12/12/11 18:36	1
4-Methyl-2-pentanone (MIBK)	**0.89**	**J**	2.0	0.45	ug/L			12/12/11 18:36	1
Styrene	**0.44**	**J**	1.0	0.070	ug/L			12/12/11 18:36	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			12/12/11 18:36	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			12/12/11 18:36	1
Toluene	**4.3**		1.0	0.15	ug/L			12/12/11 18:36	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			12/12/11 18:36	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			12/12/11 18:36	1
Trichloroethene	**1.4**		1.0	0.18	ug/L			12/12/11 18:36	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			12/12/11 18:36	1
o-Xylene	**0.22**	**J**	1.0	0.12	ug/L			12/12/11 18:36	1
m-Xylene & p-Xylene	**0.24**	**J**	1.0	0.17	ug/L			12/12/11 18:36	1
Xylenes, Total	**0.46**	**J**	1.0	0.26	ug/L			12/12/11 18:36	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			12/12/11 18:36	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			12/12/11 18:36	1
1,2-Dichloroethene, Total	**2.5**		1.0	0.30	ug/L			12/12/11 18:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*86*		*70 - 130*		*12/12/11 18:36*	*1*
Dibromofluoromethane	*77*		*62 - 130*		*12/12/11 18:36*	*1*
4-Bromofluorobenzene	*74*		*67 - 139*		*12/12/11 18:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*86*		*50 - 134*		*12/12/11 18:36*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	**93**		10	1.2	ug/L			12/13/11 12:38	10
1,1-Dichloroethane	**170**		10	1.1	ug/L			12/13/11 12:38	10
Vinyl chloride	**79**		20	1.1	ug/L			12/13/11 12:38	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*91*		*70 - 130*		*12/13/11 12:38*	*10*
Dibromofluoromethane	*77*		*62 - 130*		*12/13/11 12:38*	*10*
4-Bromofluorobenzene	*81*		*67 - 139*		*12/13/11 12:38*	*10*
1,2-Dichloroethane-d4 (Surr)	*77*		*50 - 134*		*12/13/11 12:38*	*10*

Client Sample Results

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-46717-1

Client Sample ID: MW-68-SS-1

Date Collected: 11/30/11 11:40
Date Received: 11/30/11 14:04

Lab Sample ID: 600-46717-6

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.0	U	25	5.0	ug/L			12/12/11 19:04	5
Benzene	**77**		5.0	0.40	ug/L			12/12/11 19:04	5
Chlorobromomethane	0.90	U	5.0	0.90	ug/L			12/12/11 19:04	5
Bromoform	0.95	U	5.0	0.95	ug/L			12/12/11 19:04	5
Bromomethane	1.3	U	10	1.3	ug/L			12/12/11 19:04	5
2-Butanone (MEK)	3.8	U	10	3.8	ug/L			12/12/11 19:04	5
Carbon disulfide	1.2	U	10	1.2	ug/L			12/12/11 19:04	5
Carbon tetrachloride	0.75	U	5.0	0.75	ug/L			12/12/11 19:04	5
Dibromochloromethane	0.75	U	5.0	0.75	ug/L			12/12/11 19:04	5
Chlorobenzene	**51**		5.0	0.60	ug/L			12/12/11 19:04	5
Chloroethane	**4.0**	**J**	10	0.40	ug/L			12/12/11 19:04	5
Chloroform	0.65	U	5.0	0.65	ug/L			12/12/11 19:04	5
Chloromethane	0.90	U	10	0.90	ug/L			12/12/11 19:04	5
1,1-Dichloroethane	**140**		5.0	0.55	ug/L			12/12/11 19:04	5
1,2-Dichloroethane	0.70	U	5.0	0.70	ug/L			12/12/11 19:04	5
1,1-Dichloroethene	**2.0**	**J**	5.0	0.95	ug/L			12/12/11 19:04	5
trans-1,2-Dichloroethene	**220**		5.0	0.45	ug/L			12/12/11 19:04	5
1,2-Dichloropropane	0.80	U	5.0	0.80	ug/L			12/12/11 19:04	5
cis-1,3-Dichloropropene	0.90	U	5.0	0.90	ug/L			12/12/11 19:04	5
trans-1,3-Dichloropropene	1.1	U	5.0	1.1	ug/L			12/12/11 19:04	5
Ethylbenzene	**190**		5.0	0.55	ug/L			12/12/11 19:04	5
2-Hexanone	**12**		10	1.8	ug/L			12/12/11 19:04	5
Methylene Chloride	0.75	U	25	0.75	ug/L			12/12/11 19:04	5
4-Methyl-2-pentanone (MIBK)	2.3	U	10	2.3	ug/L			12/12/11 19:04	5
Styrene	**0.43**	**J**	5.0	0.35	ug/L			12/12/11 19:04	5
1,1,2,2-Tetrachloroethane	1.1	U	5.0	1.1	ug/L			12/12/11 19:04	5
Tetrachloroethene	0.65	U	5.0	0.65	ug/L			12/12/11 19:04	5
Toluene	**31**		5.0	0.75	ug/L			12/12/11 19:04	5
1,1,1-Trichloroethane	0.75	U	5.0	0.75	ug/L			12/12/11 19:04	5
1,1,2-Trichloroethane	1.4	U	5.0	1.4	ug/L			12/12/11 19:04	5
Trichloroethene	0.90	U	5.0	0.90	ug/L			12/12/11 19:04	5
Vinyl acetate	1.1	U	10	1.1	ug/L			12/12/11 19:04	5
o-Xylene	**1.1**	**J**	5.0	0.60	ug/L			12/12/11 19:04	5
m-Xylene & p-Xylene	**1.5**	**J**	5.0	0.85	ug/L			12/12/11 19:04	5
Xylenes, Total	**2.6**	**J**	5.0	1.3	ug/L			12/12/11 19:04	5
cis-1,2-Dichloroethene	**7.5**		5.0	0.30	ug/L			12/12/11 19:04	5
Bromodichloromethane	0.80	U	5.0	0.80	ug/L			12/12/11 19:04	5
1,2-Dichloroethene, Total	**230**		5.0	1.5	ug/L			12/12/11 19:04	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*85*		*70 - 130*		*12/12/11 19:04*	*5*
Dibromofluoromethane	*74*		*62 - 130*		*12/12/11 19:04*	*5*
4-Bromofluorobenzene	*76*		*67 - 139*		*12/12/11 19:04*	*5*
1,2-Dichloroethane-d4 (Surr)	*73*		*50 - 134*		*12/12/11 19:04*	*5*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**3600**		400	22	ug/L			12/12/11 19:32	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*86*		*70 - 130*		*12/12/11 19:32*	*200*

Client Sample ID: MW-68-SS-1

Lab Sample ID: 600-46717-6

Date Collected: 11/30/11 11:40
Matrix: Water
Date Received: 11/30/11 14:04

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	*72*		*62 - 130*		*12/12/11 19:32*	*200*
4-Bromofluorobenzene	*78*		*67 - 139*		*12/12/11 19:32*	*200*
1,2-Dichloroethane-d4 (Surr)	*70*		*50 - 134*		*12/12/11 19:32*	*200*

Client Sample ID: MW-66-SS-1

Lab Sample ID: 600-46717-7

Date Collected: 11/30/11 12:00
Matrix: Water
Date Received: 11/30/11 14:04

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**400**	**J**	500	99	ug/L			12/12/11 20:01	100
Benzene	**4700**		100	8.0	ug/L			12/12/11 20:01	100
Chlorobromomethane	18	U	100	18	ug/L			12/12/11 20:01	100
Bromoform	19	U	100	19	ug/L			12/12/11 20:01	100
Bromomethane	25	U	200	25	ug/L			12/12/11 20:01	100
2-Butanone (MEK)	76	U	200	76	ug/L			12/12/11 20:01	100
Carbon disulfide	24	U	200	24	ug/L			12/12/11 20:01	100
Carbon tetrachloride	15	U	100	15	ug/L			12/12/11 20:01	100
Dibromochloromethane	15	U	100	15	ug/L			12/12/11 20:01	100
Chlorobenzene	**1000**		100	12	ug/L			12/12/11 20:01	100
Chloroethane	8.0	U	200	8.0	ug/L			12/12/11 20:01	100
Chloroform	**20**	**J**	100	13	ug/L			12/12/11 20:01	100
Chloromethane	18	U	200	18	ug/L			12/12/11 20:01	100
1,1-Dichloroethane	**3500**		100	11	ug/L			12/12/11 20:01	100
1,1-Dichloroethene	**1600**		100	19	ug/L			12/12/11 20:01	100
trans-1,2-Dichloroethene	**3100**		100	9.0	ug/L			12/12/11 20:01	100
1,2-Dichloropropane	16	U	100	16	ug/L			12/12/11 20:01	100
cis-1,3-Dichloropropene	18	U	100	18	ug/L			12/12/11 20:01	100
trans-1,3-Dichloropropene	21	U	100	21	ug/L			12/12/11 20:01	100
Ethylbenzene	**2800**		100	11	ug/L			12/12/11 20:01	100
2-Hexanone	35	U	200	35	ug/L			12/12/11 20:01	100
Methylene Chloride	**180**	**J**	500	15	ug/L			12/12/11 20:01	100
4-Methyl-2-pentanone (MIBK)	45	U	200	45	ug/L			12/12/11 20:01	100
Styrene	**550**		100	7.0	ug/L			12/12/11 20:01	100
1,1,2,2-Tetrachloroethane	22	U	100	22	ug/L			12/12/11 20:01	100
Tetrachloroethene	**87**	**J**	100	13	ug/L			12/12/11 20:01	100
Toluene	**1500**		100	15	ug/L			12/12/11 20:01	100
1,1,1-Trichloroethane	15	U	100	15	ug/L			12/12/11 20:01	100
Trichloroethene	**970**		100	18	ug/L			12/12/11 20:01	100
Vinyl acetate	21	U	200	21	ug/L			12/12/11 20:01	100
o-Xylene	**15**	**J**	100	12	ug/L			12/12/11 20:01	100
m-Xylene & p-Xylene	**21**	**J**	100	17	ug/L			12/12/11 20:01	100
Xylenes, Total	**36**	**J**	100	26	ug/L			12/12/11 20:01	100
cis-1,2-Dichloroethene	**1500**		100	6.0	ug/L			12/12/11 20:01	100
Bromodichloromethane	16	U	100	16	ug/L			12/12/11 20:01	100
1,2-Dichloroethene, Total	**4600**		100	30	ug/L			12/12/11 20:01	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*89*		*70 - 130*		*12/12/11 20:01*	*100*

Client Sample ID: MW-66-SS-1

Lab Sample ID: 600-46717-7

Date Collected: 11/30/11 12:00
Date Received: 11/30/11 14:04

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	74		62 - 130		12/12/11 20:01	100
4-Bromofluorobenzene	76		67 - 139		12/12/11 20:01	100
1,2-Dichloroethane-d4 (Surr)	73		50 - 134		12/12/11 20:01	100

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	**130000**		10000	1400	ug/L			12/12/11 20:29	10000
1,1,2-Trichloroethane	**50000**		10000	2800	ug/L			12/12/11 20:29	10000
Vinyl chloride	**82000**		20000	1100	ug/L			12/12/11 20:29	10000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	87		70 - 130		12/12/11 20:29	10000
Dibromofluoromethane	71		62 - 130		12/12/11 20:29	10000
4-Bromofluorobenzene	76		67 - 139		12/12/11 20:29	10000
1,2-Dichloroethane-d4 (Surr)	70		50 - 134		12/12/11 20:29	10000

Client Sample ID: MW-4-SS-1

Lab Sample ID: 600-46717-8

Date Collected: 11/30/11 12:10
Date Received: 11/30/11 14:04

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	200	U	1000	200	ug/L			12/13/11 13:06	200
Benzene	**4400**		200	16	ug/L			12/13/11 13:06	200
Chlorobromomethane	36	U	200	36	ug/L			12/13/11 13:06	200
Bromoform	38	U	200	38	ug/L			12/13/11 13:06	200
Bromomethane	50	U	400	50	ug/L			12/13/11 13:06	200
2-Butanone (MEK)	150	U	400	150	ug/L			12/13/11 13:06	200
Carbon disulfide	48	U	400	48	ug/L			12/13/11 13:06	200
Carbon tetrachloride	30	U	200	30	ug/L			12/13/11 13:06	200
Dibromochloromethane	30	U	200	30	ug/L			12/13/11 13:06	200
Chlorobenzene	**1100**		200	24	ug/L			12/13/11 13:06	200
Chloroethane	16	U	400	16	ug/L			12/13/11 13:06	200
Chloroform	26	U	200	26	ug/L			12/13/11 13:06	200
Chloromethane	36	U	400	36	ug/L			12/13/11 13:06	200
1,1-Dichloroethane	**4900**		200	22	ug/L			12/13/11 13:06	200
1,1-Dichloroethene	**5600**		200	38	ug/L			12/13/11 13:06	200
trans-1,2-Dichloroethene	**7300**		200	18	ug/L			12/13/11 13:06	200
1,2-Dichloropropane	32	U	200	32	ug/L			12/13/11 13:06	200
cis-1,3-Dichloropropene	36	U	200	36	ug/L			12/13/11 13:06	200
trans-1,3-Dichloropropene	42	U	200	42	ug/L			12/13/11 13:06	200
Ethylbenzene	**770**		200	22	ug/L			12/13/11 13:06	200
2-Hexanone	70	U	400	70	ug/L			12/13/11 13:06	200
Methylene Chloride	30	U	1000	30	ug/L			12/13/11 13:06	200
4-Methyl-2-pentanone (MIBK)	90	U	400	90	ug/L			12/13/11 13:06	200
Styrene	14	U	200	14	ug/L			12/13/11 13:06	200
1,1,2,2-Tetrachloroethane	44	U	200	44	ug/L			12/13/11 13:06	200
Tetrachloroethene	**430**		200	26	ug/L			12/13/11 13:06	200
Toluene	**240**		200	30	ug/L			12/13/11 13:06	200

Client Sample ID: MW-4-SS-1

Date Collected: 11/30/11 12:10
Date Received: 11/30/11 14:04

Lab Sample ID: 600-46717-8

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	30	U	200	30	ug/L			12/13/11 13:06	200
1,1,2-Trichloroethane	56	U	200	56	ug/L			12/13/11 13:06	200
Trichloroethene	**1700**		200	36	ug/L			12/13/11 13:06	200
Vinyl acetate	42	U	400	42	ug/L			12/13/11 13:06	200
o-Xylene	**25**	**J**	200	24	ug/L			12/13/11 13:06	200
m-Xylene & p-Xylene	**39**	**J**	200	34	ug/L			12/13/11 13:06	200
Xylenes, Total	**64**	**J**	200	52	ug/L			12/13/11 13:06	200
cis-1,2-Dichloroethene	**4200**		200	12	ug/L			12/13/11 13:06	200
Bromodichloromethane	32	U	200	32	ug/L			12/13/11 13:06	200
1,2-Dichloroethene, Total	**12000**		200	60	ug/L			12/13/11 13:06	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*70 - 130*		*12/13/11 13:06*	*200*
Dibromofluoromethane	*80*		*62 - 130*		*12/13/11 13:06*	*200*
4-Bromofluorobenzene	*80*		*67 - 139*		*12/13/11 13:06*	*200*
1,2-Dichloroethane-d4 (Surr)	*80*		*50 - 134*		*12/13/11 13:06*	*200*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	**74000**		10000	1400	ug/L			12/13/11 13:35	10000
Vinyl chloride	**170000**		20000	1100	ug/L			12/13/11 13:35	10000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*90*		*70 - 130*		*12/13/11 13:35*	*10000*
Dibromofluoromethane	*79*		*62 - 130*		*12/13/11 13:35*	*10000*
4-Bromofluorobenzene	*78*		*67 - 139*		*12/13/11 13:35*	*10000*
1,2-Dichloroethane-d4 (Surr)	*76*		*50 - 134*		*12/13/11 13:35*	*10000*

Surrogate Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-46717-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DBFM	BFB	12DCE
Lab Sample ID	Client Sample ID	(70-130)	(62-130)	(67-139)	(50-134)
600-46717-1	MW-6-SS-1	100	91	96	83
600-46717-1 - DL	MW-6-SS-1	99	89	93	79
600-46717-2	MW-71-SS-1	97	91	97	92
600-46717-2 - DL	MW-71-SS-1	102	87	95	81
600-46717-3	MW-8-SS-1	99	86	96	86
600-46717-3 - DL	MW-8-SS-1	100	88	96	75
600-46717-4	MW-11-SS-1	89	78	76	82
600-46717-4 - DL	MW-11-SS-1	86	72	75	72
600-46717-5	MW-40-SS-1	86	77	74	86
600-46717-5 - DL	MW-40-SS-1	91	77	81	77
600-46717-6	MW-68-SS-1	85	74	76	73
600-46717-6 - DL	MW-68-SS-1	86	72	78	70
600-46717-7	MW-66-SS-1	89	74	76	73
600-46717-7 - DL	MW-66-SS-1	87	71	76	70
600-46717-8	MW-4-SS-1	92	80	80	80
600-46717-8 - DL	MW-4-SS-1	90	79	78	76
LCS 600-67805/3	Lab Control Sample	109	96	103	98
LCS 600-68028/3	Lab Control Sample	104	87	130	82
LCS 600-68168/3	Lab Control Sample	100	93	102	90
MB 600-67805/4	Method Blank	100	87	91	82
MB 600-68028/4	Method Blank	86	72	79	72
MB 600-68168/4	Method Blank	93	80	82	80

Surrogate Legend

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane

BFB = 4-Bromofluorobenzene

12DCE = 1,2-Dichloroethane-d4 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 600-67805/4
Matrix: Water
Analysis Batch: 67805

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			12/07/11 14:39	1
Benzene	0.080	U	1.0	0.080	ug/L			12/07/11 14:39	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			12/07/11 14:39	1
Bromoform	0.19	U	1.0	0.19	ug/L			12/07/11 14:39	1
Bromomethane	0.25	U	2.0	0.25	ug/L			12/07/11 14:39	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			12/07/11 14:39	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			12/07/11 14:39	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			12/07/11 14:39	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			12/07/11 14:39	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			12/07/11 14:39	1
Chloroethane	0.080	U	2.0	0.080	ug/L			12/07/11 14:39	1
Chloroform	0.13	U	1.0	0.13	ug/L			12/07/11 14:39	1
Chloromethane	0.18	U	2.0	0.18	ug/L			12/07/11 14:39	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			12/07/11 14:39	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			12/07/11 14:39	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			12/07/11 14:39	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			12/07/11 14:39	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			12/07/11 14:39	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			12/07/11 14:39	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			12/07/11 14:39	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			12/07/11 14:39	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			12/07/11 14:39	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			12/07/11 14:39	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			12/07/11 14:39	1
Styrene	0.070	U	1.0	0.070	ug/L			12/07/11 14:39	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			12/07/11 14:39	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			12/07/11 14:39	1
Toluene	0.15	U	1.0	0.15	ug/L			12/07/11 14:39	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			12/07/11 14:39	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			12/07/11 14:39	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			12/07/11 14:39	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			12/07/11 14:39	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			12/07/11 14:39	1
o-Xylene	0.12	U	1.0	0.12	ug/L			12/07/11 14:39	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			12/07/11 14:39	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			12/07/11 14:39	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			12/07/11 14:39	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			12/07/11 14:39	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			12/07/11 14:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*70 - 130*		*12/07/11 14:39*	*1*
Dibromofluoromethane	*87*		*62 - 130*		*12/07/11 14:39*	*1*
4-Bromofluorobenzene	*91*		*67 - 139*		*12/07/11 14:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*82*		*50 - 134*		*12/07/11 14:39*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-67805/3
Matrix: Water
Analysis Batch: 67805

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	17.5		ug/L		87	28 - 152
Benzene	10.0	11.0		ug/L		110	69 - 131
Chlorobromomethane	10.0	11.0		ug/L		110	60 - 141
Bromoform	10.0	10.7		ug/L		107	39 - 149
Bromomethane	10.0	9.68		ug/L		97	52 - 146
2-Butanone (MEK)	20.0	17.6		ug/L		88	59 - 133
Carbon disulfide	10.0	13.9		ug/L		139	32 - 177
Carbon tetrachloride	10.0	10.2		ug/L		102	59 - 147
Dibromochloromethane	10.0	10.3		ug/L		103	58 - 132
Chlorobenzene	10.0	10.7		ug/L		107	60 - 136
Chloroethane	10.0	9.80		ug/L		98	56 - 144
Chloroform	10.0	10.3		ug/L		103	69 - 128
Chloromethane	10.0	10.4		ug/L		104	32 - 151
1,1-Dichloroethane	10.0	10.9		ug/L		109	66 - 126
1,2-Dichloroethane	10.0	10.0		ug/L		100	66 - 140
1,1-Dichloroethene	10.0	10.5		ug/L		105	59 - 145
trans-1,2-Dichloroethene	10.0	10.5		ug/L		105	70 - 132
1,2-Dichloropropane	10.0	11.4		ug/L		114	72 - 125
cis-1,3-Dichloropropene	10.0	10.7		ug/L		107	60 - 135
trans-1,3-Dichloropropene	10.0	10.1		ug/L		101	63 - 133
Ethylbenzene	10.0	10.6		ug/L		106	68 - 128
2-Hexanone	20.0	15.1		ug/L		76	51 - 130
Methylene Chloride	10.0	9.65		ug/L		97	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	22.1		ug/L		110	56 - 142
Styrene	10.0	11.3		ug/L		113	68 - 133
1,1,2,2-Tetrachloroethane	10.0	9.58		ug/L		96	68 - 134
Tetrachloroethene	10.0	11.1		ug/L		111	61 - 142
Toluene	10.0	10.6		ug/L		106	67 - 130
1,1,1-Trichloroethane	10.0	10.5		ug/L		105	65 - 142
1,1,2-Trichloroethane	10.0	10.1		ug/L		101	68 - 130
Trichloroethene	10.0	11.4		ug/L		114	68 - 130
Vinyl acetate	10.0	13.4		ug/L		134	58 - 175
Vinyl chloride	10.0	10.1		ug/L		101	47 - 146
o-Xylene	10.0	10.4		ug/L		104	68 - 134
m-Xylene & p-Xylene	20.0	21.5		ug/L		107	67 - 132
Xylenes, Total	30.0	31.9		ug/L		106	68 - 132
cis-1,2-Dichloroethene	10.0	10.4		ug/L		104	69 - 129
Bromodichloromethane	10.0	10.5		ug/L		105	73 - 130
1,2-Dichloroethene, Total	20.0	20.9		ug/L		105	65 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*109*		*70 - 130*
Dibromofluoromethane	*96*		*62 - 130*
4-Bromofluorobenzene	*103*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*98*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 600-68028/4
Matrix: Water
Analysis Batch: 68028

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			12/12/11 10:31	1
Benzene	0.080	U	1.0	0.080	ug/L			12/12/11 10:31	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			12/12/11 10:31	1
Bromoform	0.19	U	1.0	0.19	ug/L			12/12/11 10:31	1
Bromomethane	0.25	U	2.0	0.25	ug/L			12/12/11 10:31	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			12/12/11 10:31	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			12/12/11 10:31	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			12/12/11 10:31	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			12/12/11 10:31	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			12/12/11 10:31	1
Chloroethane	0.080	U	2.0	0.080	ug/L			12/12/11 10:31	1
Chloroform	0.13	U	1.0	0.13	ug/L			12/12/11 10:31	1
Chloromethane	0.18	U	2.0	0.18	ug/L			12/12/11 10:31	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			12/12/11 10:31	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			12/12/11 10:31	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			12/12/11 10:31	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			12/12/11 10:31	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			12/12/11 10:31	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			12/12/11 10:31	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			12/12/11 10:31	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			12/12/11 10:31	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			12/12/11 10:31	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			12/12/11 10:31	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			12/12/11 10:31	1
Styrene	0.070	U	1.0	0.070	ug/L			12/12/11 10:31	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			12/12/11 10:31	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			12/12/11 10:31	1
Toluene	0.15	U	1.0	0.15	ug/L			12/12/11 10:31	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			12/12/11 10:31	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			12/12/11 10:31	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			12/12/11 10:31	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			12/12/11 10:31	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			12/12/11 10:31	1
o-Xylene	0.12	U	1.0	0.12	ug/L			12/12/11 10:31	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			12/12/11 10:31	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			12/12/11 10:31	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			12/12/11 10:31	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			12/12/11 10:31	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			12/12/11 10:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*86*		*70 - 130*		*12/12/11 10:31*	*1*
Dibromofluoromethane	*72*		*62 - 130*		*12/12/11 10:31*	*1*
4-Bromofluorobenzene	*79*		*67 - 139*		*12/12/11 10:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*72*		*50 - 134*		*12/12/11 10:31*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-68028/3
Matrix: Water
Analysis Batch: 68028

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	17.7		ug/L		89	28 - 152
Benzene	10.0	9.04		ug/L		90	69 - 131
Chlorobromomethane	10.0	9.33		ug/L		93	60 - 141
Bromoform	10.0	8.57		ug/L		86	39 - 149
Bromomethane	10.0	8.45		ug/L		84	52 - 146
2-Butanone (MEK)	20.0	18.2		ug/L		91	59 - 133
Carbon disulfide	10.0	11.7		ug/L		117	32 - 177
Carbon tetrachloride	10.0	9.53		ug/L		95	59 - 147
Dibromochloromethane	10.0	9.87		ug/L		99	58 - 132
Chlorobenzene	10.0	9.89		ug/L		99	60 - 136
Chloroethane	10.0	8.27		ug/L		83	56 - 144
Chloroform	10.0	9.93		ug/L		99	69 - 128
Chloromethane	10.0	8.45		ug/L		85	32 - 151
1,1-Dichloroethane	10.0	9.44		ug/L		94	66 - 126
1,2-Dichloroethane	10.0	10.2		ug/L		102	66 - 140
1,1-Dichloroethene	10.0	8.83		ug/L		88	59 - 145
trans-1,2-Dichloroethene	10.0	9.06		ug/L		91	70 - 132
1,2-Dichloropropane	10.0	9.33		ug/L		93	72 - 125
cis-1,3-Dichloropropene	10.0	9.80		ug/L		98	60 - 135
trans-1,3-Dichloropropene	10.0	10.6		ug/L		106	63 - 133
Ethylbenzene	10.0	9.77		ug/L		98	68 - 128
2-Hexanone	20.0	20.4		ug/L		102	51 - 130
Methylene Chloride	10.0	8.01		ug/L		80	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	21.4		ug/L		107	56 - 142
Styrene	10.0	9.84		ug/L		98	68 - 133
1,1,2,2-Tetrachloroethane	10.0	9.60		ug/L		96	68 - 134
Tetrachloroethene	10.0	10.8		ug/L		108	61 - 142
Toluene	10.0	9.88		ug/L		99	67 - 130
1,1,1-Trichloroethane	10.0	9.62		ug/L		96	65 - 142
1,1,2-Trichloroethane	10.0	9.95		ug/L		100	68 - 130
Trichloroethene	10.0	10.7		ug/L		107	68 - 130
Vinyl acetate	10.0	11.5		ug/L		115	58 - 175
Vinyl chloride	10.0	8.07		ug/L		81	47 - 146
o-Xylene	10.0	9.77		ug/L		98	68 - 134
m-Xylene & p-Xylene	20.0	19.2		ug/L		96	67 - 132
Xylenes, Total	30.0	29.0		ug/L		97	68 - 132
cis-1,2-Dichloroethene	10.0	8.97		ug/L		90	69 - 129
Bromodichloromethane	10.0	9.86		ug/L		99	73 - 130
1,2-Dichloroethene, Total	20.0	18.0		ug/L		90	65 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*104*		*70 - 130*
Dibromofluoromethane	*87*		*62 - 130*
4-Bromofluorobenzene	*130*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*82*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 600-68168/4
Matrix: Water
Analysis Batch: 68168

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			12/13/11 10:16	1
Benzene	0.080	U	1.0	0.080	ug/L			12/13/11 10:16	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			12/13/11 10:16	1
Bromoform	0.19	U	1.0	0.19	ug/L			12/13/11 10:16	1
Bromomethane	0.25	U	2.0	0.25	ug/L			12/13/11 10:16	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			12/13/11 10:16	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			12/13/11 10:16	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			12/13/11 10:16	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			12/13/11 10:16	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			12/13/11 10:16	1
Chloroethane	0.080	U	2.0	0.080	ug/L			12/13/11 10:16	1
Chloroform	0.13	U	1.0	0.13	ug/L			12/13/11 10:16	1
Chloromethane	0.18	U	2.0	0.18	ug/L			12/13/11 10:16	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			12/13/11 10:16	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			12/13/11 10:16	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			12/13/11 10:16	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			12/13/11 10:16	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			12/13/11 10:16	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			12/13/11 10:16	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			12/13/11 10:16	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			12/13/11 10:16	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			12/13/11 10:16	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			12/13/11 10:16	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			12/13/11 10:16	1
Styrene	0.070	U	1.0	0.070	ug/L			12/13/11 10:16	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			12/13/11 10:16	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			12/13/11 10:16	1
Toluene	0.15	U	1.0	0.15	ug/L			12/13/11 10:16	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			12/13/11 10:16	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			12/13/11 10:16	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			12/13/11 10:16	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			12/13/11 10:16	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			12/13/11 10:16	1
o-Xylene	0.12	U	1.0	0.12	ug/L			12/13/11 10:16	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			12/13/11 10:16	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			12/13/11 10:16	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			12/13/11 10:16	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			12/13/11 10:16	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			12/13/11 10:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*70 - 130*		*12/13/11 10:16*	*1*
Dibromofluoromethane	*80*		*62 - 130*		*12/13/11 10:16*	*1*
4-Bromofluorobenzene	*82*		*67 - 139*		*12/13/11 10:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*80*		*50 - 134*		*12/13/11 10:16*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-68168/3
Matrix: Water
Analysis Batch: 68168

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	18.2		ug/L		91	28 - 152
Benzene	10.0	9.39		ug/L		94	69 - 131
Chlorobromomethane	10.0	10.0		ug/L		100	60 - 141
Bromoform	10.0	9.34		ug/L		93	39 - 149
Bromomethane	10.0	8.54		ug/L		85	52 - 146
2-Butanone (MEK)	20.0	17.3		ug/L		87	59 - 133
Carbon disulfide	10.0	12.0		ug/L		120	32 - 177
Carbon tetrachloride	10.0	10.1		ug/L		101	59 - 147
Dibromochloromethane	10.0	10.6		ug/L		106	58 - 132
Chlorobenzene	10.0	10.3		ug/L		103	60 - 136
Chloroethane	10.0	8.53		ug/L		85	56 - 144
Chloroform	10.0	10.2		ug/L		102	69 - 128
Chloromethane	10.0	8.38		ug/L		84	32 - 151
1,1-Dichloroethane	10.0	9.69		ug/L		97	66 - 126
1,2-Dichloroethane	10.0	10.4		ug/L		104	66 - 140
1,1-Dichloroethene	10.0	9.10		ug/L		91	59 - 145
trans-1,2-Dichloroethene	10.0	9.37		ug/L		94	70 - 132
1,2-Dichloropropane	10.0	9.58		ug/L		96	72 - 125
cis-1,3-Dichloropropene	10.0	10.2		ug/L		102	60 - 135
trans-1,3-Dichloropropene	10.0	10.9		ug/L		109	63 - 133
Ethylbenzene	10.0	10.0		ug/L		100	68 - 128
2-Hexanone	20.0	21.3		ug/L		106	51 - 130
Methylene Chloride	10.0	8.26		ug/L		83	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	21.3		ug/L		107	56 - 142
Styrene	10.0	9.97		ug/L		100	68 - 133
1,1,2,2-Tetrachloroethane	10.0	9.87		ug/L		99	68 - 134
Tetrachloroethene	10.0	11.1		ug/L		111	61 - 142
Toluene	10.0	10.0		ug/L		100	67 - 130
1,1,1-Trichloroethane	10.0	9.87		ug/L		99	65 - 142
1,1,2-Trichloroethane	10.0	10.3		ug/L		103	68 - 130
Trichloroethene	10.0	11.2		ug/L		112	68 - 130
Vinyl acetate	10.0	12.0		ug/L		120	58 - 175
Vinyl chloride	10.0	8.02		ug/L		80	47 - 146
o-Xylene	10.0	10.1		ug/L		101	68 - 134
m-Xylene & p-Xylene	20.0	19.7		ug/L		98	67 - 132
Xylenes, Total	30.0	29.8		ug/L		99	68 - 132
cis-1,2-Dichloroethene	10.0	9.08		ug/L		91	69 - 129
Bromodichloromethane	10.0	10.2		ug/L		102	73 - 130
1,2-Dichloroethene, Total	20.0	18.5		ug/L		92	65 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*100*		*70 - 130*
Dibromofluoromethane	*93*		*62 - 130*
4-Bromofluorobenzene	*102*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*90*		*50 - 134*

QC Association Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-46717-1

GC/MS VOA

Analysis Batch: 67805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-46717-1	MW-6-SS-1	Total/NA	Water	8260B	
600-46717-1 - DL	MW-6-SS-1	Total/NA	Water	8260B	
600-46717-2	MW-71-SS-1	Total/NA	Water	8260B	
600-46717-2 - DL	MW-71-SS-1	Total/NA	Water	8260B	
600-46717-3	MW-8-SS-1	Total/NA	Water	8260B	
600-46717-3 - DL	MW-8-SS-1	Total/NA	Water	8260B	
LCS 600-67805/3	Lab Control Sample	Total/NA	Water	8260B	
MB 600-67805/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 68028

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-46717-4	MW-11-SS-1	Total/NA	Water	8260B	
600-46717-4 - DL	MW-11-SS-1	Total/NA	Water	8260B	
600-46717-5	MW-40-SS-1	Total/NA	Water	8260B	
600-46717-6	MW-68-SS-1	Total/NA	Water	8260B	
600-46717-6 - DL	MW-68-SS-1	Total/NA	Water	8260B	
600-46717-7	MW-66-SS-1	Total/NA	Water	8260B	
600-46717-7 - DL	MW-66-SS-1	Total/NA	Water	8260B	
LCS 600-68028/3	Lab Control Sample	Total/NA	Water	8260B	
MB 600-68028/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 68168

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-46717-5 - DL	MW-40-SS-1	Total/NA	Water	8260B	
600-46717-8	MW-4-SS-1	Total/NA	Water	8260B	
600-46717-8 - DL	MW-4-SS-1	Total/NA	Water	8260B	
LCS 600-68168/3	Lab Control Sample	Total/NA	Water	8260B	
MB 600-68168/4	Method Blank	Total/NA	Water	8260B	

Lab Chronicle

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-46717-1

Client Sample ID: MW-6-SS-1 — Lab Sample ID: 600-46717-1

Date Collected: 11/30/11 09:50 — **Matrix: Water**
Date Received: 11/30/11 14:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		200	67805	12/07/11 23:53	KLV	TAL HOU
Total/NA	Analysis	8260B	DL	10000	67805	12/08/11 00:20	KLV	TAL HOU

Client Sample ID: MW-71-SS-1 — Lab Sample ID: 600-46717-2

Date Collected: 11/30/11 10:20 — **Matrix: Water**
Date Received: 11/30/11 14:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	67805	12/07/11 22:07	KLV	TAL HOU
Total/NA	Analysis	8260B	DL	100	67805	12/07/11 22:33	KLV	TAL HOU

Client Sample ID: MW-8-SS-1 — Lab Sample ID: 600-46717-3

Date Collected: 11/30/11 10:45 — **Matrix: Water**
Date Received: 11/30/11 14:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	67805	12/07/11 23:00	KLV	TAL HOU
Total/NA	Analysis	8260B	DL	100	67805	12/07/11 23:27	KLV	TAL HOU

Client Sample ID: MW-11-SS-1 — Lab Sample ID: 600-46717-4

Date Collected: 11/30/11 11:05 — **Matrix: Water**
Date Received: 11/30/11 14:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	68028	12/12/11 17:39	WS	TAL HOU
Total/NA	Analysis	8260B	DL	200	68028	12/12/11 18:07	WS	TAL HOU

Client Sample ID: MW-40-SS-1 — Lab Sample ID: 600-46717-5

Date Collected: 11/30/11 11:20 — **Matrix: Water**
Date Received: 11/30/11 14:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	68028	12/12/11 18:36	WS	TAL HOU
Total/NA	Analysis	8260B	DL	10	68168	12/13/11 12:38	WS	TAL HOU

Client Sample ID: MW-68-SS-1 — Lab Sample ID: 600-46717-6

Date Collected: 11/30/11 11:40 — **Matrix: Water**
Date Received: 11/30/11 14:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	68028	12/12/11 19:04	WS	TAL HOU
Total/NA	Analysis	8260B	DL	200	68028	12/12/11 19:32	WS	TAL HOU

Lab Chronicle

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-46717-1

Client Sample ID: MW-66-SS-1

Lab Sample ID: 600-46717-7

Date Collected: 11/30/11 12:00

Matrix: Water

Date Received: 11/30/11 14:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		100	68028	12/12/11 20:01	WS	TAL HOU
Total/NA	Analysis	8260B	DL	10000	68028	12/12/11 20:29	WS	TAL HOU

Client Sample ID: MW-4-SS-1

Lab Sample ID: 600-46717-8

Date Collected: 11/30/11 12:10

Matrix: Water

Date Received: 11/30/11 14:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		200	68168	12/13/11 13:06	WS	TAL HOU
Total/NA	Analysis	8260B	DL	10000	68168	12/13/11 13:35	WS	TAL HOU

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Certification Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-46717-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Houston	Arkansas	State Program	6	88-0759
TestAmerica Houston	Louisiana	NELAC	6	30643
TestAmerica Houston	Oklahoma	State Program	6	9503
TestAmerica Houston	Texas	NELAC	6	T104704223-10-6-TX
TestAmerica Houston	USDA	USDA		P330-08-00217
TestAmerica Houston	Utah	NELAC	8	GULF

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-46717-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL HOU

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Sample Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N-80

TestAmerica Job ID: 600-46717-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
600-46717-1	MW-6-SS-1	Water	11/30/11 09:50	11/30/11 14:04
600-46717-2	MW-71-SS-1	Water	11/30/11 10:20	11/30/11 14:04
600-46717-3	MW-8-SS-1	Water	11/30/11 10:45	11/30/11 14:04
600-46717-4	MW-11-SS-1	Water	11/30/11 11:05	11/30/11 14:04
600-46717-5	MW-40-SS-1	Water	11/30/11 11:20	11/30/11 14:04
600-46717-6	MW-68-SS-1	Water	11/30/11 11:40	11/30/11 14:04
600-46717-7	MW-66-SS-1	Water	11/30/11 12:00	11/30/11 14:04
600-46717-8	MW-4-SS-1	Water	11/30/11 12:10	11/30/11 14:04

Chain of Custody Record

TAL-4124 (1007)

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Loc: 600
46717

Client: GSI	Project Manager: TOM McHUGH, KATE HAMEL	Date: 11/30/2011	Chain of Cu: 14 18
Address: 2211 NORFOLK SUITE 1000	Telephone Number (Area Code)/Fax Number: 713-522.6300	Lab Number	Page 1 of 1
City: HOUSTON State: TX Zip Code: 77098	Site Contact	Lab Contact	
Project Name and Location (State): SERDP GW MON NAR STUDY	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.: G-3460			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): VOCs 8260B	Special Instructions/ Conditions of Receipt
MW-6-SS-1	11/30/11	950		✓						✓			✓	SNAP VIALS
MW-71-SS-1	↓	1020		✓						✓			✓	↓
MW-8-SS-1		1045		✓						✓			✓	
MW-11-SS-1		1105		✓						✓			✓	
MW-40-SS-1		1120		✓						✓			✓	
MW-68-SS-1		1140		✓						✓			✓	
MW-66-SS-1		1200		✓						✓			✓	
MW-4-SS-1	↓	1210		✓						✓			✓	

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other STANDARD

QC Requirements (Specify): STANDARD QA/QC.

1. Relinquished By: Kate Hamel	Date: 11/30/11	Time: 1405	1. Received By:	Date: 11/30/11	Time: 1404.
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Login Sample Receipt Checklist

Client: Groundwater Services, Inc.

Job Number: 600-46717-1

Login Number: 46717

List Source: TestAmerica Houston

List Number: 1

Creator: Fuentes Jr, Fabio

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Tel: (713)690-4444

TestAmerica Job ID: 600-45850-1
Client Project/Site: G-3460 N80

For:
Groundwater Services, Inc.
2211 Norfolk, Suite 1000
Houston, Texas 77098-4044

Attn: Ms. Kate Hamel

Authorized for release by:
11/18/2011 4:11:45 PM

Sachin Kudchadkar
Project Manager II
sachin.kudchadkar@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N80

TestAmerica Job ID: 600-45850-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Groundwater Services, Inc.
Project/Site: G-3460 N80

TestAmerica Job ID: 600-45850-1

Job ID: 600-45850-1

Laboratory: TestAmerica Houston

Narrative

Job Narrative
600-45850-1

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
Method(s) 8260B: The method blank for batch 66626 contained methylene chloride above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore,re-analysis of samples was not performed.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries associated with batch 66626 were outside control limits: (600-45850-6 MS), (600-45850-6 MSD). Matrix interference is suspected.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries of several analytes associated with batch 66581 were outside control limits: (600-45850-1 MS), (600-45850-1 MSD). Matrix interference is suspected.

Method(s) 8260B: The following sample(s) was diluted due to the nature of the sample matrix: DUP-NP-1 (600-45850-9), MW-40-NP-1 (600-45850-4), MW-71-NP-1 (600-45850-1). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The following sample(s) was diluted due to the nature of the sample matrix: MW-11-NP-1 (600-45850-3), MW-68-NP-1 (600-45850-5), MW-8-NP-1 (600-45850-2). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

Detection Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N80

TestAmerica Job ID: 600-45850-1

Client Sample ID: MW-71-NP-1 — Lab Sample ID: 600-45850-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	190		10	1.2	ug/L	10		8260B	Total/NA
Ethylbenzene	320		10	1.1	ug/L	10		8260B	Total/NA
Styrene	1.1	J	10	0.70	ug/L	10		8260B	Total/NA
Toluene	61		10	1.5	ug/L	10		8260B	Total/NA
Vinyl chloride	50		20	1.1	ug/L	10		8260B	Total/NA
o-Xylene	6.2	J	10	1.2	ug/L	10		8260B	Total/NA
m-Xylene & p-Xylene	12		10	1.7	ug/L	10		8260B	Total/NA
Xylenes, Total	18		10	2.6	ug/L	10		8260B	Total/NA
Benzene - DL	1200		200	16	ug/L	200		8260B	Total/NA
1,1-Dichloroethane - DL	470		200	22	ug/L	200		8260B	Total/NA

Client Sample ID: MW-8-NP-1 — Lab Sample ID: 600-45850-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	140		50	9.9	ug/L	10		8260B	Total/NA
2-Butanone (MEK)	480		20	7.6	ug/L	10		8260B	Total/NA
Carbon disulfide	12	J	20	2.4	ug/L	10		8260B	Total/NA
Chlorobenzene	190		10	1.2	ug/L	10		8260B	Total/NA
1,1-Dichloroethane	370		10	1.1	ug/L	10		8260B	Total/NA
1,1-Dichloroethene	41		10	1.9	ug/L	10		8260B	Total/NA
trans-1,2-Dichloroethene	180		10	0.90	ug/L	10		8260B	Total/NA
Methylene Chloride	2.8	J B	50	1.5	ug/L	10		8260B	Total/NA
Styrene	4.3	J	10	0.70	ug/L	10		8260B	Total/NA
Tetrachloroethene	2.2	J	10	1.3	ug/L	10		8260B	Total/NA
Toluene	89		10	1.5	ug/L	10		8260B	Total/NA
Trichloroethene	20		10	1.8	ug/L	10		8260B	Total/NA
o-Xylene	11		10	1.2	ug/L	10		8260B	Total/NA
m-Xylene & p-Xylene	13		10	1.7	ug/L	10		8260B	Total/NA
Xylenes, Total	24		10	2.6	ug/L	10		8260B	Total/NA
cis-1,2-Dichloroethene	31		10	0.60	ug/L	10		8260B	Total/NA
1,2-Dichloroethene, Total	210		10	3.0	ug/L	10		8260B	Total/NA
Benzene - DL	740		200	16	ug/L	200		8260B	Total/NA
Ethylbenzene - DL	410		200	22	ug/L	200		8260B	Total/NA
Vinyl chloride - DL	1200		400	22	ug/L	200		8260B	Total/NA

Client Sample ID: MW-11-NP-1 — Lab Sample ID: 600-45850-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	92		20	1.6	ug/L	20		8260B	Total/NA
Chlorobenzene	220		20	2.4	ug/L	20		8260B	Total/NA
1,1-Dichloroethane	810		20	2.2	ug/L	20		8260B	Total/NA
1,1-Dichloroethene	220		20	3.8	ug/L	20		8260B	Total/NA
Ethylbenzene	19	J	20	2.2	ug/L	20		8260B	Total/NA
Methylene Chloride	6.4	J B	100	3.0	ug/L	20		8260B	Total/NA
Toluene	8.9	J	20	3.0	ug/L	20		8260B	Total/NA
Trichloroethene	410		20	3.6	ug/L	20		8260B	Total/NA
1,2-Dichloroethane - DL	1100		200	28	ug/L	200		8260B	Total/NA
trans-1,2-Dichloroethene - DL	820		200	18	ug/L	200		8260B	Total/NA
Vinyl chloride - DL	8000		400	22	ug/L	200		8260B	Total/NA
cis-1,2-Dichloroethene - DL	1800		200	12	ug/L	200		8260B	Total/NA
1,2-Dichloroethene, Total - DL	2600		200	60	ug/L	200		8260B	Total/NA

Client Sample ID: MW-40-NP-1 — Lab Sample ID: 600-45850-4

Client Sample ID: MW-40-NP-1 (Continued) — Lab Sample ID: 600-45850-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	77		10	0.80	ug/L	10		8260B	Total/NA
Chlorobenzene	280		10	1.2	ug/L	10		8260B	Total/NA
1,1-Dichloroethane	360		10	1.1	ug/L	10		8260B	Total/NA
trans-1,2-Dichloroethene	12		10	0.90	ug/L	10		8260B	Total/NA
Ethylbenzene	97		10	1.1	ug/L	10		8260B	Total/NA
Styrene	1.3	J	10	0.70	ug/L	10		8260B	Total/NA
Toluene	20		10	1.5	ug/L	10		8260B	Total/NA
Trichloroethene	4.4	J	10	1.8	ug/L	10		8260B	Total/NA
Vinyl chloride	280		20	1.1	ug/L	10		8260B	Total/NA
m-Xylene & p-Xylene	1.8	J	10	1.7	ug/L	10		8260B	Total/NA
cis-1,2-Dichloroethene	4.5	J	10	0.60	ug/L	10		8260B	Total/NA
1,2-Dichloroethene, Total	17		10	3.0	ug/L	10		8260B	Total/NA

Client Sample ID: MW-68-NP-1 — Lab Sample ID: 600-45850-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	52		10	0.80	ug/L	10		8260B	Total/NA
Chlorobenzene	42		10	1.2	ug/L	10		8260B	Total/NA
1,1-Dichloroethane	150		10	1.1	ug/L	10		8260B	Total/NA
trans-1,2-Dichloroethene	100		10	0.90	ug/L	10		8260B	Total/NA
Ethylbenzene	140		10	1.1	ug/L	10		8260B	Total/NA
Methylene Chloride	1.5	J B	50	1.5	ug/L	10		8260B	Total/NA
Toluene	18		10	1.5	ug/L	10		8260B	Total/NA
cis-1,2-Dichloroethene	5.6	J	10	0.60	ug/L	10		8260B	Total/NA
1,2-Dichloroethene, Total	110		10	3.0	ug/L	10		8260B	Total/NA
Vinyl chloride - DL	1200		400	22	ug/L	200		8260B	Total/NA

Client Sample ID: MW-66-NP-1 — Lab Sample ID: 600-45850-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	4200		200	16	ug/L	200		8260B	Total/NA
Chlorobenzene	1600		200	24	ug/L	200		8260B	Total/NA
1,1-Dichloroethane	2200		200	22	ug/L	200		8260B	Total/NA
1,1-Dichloroethene	1900		200	38	ug/L	200		8260B	Total/NA
trans-1,2-Dichloroethene	3100		200	18	ug/L	200		8260B	Total/NA
Ethylbenzene	3400		200	22	ug/L	200		8260B	Total/NA
Styrene	940		200	14	ug/L	200		8260B	Total/NA
Tetrachloroethene	230		200	26	ug/L	200		8260B	Total/NA
Toluene	2100		200	30	ug/L	200		8260B	Total/NA
Trichloroethene	1000		200	36	ug/L	200		8260B	Total/NA
m-Xylene & p-Xylene	45	J	200	34	ug/L	200		8260B	Total/NA
cis-1,2-Dichloroethene	1500		200	12	ug/L	200		8260B	Total/NA
1,2-Dichloroethene, Total	4600		200	60	ug/L	200		8260B	Total/NA
1,2-Dichloroethane - DL	160000		10000	1400	ug/L	10000		8260B	Total/NA
1,1,2-Trichloroethane - DL	56000		10000	2800	ug/L	10000		8260B	Total/NA
Vinyl chloride - DL	78000		20000	1100	ug/L	10000		8260B	Total/NA

Client Sample ID: MW-4-NP-1 — Lab Sample ID: 600-45850-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	4300		200	16	ug/L	200		8260B	Total/NA
Chlorobenzene	1300		200	24	ug/L	200		8260B	Total/NA
1,1-Dichloroethane	3900		200	22	ug/L	200		8260B	Total/NA
1,1-Dichloroethene	8100		200	38	ug/L	200		8260B	Total/NA

Detection Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N80

TestAmerica Job ID: 600-45850-1

Client Sample ID: MW-4-NP-1 (Continued) — Lab Sample ID: 600-45850-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
trans-1,2-Dichloroethene	8200		200	18	ug/L	200		8260B	Total/NA
Ethylbenzene	790		200	22	ug/L	200		8260B	Total/NA
Tetrachloroethene	520		200	26	ug/L	200		8260B	Total/NA
Toluene	320		200	30	ug/L	200		8260B	Total/NA
1,1,2-Trichloroethane	930		200	56	ug/L	200		8260B	Total/NA
Trichloroethene	2000		200	36	ug/L	200		8260B	Total/NA
m-Xylene & p-Xylene	48	J	200	34	ug/L	200		8260B	Total/NA
cis-1,2-Dichloroethene	4700		200	12	ug/L	200		8260B	Total/NA
1,2-Dichloroethene, Total	13000		200	60	ug/L	200		8260B	Total/NA
1,2-Dichloroethane - DL	96000		10000	1400	ug/L	10000		8260B	Total/NA
Vinyl chloride - DL	170000		20000	1100	ug/L	10000		8260B	Total/NA

Client Sample ID: MW-65-NP-1 — Lab Sample ID: 600-45850-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	3000		200	16	ug/L	200		8260B	Total/NA
Chlorobenzene	1600		200	24	ug/L	200		8260B	Total/NA
Chloroform	52	J	200	26	ug/L	200		8260B	Total/NA
1,1-Dichloroethane	2200		200	22	ug/L	200		8260B	Total/NA
1,2-Dichloroethane	950		200	28	ug/L	200		8260B	Total/NA
1,1-Dichloroethene	1500		200	38	ug/L	200		8260B	Total/NA
trans-1,2-Dichloroethene	5100		200	18	ug/L	200		8260B	Total/NA
Ethylbenzene	940		200	22	ug/L	200		8260B	Total/NA
Styrene	38	J	200	14	ug/L	200		8260B	Total/NA
Tetrachloroethene	160	J	200	26	ug/L	200		8260B	Total/NA
Toluene	320		200	30	ug/L	200		8260B	Total/NA
Trichloroethene	530		200	36	ug/L	200		8260B	Total/NA
o-Xylene	31	J	200	24	ug/L	200		8260B	Total/NA
m-Xylene & p-Xylene	65	J	200	34	ug/L	200		8260B	Total/NA
Xylenes, Total	96	J	200	52	ug/L	200		8260B	Total/NA
cis-1,2-Dichloroethene	730		200	12	ug/L	200		8260B	Total/NA
1,2-Dichloroethene, Total	5800		200	60	ug/L	200		8260B	Total/NA
Vinyl chloride - DL	120000		20000	1100	ug/L	10000		8260B	Total/NA

Client Sample ID: DUP-NP-1 — Lab Sample ID: 600-45850-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	39		10	0.80	ug/L	10		8260B	Total/NA
Chlorobenzene	33		10	1.2	ug/L	10		8260B	Total/NA
1,1-Dichloroethane	150		10	1.1	ug/L	10		8260B	Total/NA
1,1-Dichloroethene	21		10	1.9	ug/L	10		8260B	Total/NA
trans-1,2-Dichloroethene	76		10	0.90	ug/L	10		8260B	Total/NA
Ethylbenzene	69		10	1.1	ug/L	10		8260B	Total/NA
Methylene Chloride	2.7	J B	50	1.5	ug/L	10		8260B	Total/NA
Toluene	11		10	1.5	ug/L	10		8260B	Total/NA
Vinyl chloride	1300		400	22	ug/L	200		8260B	Total/NA
cis-1,2-Dichloroethene	3.2	J	10	0.60	ug/L	10		8260B	Total/NA
1,2-Dichloroethene, Total	79		10	3.0	ug/L	10		8260B	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 600-45850-10

No Detections

Client Sample Results

Client: Groundwater Services, Inc.
Project/Site: G-3460 N80

TestAmerica Job ID: 600-45850-1

Client Sample ID: MW-71-NP-1

Date Collected: 11/09/11 10:00
Date Received: 11/10/11 15:11

Lab Sample ID: 600-45850-1

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	50	9.9	ug/L			11/17/11 12:16	10
Chlorobromomethane	1.8	U	10	1.8	ug/L			11/17/11 12:16	10
Bromoform	1.9	U	10	1.9	ug/L			11/17/11 12:16	10
Bromomethane	2.5	U	20	2.5	ug/L			11/17/11 12:16	10
2-Butanone (MEK)	7.6	U	20	7.6	ug/L			11/17/11 12:16	10
Carbon disulfide	2.4	U	20	2.4	ug/L			11/17/11 12:16	10
Carbon tetrachloride	1.5	U	10	1.5	ug/L			11/17/11 12:16	10
Dibromochloromethane	1.5	U	10	1.5	ug/L			11/17/11 12:16	10
Chlorobenzene	**190**		10	1.2	ug/L			11/17/11 12:16	10
Chloroethane	0.80	U	20	0.80	ug/L			11/17/11 12:16	10
Chloroform	1.3	U	10	1.3	ug/L			11/17/11 12:16	10
Chloromethane	1.8	U	20	1.8	ug/L			11/17/11 12:16	10
1,2-Dichloroethane	1.4	U	10	1.4	ug/L			11/17/11 12:16	10
1,1-Dichloroethene	1.9	U	10	1.9	ug/L			11/17/11 12:16	10
trans-1,2-Dichloroethene	0.90	U	10	0.90	ug/L			11/17/11 12:16	10
1,2-Dichloropropane	1.6	U	10	1.6	ug/L			11/17/11 12:16	10
cis-1,3-Dichloropropene	1.8	U	10	1.8	ug/L			11/17/11 12:16	10
trans-1,3-Dichloropropene	2.1	U	10	2.1	ug/L			11/17/11 12:16	10
Ethylbenzene	**320**		10	1.1	ug/L			11/17/11 12:16	10
2-Hexanone	3.5	U	20	3.5	ug/L			11/17/11 12:16	10
Methylene Chloride	1.5	U	50	1.5	ug/L			11/17/11 12:16	10
4-Methyl-2-pentanone (MIBK)	4.5	U	20	4.5	ug/L			11/17/11 12:16	10
Styrene	**1.1**	**J**	10	0.70	ug/L			11/17/11 12:16	10
1,1,2,2-Tetrachloroethane	2.2	U	10	2.2	ug/L			11/17/11 12:16	10
Tetrachloroethene	1.3	U	10	1.3	ug/L			11/17/11 12:16	10
Toluene	**61**		10	1.5	ug/L			11/17/11 12:16	10
1,1,1-Trichloroethane	1.5	U	10	1.5	ug/L			11/17/11 12:16	10
1,1,2-Trichloroethane	2.8	U	10	2.8	ug/L			11/17/11 12:16	10
Trichloroethene	1.8	U	10	1.8	ug/L			11/17/11 12:16	10
Vinyl acetate	2.1	U	20	2.1	ug/L			11/17/11 12:16	10
Vinyl chloride	**50**		20	1.1	ug/L			11/17/11 12:16	10
o-Xylene	**6.2**	**J**	10	1.2	ug/L			11/17/11 12:16	10
m-Xylene & p-Xylene	**12**		10	1.7	ug/L			11/17/11 12:16	10
Xylenes, Total	**18**		10	2.6	ug/L			11/17/11 12:16	10
cis-1,2-Dichloroethene	0.60	U	10	0.60	ug/L			11/17/11 12:16	10
Bromodichloromethane	1.6	U	10	1.6	ug/L			11/17/11 12:16	10
1,2-Dichloroethene, Total	3.0	U	10	3.0	ug/L			11/17/11 12:16	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*110*		*70 - 130*		*11/17/11 12:16*	*10*
Dibromofluoromethane	*90*		*62 - 130*		*11/17/11 12:16*	*10*
4-Bromofluorobenzene	*82*		*67 - 139*		*11/17/11 12:16*	*10*
1,2-Dichloroethane-d4 (Surr)	*97*		*50 - 134*		*11/17/11 12:16*	*10*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1200**		200	16	ug/L			11/16/11 17:27	200
1,1-Dichloroethane	**470**		200	22	ug/L			11/16/11 17:27	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*127*		*70 - 130*		*11/16/11 17:27*	*200*

Client Sample ID: MW-71-NP-1

Lab Sample ID: 600-45850-1

Date Collected: 11/09/11 10:00
Matrix: Water
Date Received: 11/10/11 15:11

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	83		62 - 130		11/16/11 17:27	200
4-Bromofluorobenzene	101		67 - 139		11/16/11 17:27	200
1,2-Dichloroethane-d4 (Surr)	79		50 - 134		11/16/11 17:27	200

Client Sample ID: MW-8-NP-1

Lab Sample ID: 600-45850-2

Date Collected: 11/09/11 10:10
Matrix: Water
Date Received: 11/10/11 15:11

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**140**		50	9.9	ug/L			11/17/11 16:13	10
Chlorobromomethane	1.8	U	10	1.8	ug/L			11/17/11 16:13	10
Bromoform	1.9	U	10	1.9	ug/L			11/17/11 16:13	10
Bromomethane	2.5	U	20	2.5	ug/L			11/17/11 16:13	10
2-Butanone (MEK)	**480**		20	7.6	ug/L			11/17/11 16:13	10
Carbon disulfide	**12**	**J**	20	2.4	ug/L			11/17/11 16:13	10
Carbon tetrachloride	1.5	U	10	1.5	ug/L			11/17/11 16:13	10
Dibromochloromethane	1.5	U	10	1.5	ug/L			11/17/11 16:13	10
Chlorobenzene	**190**		10	1.2	ug/L			11/17/11 16:13	10
Chloroethane	0.80	U	20	0.80	ug/L			11/17/11 16:13	10
Chloroform	1.3	U	10	1.3	ug/L			11/17/11 16:13	10
Chloromethane	1.8	U	20	1.8	ug/L			11/17/11 16:13	10
1,1-Dichloroethane	**370**		10	1.1	ug/L			11/17/11 16:13	10
1,2-Dichloroethane	1.4	U	10	1.4	ug/L			11/17/11 16:13	10
1,1-Dichloroethene	**41**		10	1.9	ug/L			11/17/11 16:13	10
trans-1,2-Dichloroethene	**180**		10	0.90	ug/L			11/17/11 16:13	10
1,2-Dichloropropane	1.6	U	10	1.6	ug/L			11/17/11 16:13	10
cis-1,3-Dichloropropene	1.8	U	10	1.8	ug/L			11/17/11 16:13	10
trans-1,3-Dichloropropene	2.1	U	10	2.1	ug/L			11/17/11 16:13	10
2-Hexanone	3.5	U	20	3.5	ug/L			11/17/11 16:13	10
Methylene Chloride	**2.8**	**J B**	50	1.5	ug/L			11/17/11 16:13	10
4-Methyl-2-pentanone (MIBK)	4.5	U	20	4.5	ug/L			11/17/11 16:13	10
Styrene	**4.3**	**J**	10	0.70	ug/L			11/17/11 16:13	10
1,1,2,2-Tetrachloroethane	2.2	U	10	2.2	ug/L			11/17/11 16:13	10
Tetrachloroethene	**2.2**	**J**	10	1.3	ug/L			11/17/11 16:13	10
Toluene	**89**		10	1.5	ug/L			11/17/11 16:13	10
1,1,1-Trichloroethane	1.5	U	10	1.5	ug/L			11/17/11 16:13	10
1,1,2-Trichloroethane	2.8	U	10	2.8	ug/L			11/17/11 16:13	10
Trichloroethene	**20**		10	1.8	ug/L			11/17/11 16:13	10
Vinyl acetate	2.1	U	20	2.1	ug/L			11/17/11 16:13	10
o-Xylene	**11**		10	1.2	ug/L			11/17/11 16:13	10
m-Xylene & p-Xylene	**13**		10	1.7	ug/L			11/17/11 16:13	10
Xylenes, Total	**24**		10	2.6	ug/L			11/17/11 16:13	10
cis-1,2-Dichloroethene	**31**		10	0.60	ug/L			11/17/11 16:13	10
Bromodichloromethane	1.6	U	10	1.6	ug/L			11/17/11 16:13	10
1,2-Dichloroethene, Total	**210**		10	3.0	ug/L			11/17/11 16:13	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	114		70 - 130		11/17/11 16:13	10

Client Sample ID: MW-8-NP-1

Lab Sample ID: 600-45850-2

Date Collected: 11/09/11 10:10

Matrix: Water

Date Received: 11/10/11 15:11

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	88		62 - 130		11/17/11 16:13	10
4-Bromofluorobenzene	83		67 - 139		11/17/11 16:13	10
1,2-Dichloroethane-d4 (Surr)	89		50 - 134		11/17/11 16:13	10

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**740**		200	16	ug/L			11/16/11 19:30	200
Ethylbenzene	**410**		200	22	ug/L			11/16/11 19:30	200
Vinyl chloride	**1200**		400	22	ug/L			11/16/11 19:30	200

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	123		70 - 130		11/16/11 19:30	200
Dibromofluoromethane	83		62 - 130		11/16/11 19:30	200
4-Bromofluorobenzene	106		67 - 139		11/16/11 19:30	200
1,2-Dichloroethane-d4 (Surr)	79		50 - 134		11/16/11 19:30	200

Client Sample ID: MW-11-NP-1

Lab Sample ID: 600-45850-3

Date Collected: 11/09/11 10:25

Matrix: Water

Date Received: 11/10/11 15:11

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	20	U	100	20	ug/L			11/17/11 16:41	20
Benzene	**92**		20	1.6	ug/L			11/17/11 16:41	20
Chlorobromomethane	3.6	U	20	3.6	ug/L			11/17/11 16:41	20
Bromoform	3.8	U	20	3.8	ug/L			11/17/11 16:41	20
Bromomethane	5.0	U	40	5.0	ug/L			11/17/11 16:41	20
2-Butanone (MEK)	15	U	40	15	ug/L			11/17/11 16:41	20
Carbon disulfide	4.8	U	40	4.8	ug/L			11/17/11 16:41	20
Carbon tetrachloride	3.0	U	20	3.0	ug/L			11/17/11 16:41	20
Dibromochloromethane	3.0	U	20	3.0	ug/L			11/17/11 16:41	20
Chlorobenzene	**220**		20	2.4	ug/L			11/17/11 16:41	20
Chloroethane	1.6	U	40	1.6	ug/L			11/17/11 16:41	20
Chloroform	2.6	U	20	2.6	ug/L			11/17/11 16:41	20
Chloromethane	3.6	U	40	3.6	ug/L			11/17/11 16:41	20
1,1-Dichloroethane	**810**		20	2.2	ug/L			11/17/11 16:41	20
1,1-Dichloroethene	**220**		20	3.8	ug/L			11/17/11 16:41	20
1,2-Dichloropropane	3.2	U	20	3.2	ug/L			11/17/11 16:41	20
cis-1,3-Dichloropropene	3.6	U	20	3.6	ug/L			11/17/11 16:41	20
trans-1,3-Dichloropropene	4.2	U	20	4.2	ug/L			11/17/11 16:41	20
Ethylbenzene	**19**	**J**	20	2.2	ug/L			11/17/11 16:41	20
2-Hexanone	7.0	U	40	7.0	ug/L			11/17/11 16:41	20
Methylene Chloride	**6.4**	**J B**	100	3.0	ug/L			11/17/11 16:41	20
4-Methyl-2-pentanone (MIBK)	9.0	U	40	9.0	ug/L			11/17/11 16:41	20
Styrene	1.4	U	20	1.4	ug/L			11/17/11 16:41	20
1,1,2,2-Tetrachloroethane	4.4	U	20	4.4	ug/L			11/17/11 16:41	20
Tetrachloroethene	2.6	U	20	2.6	ug/L			11/17/11 16:41	20
Toluene	**8.9**	**J**	20	3.0	ug/L			11/17/11 16:41	20
1,1,1-Trichloroethane	3.0	U	20	3.0	ug/L			11/17/11 16:41	20

Client Sample ID: MW-11-NP-1

Lab Sample ID: 600-45850-3

Date Collected: 11/09/11 10:25

Matrix: Water

Date Received: 11/10/11 15:11

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	5.6	U	20	5.6	ug/L			11/17/11 16:41	20
Trichloroethene	**410**		20	3.6	ug/L			11/17/11 16:41	20
Vinyl acetate	4.2	U	40	4.2	ug/L			11/17/11 16:41	20
o-Xylene	2.4	U	20	2.4	ug/L			11/17/11 16:41	20
m-Xylene & p-Xylene	3.4	U	20	3.4	ug/L			11/17/11 16:41	20
Xylenes, Total	5.2	U	20	5.2	ug/L			11/17/11 16:41	20
Bromodichloromethane	3.2	U	20	3.2	ug/L			11/17/11 16:41	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*110*		*70 - 130*		*11/17/11 16:41*	*20*
Dibromofluoromethane	*90*		*62 - 130*		*11/17/11 16:41*	*20*
4-Bromofluorobenzene	*83*		*67 - 139*		*11/17/11 16:41*	*20*
1,2-Dichloroethane-d4 (Surr)	*92*		*50 - 134*		*11/17/11 16:41*	*20*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	**1100**		200	28	ug/L			11/16/11 20:00	200
trans-1,2-Dichloroethene	**820**		200	18	ug/L			11/16/11 20:00	200
Vinyl chloride	**8000**		400	22	ug/L			11/16/11 20:00	200
cis-1,2-Dichloroethene	**1800**		200	12	ug/L			11/16/11 20:00	200
1,2-Dichloroethene, Total	**2600**		200	60	ug/L			11/16/11 20:00	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*127*		*70 - 130*		*11/16/11 20:00*	*200*
Dibromofluoromethane	*82*		*62 - 130*		*11/16/11 20:00*	*200*
4-Bromofluorobenzene	*95*		*67 - 139*		*11/16/11 20:00*	*200*
1,2-Dichloroethane-d4 (Surr)	*81*		*50 - 134*		*11/16/11 20:00*	*200*

Client Sample ID: MW-40-NP-1

Lab Sample ID: 600-45850-4

Date Collected: 11/09/11 10:35

Matrix: Water

Date Received: 11/10/11 15:11

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	50	9.9	ug/L			11/17/11 12:44	10
Benzene	**77**		10	0.80	ug/L			11/17/11 12:44	10
Chlorobromomethane	1.8	U	10	1.8	ug/L			11/17/11 12:44	10
Bromoform	1.9	U	10	1.9	ug/L			11/17/11 12:44	10
Bromomethane	2.5	U	20	2.5	ug/L			11/17/11 12:44	10
2-Butanone (MEK)	7.6	U	20	7.6	ug/L			11/17/11 12:44	10
Carbon disulfide	2.4	U	20	2.4	ug/L			11/17/11 12:44	10
Carbon tetrachloride	1.5	U	10	1.5	ug/L			11/17/11 12:44	10
Dibromochloromethane	1.5	U	10	1.5	ug/L			11/17/11 12:44	10
Chlorobenzene	**280**		10	1.2	ug/L			11/17/11 12:44	10
Chloroethane	0.80	U	20	0.80	ug/L			11/17/11 12:44	10
Chloroform	1.3	U	10	1.3	ug/L			11/17/11 12:44	10
Chloromethane	1.8	U	20	1.8	ug/L			11/17/11 12:44	10
1,1-Dichloroethane	**360**		10	1.1	ug/L			11/17/11 12:44	10
1,2-Dichloroethane	1.4	U	10	1.4	ug/L			11/17/11 12:44	10
1,1-Dichloroethene	1.9	U	10	1.9	ug/L			11/17/11 12:44	10

Client Sample ID: MW-40-NP-1

Lab Sample ID: 600-45850-4

Date Collected: 11/09/11 10:35

Matrix: Water

Date Received: 11/10/11 15:11

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	**12**		10	0.90	ug/L			11/17/11 12:44	10
1,2-Dichloropropane	1.6	U	10	1.6	ug/L			11/17/11 12:44	10
cis-1,3-Dichloropropene	1.8	U	10	1.8	ug/L			11/17/11 12:44	10
trans-1,3-Dichloropropene	2.1	U	10	2.1	ug/L			11/17/11 12:44	10
Ethylbenzene	**97**		10	1.1	ug/L			11/17/11 12:44	10
2-Hexanone	3.5	U	20	3.5	ug/L			11/17/11 12:44	10
Methylene Chloride	1.5	U	50	1.5	ug/L			11/17/11 12:44	10
4-Methyl-2-pentanone (MIBK)	4.5	U	20	4.5	ug/L			11/17/11 12:44	10
Styrene	**1.3**	**J**	10	0.70	ug/L			11/17/11 12:44	10
1,1,2,2-Tetrachloroethane	2.2	U	10	2.2	ug/L			11/17/11 12:44	10
Tetrachloroethene	1.3	U	10	1.3	ug/L			11/17/11 12:44	10
Toluene	**20**		10	1.5	ug/L			11/17/11 12:44	10
1,1,1-Trichloroethane	1.5	U	10	1.5	ug/L			11/17/11 12:44	10
1,1,2-Trichloroethane	2.8	U	10	2.8	ug/L			11/17/11 12:44	10
Trichloroethene	**4.4**	**J**	10	1.8	ug/L			11/17/11 12:44	10
Vinyl acetate	2.1	U	20	2.1	ug/L			11/17/11 12:44	10
Vinyl chloride	**280**		20	1.1	ug/L			11/17/11 12:44	10
o-Xylene	1.2	U	10	1.2	ug/L			11/17/11 12:44	10
m-Xylene & p-Xylene	**1.8**	**J**	10	1.7	ug/L			11/17/11 12:44	10
Xylenes, Total	2.6	U	10	2.6	ug/L			11/17/11 12:44	10
cis-1,2-Dichloroethene	**4.5**	**J**	10	0.60	ug/L			11/17/11 12:44	10
Bromodichloromethane	1.6	U	10	1.6	ug/L			11/17/11 12:44	10
1,2-Dichloroethene, Total	**17**		10	3.0	ug/L			11/17/11 12:44	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*111*		*70 - 130*		*11/17/11 12:44*	*10*
Dibromofluoromethane	*88*		*62 - 130*		*11/17/11 12:44*	*10*
4-Bromofluorobenzene	*82*		*67 - 139*		*11/17/11 12:44*	*10*
1,2-Dichloroethane-d4 (Surr)	*97*		*50 - 134*		*11/17/11 12:44*	*10*

Client Sample ID: MW-68-NP-1

Lab Sample ID: 600-45850-5

Date Collected: 11/09/11 10:45

Matrix: Water

Date Received: 11/10/11 15:11

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	50	9.9	ug/L			11/17/11 15:45	10
Benzene	**52**		10	0.80	ug/L			11/17/11 15:45	10
Chlorobromomethane	1.8	U	10	1.8	ug/L			11/17/11 15:45	10
Bromoform	1.9	U	10	1.9	ug/L			11/17/11 15:45	10
Bromomethane	2.5	U	20	2.5	ug/L			11/17/11 15:45	10
2-Butanone (MEK)	7.6	U	20	7.6	ug/L			11/17/11 15:45	10
Carbon disulfide	2.4	U	20	2.4	ug/L			11/17/11 15:45	10
Carbon tetrachloride	1.5	U	10	1.5	ug/L			11/17/11 15:45	10
Dibromochloromethane	1.5	U	10	1.5	ug/L			11/17/11 15:45	10
Chlorobenzene	**42**		10	1.2	ug/L			11/17/11 15:45	10
Chloroethane	0.80	U	20	0.80	ug/L			11/17/11 15:45	10
Chloroform	1.3	U	10	1.3	ug/L			11/17/11 15:45	10
Chloromethane	1.8	U	20	1.8	ug/L			11/17/11 15:45	10
1,1-Dichloroethane	**150**		10	1.1	ug/L			11/17/11 15:45	10

Client Sample ID: MW-68-NP-1

Lab Sample ID: 600-45850-5

Date Collected: 11/09/11 10:45

Matrix: Water

Date Received: 11/10/11 15:11

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	1.4	U	10	1.4	ug/L			11/17/11 15:45	10
1,1-Dichloroethene	1.9	U	10	1.9	ug/L			11/17/11 15:45	10
trans-1,2-Dichloroethene	**100**		10	0.90	ug/L			11/17/11 15:45	10
1,2-Dichloropropane	1.6	U	10	1.6	ug/L			11/17/11 15:45	10
cis-1,3-Dichloropropene	1.8	U	10	1.8	ug/L			11/17/11 15:45	10
trans-1,3-Dichloropropene	2.1	U	10	2.1	ug/L			11/17/11 15:45	10
Ethylbenzene	**140**		10	1.1	ug/L			11/17/11 15:45	10
2-Hexanone	3.5	U	20	3.5	ug/L			11/17/11 15:45	10
Methylene Chloride	**1.5**	**J B**	50	1.5	ug/L			11/17/11 15:45	10
4-Methyl-2-pentanone (MIBK)	4.5	U	20	4.5	ug/L			11/17/11 15:45	10
Styrene	0.70	U	10	0.70	ug/L			11/17/11 15:45	10
1,1,2,2-Tetrachloroethane	2.2	U	10	2.2	ug/L			11/17/11 15:45	10
Tetrachloroethene	1.3	U	10	1.3	ug/L			11/17/11 15:45	10
Toluene	**18**		10	1.5	ug/L			11/17/11 15:45	10
1,1,1-Trichloroethane	1.5	U	10	1.5	ug/L			11/17/11 15:45	10
1,1,2-Trichloroethane	2.8	U	10	2.8	ug/L			11/17/11 15:45	10
Trichloroethene	1.8	U	10	1.8	ug/L			11/17/11 15:45	10
Vinyl acetate	2.1	U	20	2.1	ug/L			11/17/11 15:45	10
o-Xylene	1.2	U	10	1.2	ug/L			11/17/11 15:45	10
m-Xylene & p-Xylene	1.7	U	10	1.7	ug/L			11/17/11 15:45	10
Xylenes, Total	2.6	U	10	2.6	ug/L			11/17/11 15:45	10
cis-1,2-Dichloroethene	**5.6**	**J**	10	0.60	ug/L			11/17/11 15:45	10
Bromodichloromethane	1.6	U	10	1.6	ug/L			11/17/11 15:45	10
1,2-Dichloroethene, Total	**110**		10	3.0	ug/L			11/17/11 15:45	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*110*		*70 - 130*		*11/17/11 15:45*	*10*
Dibromofluoromethane	*90*		*62 - 130*		*11/17/11 15:45*	*10*
4-Bromofluorobenzene	*84*		*67 - 139*		*11/17/11 15:45*	*10*
1,2-Dichloroethane-d4 (Surr)	*92*		*50 - 134*		*11/17/11 15:45*	*10*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**1200**		400	22	ug/L			11/16/11 21:02	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*125*		*70 - 130*		*11/16/11 21:02*	*200*
Dibromofluoromethane	*75*		*62 - 130*		*11/16/11 21:02*	*200*
4-Bromofluorobenzene	*101*		*67 - 139*		*11/16/11 21:02*	*200*
1,2-Dichloroethane-d4 (Surr)	*76*		*50 - 134*		*11/16/11 21:02*	*200*

Client Sample ID: MW-66-NP-1

Lab Sample ID: 600-45850-6

Date Collected: 11/09/11 10:55

Matrix: Water

Date Received: 11/10/11 15:11

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	200	U	1000	200	ug/L			11/16/11 21:33	200
Benzene	**4200**		200	16	ug/L			11/16/11 21:33	200
Chlorobromomethane	36	U	200	36	ug/L			11/16/11 21:33	200

Client: Groundwater Services, Inc.
Project/Site: G-3460 N80

TestAmerica Job ID: 600-45850-1

Client Sample ID: MW-66-NP-1
Date Collected: 11/09/11 10:55
Date Received: 11/10/11 15:11

Lab Sample ID: 600-45850-6
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	38	U	200	38	ug/L			11/16/11 21:33	200
Bromomethane	50	U	400	50	ug/L			11/16/11 21:33	200
2-Butanone (MEK)	150	U	400	150	ug/L			11/16/11 21:33	200
Carbon disulfide	48	U	400	48	ug/L			11/16/11 21:33	200
Carbon tetrachloride	30	U	200	30	ug/L			11/16/11 21:33	200
Dibromochloromethane	30	U	200	30	ug/L			11/16/11 21:33	200
Chlorobenzene	**1600**		200	24	ug/L			11/16/11 21:33	200
Chloroethane	16	U	400	16	ug/L			11/16/11 21:33	200
Chloroform	26	U	200	26	ug/L			11/16/11 21:33	200
Chloromethane	36	U	400	36	ug/L			11/16/11 21:33	200
1,1-Dichloroethane	**2200**		200	22	ug/L			11/16/11 21:33	200
1,1-Dichloroethene	**1900**		200	38	ug/L			11/16/11 21:33	200
trans-1,2-Dichloroethene	**3100**		200	18	ug/L			11/16/11 21:33	200
1,2-Dichloropropane	32	U	200	32	ug/L			11/16/11 21:33	200
cis-1,3-Dichloropropene	36	U	200	36	ug/L			11/16/11 21:33	200
trans-1,3-Dichloropropene	42	U	200	42	ug/L			11/16/11 21:33	200
Ethylbenzene	**3400**		200	22	ug/L			11/16/11 21:33	200
2-Hexanone	70	U	400	70	ug/L			11/16/11 21:33	200
Methylene Chloride	30	U	1000	30	ug/L			11/16/11 21:33	200
4-Methyl-2-pentanone (MIBK)	90	U	400	90	ug/L			11/16/11 21:33	200
Styrene	**940**		200	14	ug/L			11/16/11 21:33	200
1,1,2,2-Tetrachloroethane	44	U	200	44	ug/L			11/16/11 21:33	200
Tetrachloroethene	**230**		200	26	ug/L			11/16/11 21:33	200
Toluene	**2100**		200	30	ug/L			11/16/11 21:33	200
1,1,1-Trichloroethane	30	U	200	30	ug/L			11/16/11 21:33	200
Trichloroethene	**1000**		200	36	ug/L			11/16/11 21:33	200
Vinyl acetate	42	U	400	42	ug/L			11/16/11 21:33	200
o-Xylene	24	U	200	24	ug/L			11/16/11 21:33	200
m-Xylene & p-Xylene	**45**	**J**	200	34	ug/L			11/16/11 21:33	200
Xylenes, Total	52	U	200	52	ug/L			11/16/11 21:33	200
cis-1,2-Dichloroethene	**1500**		200	12	ug/L			11/16/11 21:33	200
Bromodichloromethane	32	U	200	32	ug/L			11/16/11 21:33	200
1,2-Dichloroethene, Total	**4600**		200	60	ug/L			11/16/11 21:33	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*120*		*70 - 130*		*11/16/11 21:33*	*200*
Dibromofluoromethane	*77*		*62 - 130*		*11/16/11 21:33*	*200*
4-Bromofluorobenzene	*100*		*67 - 139*		*11/16/11 21:33*	*200*
1,2-Dichloroethane-d4 (Surr)	*73*		*50 - 134*		*11/16/11 21:33*	*200*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	**160000**		10000	1400	ug/L			11/17/11 13:12	10000
1,1,2-Trichloroethane	**56000**		10000	2800	ug/L			11/17/11 13:12	10000
Vinyl chloride	**78000**		20000	1100	ug/L			11/17/11 13:12	10000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*113*		*70 - 130*		*11/17/11 13:12*	*10000*
Dibromofluoromethane	*90*		*62 - 130*		*11/17/11 13:12*	*10000*
4-Bromofluorobenzene	*84*		*67 - 139*		*11/17/11 13:12*	*10000*
1,2-Dichloroethane-d4 (Surr)	*92*		*50 - 134*		*11/17/11 13:12*	*10000*

Client Sample Results

Client: Groundwater Services, Inc.
Project/Site: G-3460 N80

TestAmerica Job ID: 600-45850-1

Client Sample ID: MW-4-NP-1

Date Collected: 11/09/11 11:05
Date Received: 11/10/11 15:11

Lab Sample ID: 600-45850-7

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	200	U	1000	200	ug/L			11/16/11 22:04	200
Benzene	**4300**		200	16	ug/L			11/16/11 22:04	200
Chlorobromomethane	36	U	200	36	ug/L			11/16/11 22:04	200
Bromoform	38	U	200	38	ug/L			11/16/11 22:04	200
Bromomethane	50	U	400	50	ug/L			11/16/11 22:04	200
2-Butanone (MEK)	150	U	400	150	ug/L			11/16/11 22:04	200
Carbon disulfide	48	U	400	48	ug/L			11/16/11 22:04	200
Carbon tetrachloride	30	U	200	30	ug/L			11/16/11 22:04	200
Dibromochloromethane	30	U	200	30	ug/L			11/16/11 22:04	200
Chlorobenzene	**1300**		200	24	ug/L			11/16/11 22:04	200
Chloroethane	16	U	400	16	ug/L			11/16/11 22:04	200
Chloroform	26	U	200	26	ug/L			11/16/11 22:04	200
Chloromethane	36	U	400	36	ug/L			11/16/11 22:04	200
1,1-Dichloroethane	**3900**		200	22	ug/L			11/16/11 22:04	200
1,1-Dichloroethene	**8100**		200	38	ug/L			11/16/11 22:04	200
trans-1,2-Dichloroethene	**8200**		200	18	ug/L			11/16/11 22:04	200
1,2-Dichloropropane	32	U	200	32	ug/L			11/16/11 22:04	200
cis-1,3-Dichloropropene	36	U	200	36	ug/L			11/16/11 22:04	200
trans-1,3-Dichloropropene	42	U	200	42	ug/L			11/16/11 22:04	200
Ethylbenzene	**790**		200	22	ug/L			11/16/11 22:04	200
2-Hexanone	70	U	400	70	ug/L			11/16/11 22:04	200
Methylene Chloride	30	U	1000	30	ug/L			11/16/11 22:04	200
4-Methyl-2-pentanone (MIBK)	90	U	400	90	ug/L			11/16/11 22:04	200
Styrene	14	U	200	14	ug/L			11/16/11 22:04	200
1,1,2,2-Tetrachloroethane	44	U	200	44	ug/L			11/16/11 22:04	200
Tetrachloroethene	**520**		200	26	ug/L			11/16/11 22:04	200
Toluene	**320**		200	30	ug/L			11/16/11 22:04	200
1,1,1-Trichloroethane	30	U	200	30	ug/L			11/16/11 22:04	200
1,1,2-Trichloroethane	**930**		200	56	ug/L			11/16/11 22:04	200
Trichloroethene	**2000**		200	36	ug/L			11/16/11 22:04	200
Vinyl acetate	42	U	400	42	ug/L			11/16/11 22:04	200
o-Xylene	24	U	200	24	ug/L			11/16/11 22:04	200
m-Xylene & p-Xylene	**48**	**J**	200	34	ug/L			11/16/11 22:04	200
Xylenes, Total	52	U	200	52	ug/L			11/16/11 22:04	200
cis-1,2-Dichloroethene	**4700**		200	12	ug/L			11/16/11 22:04	200
Bromodichloromethane	32	U	200	32	ug/L			11/16/11 22:04	200
1,2-Dichloroethene, Total	**13000**		200	60	ug/L			11/16/11 22:04	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*122*		*70 - 130*		*11/16/11 22:04*	*200*
Dibromofluoromethane	*79*		*62 - 130*		*11/16/11 22:04*	*200*
4-Bromofluorobenzene	*98*		*67 - 139*		*11/16/11 22:04*	*200*
1,2-Dichloroethane-d4 (Surr)	*77*		*50 - 134*		*11/16/11 22:04*	*200*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	**96000**		10000	1400	ug/L			11/17/11 13:41	10000
Vinyl chloride	**170000**		20000	1100	ug/L			11/17/11 13:41	10000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*113*		*70 - 130*		*11/17/11 13:41*	*10000*

Client Sample ID: MW-4-NP-1

Lab Sample ID: 600-45850-7

Date Collected: 11/09/11 11:05
Matrix: Water
Date Received: 11/10/11 15:11

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*91*		*62 - 130*		*11/17/11 13:41*	*10000*
4-Bromofluorobenzene	*84*		*67 - 139*		*11/17/11 13:41*	*10000*
1,2-Dichloroethane-d4 (Surr)	*91*		*50 - 134*		*11/17/11 13:41*	*10000*

Client Sample ID: MW-65-NP-1

Lab Sample ID: 600-45850-8

Date Collected: 11/09/11 11:15
Matrix: Water
Date Received: 11/10/11 15:11

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	200	U	1000	200	ug/L			11/16/11 22:34	200
Benzene	**3000**		200	16	ug/L			11/16/11 22:34	200
Chlorobromomethane	36	U	200	36	ug/L			11/16/11 22:34	200
Bromoform	38	U	200	38	ug/L			11/16/11 22:34	200
Bromomethane	50	U	400	50	ug/L			11/16/11 22:34	200
2-Butanone (MEK)	150	U	400	150	ug/L			11/16/11 22:34	200
Carbon disulfide	48	U	400	48	ug/L			11/16/11 22:34	200
Carbon tetrachloride	30	U	200	30	ug/L			11/16/11 22:34	200
Dibromochloromethane	30	U	200	30	ug/L			11/16/11 22:34	200
Chlorobenzene	**1600**		200	24	ug/L			11/16/11 22:34	200
Chloroethane	16	U	400	16	ug/L			11/16/11 22:34	200
Chloroform	**52**	**J**	200	26	ug/L			11/16/11 22:34	200
Chloromethane	36	U	400	36	ug/L			11/16/11 22:34	200
1,1-Dichloroethane	**2200**		200	22	ug/L			11/16/11 22:34	200
1,2-Dichloroethane	**950**		200	28	ug/L			11/16/11 22:34	200
1,1-Dichloroethene	**1500**		200	38	ug/L			11/16/11 22:34	200
trans-1,2-Dichloroethene	**5100**		200	18	ug/L			11/16/11 22:34	200
1,2-Dichloropropane	32	U	200	32	ug/L			11/16/11 22:34	200
cis-1,3-Dichloropropene	36	U	200	36	ug/L			11/16/11 22:34	200
trans-1,3-Dichloropropene	42	U	200	42	ug/L			11/16/11 22:34	200
Ethylbenzene	**940**		200	22	ug/L			11/16/11 22:34	200
2-Hexanone	70	U	400	70	ug/L			11/16/11 22:34	200
Methylene Chloride	30	U	1000	30	ug/L			11/16/11 22:34	200
4-Methyl-2-pentanone (MIBK)	90	U	400	90	ug/L			11/16/11 22:34	200
Styrene	**38**	**J**	200	14	ug/L			11/16/11 22:34	200
1,1,2,2-Tetrachloroethane	44	U	200	44	ug/L			11/16/11 22:34	200
Tetrachloroethene	**160**	**J**	200	26	ug/L			11/16/11 22:34	200
Toluene	**320**		200	30	ug/L			11/16/11 22:34	200
1,1,1-Trichloroethane	30	U	200	30	ug/L			11/16/11 22:34	200
1,1,2-Trichloroethane	56	U	200	56	ug/L			11/16/11 22:34	200
Trichloroethene	**530**		200	36	ug/L			11/16/11 22:34	200
Vinyl acetate	42	U	400	42	ug/L			11/16/11 22:34	200
o-Xylene	**31**	**J**	200	24	ug/L			11/16/11 22:34	200
m-Xylene & p-Xylene	**65**	**J**	200	34	ug/L			11/16/11 22:34	200
Xylenes, Total	**96**	**J**	200	52	ug/L			11/16/11 22:34	200
cis-1,2-Dichloroethene	**730**		200	12	ug/L			11/16/11 22:34	200
Bromodichloromethane	32	U	200	32	ug/L			11/16/11 22:34	200
1,2-Dichloroethene, Total	**5800**		200	60	ug/L			11/16/11 22:34	200

Client Sample ID: MW-65-NP-1

Lab Sample ID: 600-45850-8

Date Collected: 11/09/11 11:15
Date Received: 11/10/11 15:11

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	128		70 - 130		11/16/11 22:34	200
Dibromofluoromethane	81		62 - 130		11/16/11 22:34	200
4-Bromofluorobenzene	98		67 - 139		11/16/11 22:34	200
1,2-Dichloroethane-d4 (Surr)	85		50 - 134		11/16/11 22:34	200

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**120000**		20000	1100	ug/L			11/17/11 14:09	10000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	113		70 - 130		11/17/11 14:09	10000
Dibromofluoromethane	88		62 - 130		11/17/11 14:09	10000
4-Bromofluorobenzene	86		67 - 139		11/17/11 14:09	10000
1,2-Dichloroethane-d4 (Surr)	91		50 - 134		11/17/11 14:09	10000

Client Sample ID: DUP-NP-1

Lab Sample ID: 600-45850-9

Date Collected: 11/09/11 00:00
Date Received: 11/10/11 15:11

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	50	9.9	ug/L			11/17/11 11:47	10
Benzene	**39**		10	0.80	ug/L			11/17/11 11:47	10
Chlorobromomethane	1.8	U	10	1.8	ug/L			11/17/11 11:47	10
Bromoform	1.9	U	10	1.9	ug/L			11/17/11 11:47	10
Bromomethane	2.5	U	20	2.5	ug/L			11/17/11 11:47	10
2-Butanone (MEK)	7.6	U	20	7.6	ug/L			11/17/11 11:47	10
Carbon disulfide	2.4	U	20	2.4	ug/L			11/17/11 11:47	10
Carbon tetrachloride	1.5	U	10	1.5	ug/L			11/17/11 11:47	10
Dibromochloromethane	1.5	U	10	1.5	ug/L			11/17/11 11:47	10
Chlorobenzene	**33**		10	1.2	ug/L			11/17/11 11:47	10
Chloroethane	0.80	U	20	0.80	ug/L			11/17/11 11:47	10
Chloroform	1.3	U	10	1.3	ug/L			11/17/11 11:47	10
Chloromethane	1.8	U	20	1.8	ug/L			11/17/11 11:47	10
1,1-Dichloroethane	**150**		10	1.1	ug/L			11/17/11 11:47	10
1,2-Dichloroethane	1.4	U	10	1.4	ug/L			11/17/11 11:47	10
1,1-Dichloroethene	**21**		10	1.9	ug/L			11/17/11 11:47	10
trans-1,2-Dichloroethene	**76**		10	0.90	ug/L			11/17/11 11:47	10
1,2-Dichloropropane	1.6	U	10	1.6	ug/L			11/17/11 11:47	10
cis-1,3-Dichloropropene	1.8	U	10	1.8	ug/L			11/17/11 11:47	10
trans-1,3-Dichloropropene	2.1	U	10	2.1	ug/L			11/17/11 11:47	10
Ethylbenzene	**69**		10	1.1	ug/L			11/17/11 11:47	10
2-Hexanone	3.5	U	20	3.5	ug/L			11/17/11 11:47	10
Methylene Chloride	**2.7**	**J B**	50	1.5	ug/L			11/17/11 11:47	10
4-Methyl-2-pentanone (MIBK)	4.5	U	20	4.5	ug/L			11/17/11 11:47	10
Styrene	0.70	U	10	0.70	ug/L			11/17/11 11:47	10
1,1,2,2-Tetrachloroethane	2.2	U	10	2.2	ug/L			11/17/11 11:47	10
Tetrachloroethene	1.3	U	10	1.3	ug/L			11/17/11 11:47	10
Toluene	**11**		10	1.5	ug/L			11/17/11 11:47	10
1,1,1-Trichloroethane	1.5	U	10	1.5	ug/L			11/17/11 11:47	10

Client Sample ID: DUP-NP-1

Lab Sample ID: 600-45850-9

Date Collected: 11/09/11 00:00

Matrix: Water

Date Received: 11/10/11 15:11

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	2.8	U	10	2.8	ug/L			11/17/11 11:47	10
Trichloroethene	1.8	U	10	1.8	ug/L			11/17/11 11:47	10
Vinyl acetate	2.1	U	20	2.1	ug/L			11/17/11 11:47	10
Vinyl chloride	**1300**		400	22	ug/L			11/16/11 23:05	200
o-Xylene	1.2	U	10	1.2	ug/L			11/17/11 11:47	10
m-Xylene & p-Xylene	1.7	U	10	1.7	ug/L			11/17/11 11:47	10
Xylenes, Total	2.6	U	10	2.6	ug/L			11/17/11 11:47	10
cis-1,2-Dichloroethene	**3.2**	**J**	10	0.60	ug/L			11/17/11 11:47	10
Bromodichloromethane	1.6	U	10	1.6	ug/L			11/17/11 11:47	10
1,2-Dichloroethene, Total	**79**		10	3.0	ug/L			11/17/11 11:47	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*124*		*70 - 130*		*11/16/11 23:05*	*200*
Toluene-d8 (Surr)	*113*		*70 - 130*		*11/17/11 11:47*	*10*
Dibromofluoromethane	*77*		*62 - 130*		*11/16/11 23:05*	*200*
Dibromofluoromethane	*90*		*62 - 130*		*11/17/11 11:47*	*10*
4-Bromofluorobenzene	*98*		*67 - 139*		*11/16/11 23:05*	*200*
4-Bromofluorobenzene	*84*		*67 - 139*		*11/17/11 11:47*	*10*
1,2-Dichloroethane-d4 (Surr)	*76*		*50 - 134*		*11/16/11 23:05*	*200*
1,2-Dichloroethane-d4 (Surr)	*94*		*50 - 134*		*11/17/11 11:47*	*10*

Client Sample ID: Trip Blank

Lab Sample ID: 600-45850-10

Date Collected: 11/09/11 00:00

Matrix: Water

Date Received: 11/10/11 15:11

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			11/16/11 16:57	1
Benzene	0.080	U	1.0	0.080	ug/L			11/16/11 16:57	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			11/16/11 16:57	1
Bromoform	0.19	U	1.0	0.19	ug/L			11/16/11 16:57	1
Bromomethane	0.25	U	2.0	0.25	ug/L			11/16/11 16:57	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			11/16/11 16:57	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			11/16/11 16:57	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			11/16/11 16:57	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			11/16/11 16:57	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			11/16/11 16:57	1
Chloroethane	0.080	U	2.0	0.080	ug/L			11/16/11 16:57	1
Chloroform	0.13	U	1.0	0.13	ug/L			11/16/11 16:57	1
Chloromethane	0.18	U	2.0	0.18	ug/L			11/16/11 16:57	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			11/16/11 16:57	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			11/16/11 16:57	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			11/16/11 16:57	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			11/16/11 16:57	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			11/16/11 16:57	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			11/16/11 16:57	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			11/16/11 16:57	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			11/16/11 16:57	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			11/16/11 16:57	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			11/16/11 16:57	1

Client Sample Results

Client: Groundwater Services, Inc.
Project/Site: G-3460 N80

TestAmerica Job ID: 600-45850-1

Client Sample ID: Trip Blank

Date Collected: 11/09/11 00:00
Date Received: 11/10/11 15:11

Lab Sample ID: 600-45850-10

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			11/16/11 16:57	1
Styrene	0.070	U	1.0	0.070	ug/L			11/16/11 16:57	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			11/16/11 16:57	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			11/16/11 16:57	1
Toluene	0.15	U	1.0	0.15	ug/L			11/16/11 16:57	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			11/16/11 16:57	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			11/16/11 16:57	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			11/16/11 16:57	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			11/16/11 16:57	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			11/16/11 16:57	1
o-Xylene	0.12	U	1.0	0.12	ug/L			11/16/11 16:57	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			11/16/11 16:57	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			11/16/11 16:57	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			11/16/11 16:57	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			11/16/11 16:57	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			11/16/11 16:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*125*		*70 - 130*		*11/16/11 16:57*	*1*
Dibromofluoromethane	*82*		*62 - 130*		*11/16/11 16:57*	*1*
4-Bromofluorobenzene	*102*		*67 - 139*		*11/16/11 16:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*76*		*50 - 134*		*11/16/11 16:57*	*1*

Surrogate Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N80

TestAmerica Job ID: 600-45850-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DBFM	BFB	12DCE
Lab Sample ID	Client Sample ID	(70-130)	(62-130)	(67-139)	(50-134)
600-45850-1 - DL	MW-71-NP-1	127	83	101	79
600-45850-1	MW-71-NP-1	110	90	82	97
600-45850-1 MS - DL2	MW-71-NP-1	123	82	97	82
600-45850-1 MSD - DL2	MW-71-NP-1	128	82	101	82
600-45850-2 - DL	MW-8-NP-1	123	83	106	79
600-45850-2	MW-8-NP-1	114	88	83	89
600-45850-3 - DL	MW-11-NP-1	127	82	95	81
600-45850-3	MW-11-NP-1	110	90	83	92
600-45850-4	MW-40-NP-1	111	88	82	97
600-45850-5 - DL	MW-68-NP-1	125	75	101	76
600-45850-5	MW-68-NP-1	110	90	84	92
600-45850-6	MW-66-NP-1	120	77	100	73
600-45850-6 - DL	MW-66-NP-1	113	90	84	92
600-45850-6 MS - DL	MW-66-NP-1	106	98	88	97
600-45850-6 MSD - DL	MW-66-NP-1	104	95	90	96
600-45850-7	MW-4-NP-1	122	79	98	77
600-45850-7 - DL	MW-4-NP-1	113	91	84	91
600-45850-8	MW-65-NP-1	128	81	98	85
600-45850-8 - DL	MW-65-NP-1	113	88	86	91
600-45850-9	DUP-NP-1	124	77	98	76
600-45850-9	DUP-NP-1	113	90	84	94
600-45850-10	Trip Blank	125	82	102	76
LCS 600-66581/3	Lab Control Sample	127	91	110	95
LCS 600-66626/3	Lab Control Sample	110	102	92	99
MB 600-66581/4	Method Blank	125	83	99	83
MB 600-66626/4	Method Blank	113	87	84	93

Surrogate Legend

TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane
BFB = 4-Bromofluorobenzene
12DCE = 1,2-Dichloroethane-d4 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 600-66581/4
Matrix: Water
Analysis Batch: 66581

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			11/16/11 14:54	1
Benzene	0.080	U	1.0	0.080	ug/L			11/16/11 14:54	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			11/16/11 14:54	1
Bromoform	0.19	U	1.0	0.19	ug/L			11/16/11 14:54	1
Bromomethane	0.25	U	2.0	0.25	ug/L			11/16/11 14:54	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			11/16/11 14:54	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			11/16/11 14:54	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			11/16/11 14:54	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			11/16/11 14:54	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			11/16/11 14:54	1
Chloroethane	0.080	U	2.0	0.080	ug/L			11/16/11 14:54	1
Chloroform	0.13	U	1.0	0.13	ug/L			11/16/11 14:54	1
Chloromethane	0.18	U	2.0	0.18	ug/L			11/16/11 14:54	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			11/16/11 14:54	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			11/16/11 14:54	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			11/16/11 14:54	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			11/16/11 14:54	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			11/16/11 14:54	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			11/16/11 14:54	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			11/16/11 14:54	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			11/16/11 14:54	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			11/16/11 14:54	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			11/16/11 14:54	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			11/16/11 14:54	1
Styrene	0.070	U	1.0	0.070	ug/L			11/16/11 14:54	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			11/16/11 14:54	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			11/16/11 14:54	1
Toluene	0.15	U	1.0	0.15	ug/L			11/16/11 14:54	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			11/16/11 14:54	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			11/16/11 14:54	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			11/16/11 14:54	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			11/16/11 14:54	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			11/16/11 14:54	1
o-Xylene	0.12	U	1.0	0.12	ug/L			11/16/11 14:54	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			11/16/11 14:54	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			11/16/11 14:54	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			11/16/11 14:54	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			11/16/11 14:54	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			11/16/11 14:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*125*		*70 - 130*		*11/16/11 14:54*	*1*
Dibromofluoromethane	*83*		*62 - 130*		*11/16/11 14:54*	*1*
4-Bromofluorobenzene	*99*		*67 - 139*		*11/16/11 14:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*83*		*50 - 134*		*11/16/11 14:54*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-66581/3
Matrix: Water
Analysis Batch: 66581

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	9.69		ug/L		48	28 - 152
Benzene	10.0	9.71		ug/L		97	69 - 131
Chlorobromomethane	10.0	9.09		ug/L		91	60 - 141
Bromoform	10.0	9.26		ug/L		93	39 - 149
Bromomethane	10.0	6.36		ug/L		64	52 - 146
2-Butanone (MEK)	20.0	16.1		ug/L		81	59 - 133
Carbon disulfide	10.0	9.83		ug/L		98	32 - 177
Carbon tetrachloride	10.0	11.2		ug/L		112	59 - 147
Dibromochloromethane	10.0	12.3		ug/L		123	58 - 132
Chlorobenzene	10.0	11.2		ug/L		112	60 - 136
Chloroethane	10.0	7.12		ug/L		71	56 - 144
Chloroform	10.0	9.70		ug/L		97	69 - 128
Chloromethane	10.0	5.28		ug/L		53	32 - 151
1,1-Dichloroethane	10.0	8.38		ug/L		84	66 - 126
1,2-Dichloroethane	10.0	9.64		ug/L		96	66 - 140
1,1-Dichloroethene	10.0	9.99		ug/L		100	59 - 145
trans-1,2-Dichloroethene	10.0	8.71		ug/L		87	70 - 132
1,2-Dichloropropane	10.0	8.70		ug/L		87	72 - 125
cis-1,3-Dichloropropene	10.0	10.2		ug/L		102	60 - 135
trans-1,3-Dichloropropene	10.0	10.7		ug/L		107	63 - 133
Ethylbenzene	10.0	9.36		ug/L		94	68 - 128
2-Hexanone	20.0	21.2		ug/L		106	51 - 130
Methylene Chloride	10.0	7.55		ug/L		76	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	22.3		ug/L		111	56 - 142
Styrene	10.0	9.29		ug/L		93	68 - 133
1,1,2,2-Tetrachloroethane	10.0	8.81		ug/L		88	68 - 134
Tetrachloroethene	10.0	13.8		ug/L		138	61 - 142
Toluene	10.0	11.7		ug/L		117	67 - 130
1,1,1-Trichloroethane	10.0	9.51		ug/L		95	65 - 142
1,1,2-Trichloroethane	10.0	12.3		ug/L		123	68 - 130
Trichloroethene	10.0	12.0		ug/L		120	68 - 130
Vinyl acetate	10.0	6.96		ug/L		70	58 - 175
Vinyl chloride	10.0	5.51		ug/L		55	47 - 146
o-Xylene	10.0	9.36		ug/L		94	68 - 134
m-Xylene & p-Xylene	20.0	18.8		ug/L		94	67 - 132
Xylenes, Total	30.0	28.2		ug/L		94	68 - 132
cis-1,2-Dichloroethene	10.0	8.75		ug/L		88	69 - 129
Bromodichloromethane	10.0	9.30		ug/L		93	73 - 130
1,2-Dichloroethene, Total	20.0	17.5		ug/L		87	65 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*127*		*70 - 130*
Dibromofluoromethane	*91*		*62 - 130*
4-Bromofluorobenzene	*110*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*95*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 600-66626/4
Matrix: Water
Analysis Batch: 66626

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			11/17/11 11:18	1
Benzene	0.080	U	1.0	0.080	ug/L			11/17/11 11:18	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			11/17/11 11:18	1
Bromoform	0.19	U	1.0	0.19	ug/L			11/17/11 11:18	1
Bromomethane	0.25	U	2.0	0.25	ug/L			11/17/11 11:18	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			11/17/11 11:18	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			11/17/11 11:18	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			11/17/11 11:18	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			11/17/11 11:18	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			11/17/11 11:18	1
Chloroethane	0.080	U	2.0	0.080	ug/L			11/17/11 11:18	1
Chloroform	0.13	U	1.0	0.13	ug/L			11/17/11 11:18	1
Chloromethane	0.18	U	2.0	0.18	ug/L			11/17/11 11:18	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			11/17/11 11:18	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			11/17/11 11:18	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			11/17/11 11:18	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			11/17/11 11:18	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			11/17/11 11:18	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			11/17/11 11:18	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			11/17/11 11:18	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			11/17/11 11:18	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			11/17/11 11:18	1
Methylene Chloride	0.283	J	5.0	0.15	ug/L			11/17/11 11:18	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			11/17/11 11:18	1
Styrene	0.070	U	1.0	0.070	ug/L			11/17/11 11:18	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			11/17/11 11:18	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			11/17/11 11:18	1
Toluene	0.15	U	1.0	0.15	ug/L			11/17/11 11:18	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			11/17/11 11:18	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			11/17/11 11:18	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			11/17/11 11:18	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			11/17/11 11:18	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			11/17/11 11:18	1
o-Xylene	0.12	U	1.0	0.12	ug/L			11/17/11 11:18	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			11/17/11 11:18	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			11/17/11 11:18	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			11/17/11 11:18	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			11/17/11 11:18	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			11/17/11 11:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*113*		*70 - 130*		*11/17/11 11:18*	*1*
Dibromofluoromethane	*87*		*62 - 130*		*11/17/11 11:18*	*1*
4-Bromofluorobenzene	*84*		*67 - 139*		*11/17/11 11:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*50 - 134*		*11/17/11 11:18*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-66626/3
Matrix: Water
Analysis Batch: 66626

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	16.2		ug/L		81	28 - 152
Benzene	10.0	9.62		ug/L		96	69 - 131
Chlorobromomethane	10.0	8.51		ug/L		85	60 - 141
Bromoform	10.0	9.43		ug/L		94	39 - 149
Bromomethane	10.0	8.67		ug/L		87	52 - 146
2-Butanone (MEK)	20.0	14.9		ug/L		74	59 - 133
Carbon disulfide	10.0	8.34		ug/L		83	32 - 177
Carbon tetrachloride	10.0	12.7		ug/L		127	59 - 147
Dibromochloromethane	10.0	8.22		ug/L		82	58 - 132
Chlorobenzene	10.0	9.64		ug/L		96	60 - 136
Chloroethane	10.0	7.55		ug/L		76	56 - 144
Chloroform	10.0	9.96		ug/L		100	69 - 128
Chloromethane	10.0	6.86		ug/L		69	32 - 151
1,1-Dichloroethane	10.0	9.60		ug/L		96	66 - 126
1,2-Dichloroethane	10.0	11.2		ug/L		112	66 - 140
1,1-Dichloroethene	10.0	8.12		ug/L		81	59 - 145
trans-1,2-Dichloroethene	10.0	8.17		ug/L		82	70 - 132
1,2-Dichloropropane	10.0	9.34		ug/L		93	72 - 125
cis-1,3-Dichloropropene	10.0	9.23		ug/L		92	60 - 135
trans-1,3-Dichloropropene	10.0	10.9		ug/L		109	63 - 133
Ethylbenzene	10.0	10.8		ug/L		108	68 - 128
2-Hexanone	20.0	19.7		ug/L		98	51 - 130
Methylene Chloride	10.0	8.17		ug/L		82	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	18.8		ug/L		94	56 - 142
Styrene	10.0	10.5		ug/L		105	68 - 133
1,1,2,2-Tetrachloroethane	10.0	7.44		ug/L		74	68 - 134
Tetrachloroethene	10.0	12.2		ug/L		122	61 - 142
Toluene	10.0	9.83		ug/L		98	67 - 130
1,1,1-Trichloroethane	10.0	13.2		ug/L		132	65 - 142
1,1,2-Trichloroethane	10.0	8.96		ug/L		90	68 - 130
Trichloroethene	10.0	12.0		ug/L		120	68 - 130
Vinyl acetate	10.0	10.5		ug/L		105	58 - 175
Vinyl chloride	10.0	7.50		ug/L		75	47 - 146
o-Xylene	10.0	10.3		ug/L		103	68 - 134
m-Xylene & p-Xylene	20.0	21.7		ug/L		108	67 - 132
Xylenes, Total	30.0	32.0		ug/L		107	68 - 132
cis-1,2-Dichloroethene	10.0	8.23		ug/L		82	69 - 129
Bromodichloromethane	10.0	9.36		ug/L		94	73 - 130
1,2-Dichloroethene, Total	20.0	16.4		ug/L		82	65 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*110*		*70 - 130*
Dibromofluoromethane	*102*		*62 - 130*
4-Bromofluorobenzene	*92*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*99*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Lab Sample ID: 600-45850-6 MS
Matrix: Water
Analysis Batch: 66626

Client Sample ID: MW-66-NP-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone - DL	9900		200000	176000		ug/L		88	60 - 140
Benzene - DL	5000		100000	100000		ug/L		95	65 - 125
Chlorobromomethane - DL	1800		100000	82900		ug/L		83	60 - 140
Bromoform - DL	1900		100000	86100		ug/L		86	60 - 140
Bromomethane - DL	2500		100000	85300		ug/L		85	60 - 140
2-Butanone (MEK) - DL	7600		200000	163000		ug/L		82	60 - 140
Carbon disulfide - DL	2400		100000	75600		ug/L		76	60 - 140
Carbon tetrachloride - DL	1500		100000	125000		ug/L		125	60 - 140
Dibromochloromethane - DL	1500		100000	75900		ug/L		76	60 - 140
Chlorobenzene - DL	1900		100000	95800		ug/L		94	72 - 122
Chloroethane - DL	800		100000	74500		ug/L		75	60 - 140
Chloroform - DL	1300		100000	98700		ug/L		99	60 - 140
Chloromethane - DL	1800		100000	65300		ug/L		65	60 - 140
1,1-Dichloroethane - DL	3200		100000	97200		ug/L		94	60 - 140
1,2-Dichloroethane - DL	160000		100000	270000		ug/L		110	60 - 140
1,1-Dichloroethene - DL	1900		100000	83000		ug/L		83	22 - 143
trans-1,2-Dichloroethene - DL	3300		100000	82900		ug/L		80	60 - 140
1,2-Dichloropropane - DL	1600		100000	89500		ug/L		89	60 - 140
cis-1,3-Dichloropropene - DL	1800		100000	83400		ug/L		83	60 - 140
trans-1,3-Dichloropropene - DL	2100		100000	109000		ug/L		109	60 - 140
Ethylbenzene - DL	3900		100000	112000		ug/L		108	60 - 140
2-Hexanone - DL	3500		200000	197000		ug/L		99	60 - 140
Methylene Chloride - DL	2900		100000	86400		ug/L		83	60 - 140
4-Methyl-2-pentanone (MIBK) - DL	4500		200000	188000		ug/L		94	60 - 140
Styrene - DL	700		100000	104000		ug/L		104	60 - 140
1,1,2,2-Tetrachloroethane - DL	2200		100000	73100		ug/L		73	60 - 140
Tetrachloroethene - DL	1300		100000	118000		ug/L		118	60 - 140
Toluene - DL	2000		100000	97300		ug/L		95	76 - 125
1,1,1-Trichloroethane - DL	1500		100000	134000		ug/L		134	60 - 140
1,1,2-Trichloroethane - DL	56000		100000	135000		ug/L		79	60 - 140
Trichloroethene - DL	1800		100000	123000	F	ug/L		123	56 - 118
Vinyl acetate - DL	2100		100000	100000		ug/L		100	60 - 140
Vinyl chloride - DL	78000		100000	121000	F	ug/L		43	60 - 140
o-Xylene - DL	1200		100000	102000		ug/L		102	60 - 140
m-Xylene & p-Xylene - DL	1700		200000	216000		ug/L		108	60 - 140
Xylenes, Total - DL	2600		300000	318000		ug/L		106	60 - 140
cis-1,2-Dichloroethene - DL	600		100000	79500		ug/L		80	60 - 140
Bromodichloromethane - DL	1600		100000	88600		ug/L		89	60 - 140
1,2-Dichloroethene, Total - DL	3300		200000	162000		ug/L		80	60 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr) - DL	*106*		*70 - 130*
Dibromofluoromethane - DL	*98*		*62 - 130*
4-Bromofluorobenzene - DL	*88*		*67 - 139*
1,2-Dichloroethane-d4 (Surr) - DL	*97*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Lab Sample ID: 600-45850-6 MSD
Matrix: Water
Analysis Batch: 66626

Client Sample ID: MW-66-NP-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone - DL	9900		200000	158000		ug/L		79	60 - 140	11	30
Benzene - DL	5000		100000	94600		ug/L		90	65 - 125	6	30
Chlorobromomethane - DL	1800		100000	80900		ug/L		81	60 - 140	3	30
Bromoform - DL	1900		100000	82100		ug/L		82	60 - 140	5	30
Bromomethane - DL	2500		100000	84900		ug/L		85	60 - 140	1	30
2-Butanone (MEK) - DL	7600		200000	141000		ug/L		70	60 - 140	15	30
Carbon disulfide - DL	2400		100000	71000		ug/L		71	60 - 140	6	30
Carbon tetrachloride - DL	1500		100000	117000		ug/L		117	60 - 140	6	30
Dibromochloromethane - DL	1500		100000	75200		ug/L		75	60 - 140	1	30
Chlorobenzene - DL	1900		100000	92400		ug/L		91	72 - 122	4	30
Chloroethane - DL	800		100000	70500		ug/L		70	60 - 140	6	30
Chloroform - DL	1300		100000	92900		ug/L		93	60 - 140	6	30
Chloromethane - DL	1800		100000	63000		ug/L		63	60 - 140	4	30
1,1-Dichloroethane - DL	3200		100000	93100		ug/L		90	60 - 140	4	30
1,2-Dichloroethane - DL	160000		100000	260000		ug/L		100	60 - 140	4	30
1,1-Dichloroethene - DL	1900		100000	78500		ug/L		79	22 - 143	6	30
trans-1,2-Dichloroethene - DL	3300		100000	77600		ug/L		74	60 - 140	7	30
1,2-Dichloropropane - DL	1600		100000	86400		ug/L		86	60 - 140	4	30
cis-1,3-Dichloropropene - DL	1800		100000	84100		ug/L		84	60 - 140	1	30
trans-1,3-Dichloropropene - DL	2100		100000	99000		ug/L		99	60 - 140	9	30
Ethylbenzene - DL	3900		100000	107000		ug/L		103	60 - 140	4	30
2-Hexanone - DL	3500		200000	180000		ug/L		90	60 - 140	9	30
Methylene Chloride - DL	2900		100000	79700		ug/L		77	60 - 140	8	30
4-Methyl-2-pentanone (MIBK) - DL	4500		200000	174000		ug/L		87	60 - 140	8	30
Styrene - DL	700		100000	100000		ug/L		100	60 - 140	4	30
1,1,2,2-Tetrachloroethane - DL	2200		100000	72100		ug/L		72	60 - 140	1	30
Tetrachloroethene - DL	1300		100000	115000		ug/L		115	60 - 140	2	30
Toluene - DL	2000		100000	93600		ug/L		92	76 - 125	4	30
1,1,1-Trichloroethane - DL	1500		100000	123000		ug/L		123	60 - 140	9	30
1,1,2-Trichloroethane - DL	56000		100000	128000		ug/L		72	60 - 140	5	30
Trichloroethene - DL	1800		100000	116000		ug/L		116	56 - 118	6	30
Vinyl acetate - DL	2100		100000	96400		ug/L		96	60 - 140	4	30
Vinyl chloride - DL	78000		100000	123000	F	ug/L		45	60 - 140	1	30
o-Xylene - DL	1200		100000	96900		ug/L		97	60 - 140	5	30
m-Xylene & p-Xylene - DL	1700		200000	205000		ug/L		103	60 - 140	5	30
Xylenes, Total - DL	2600		300000	302000		ug/L		101	60 - 140	5	30
cis-1,2-Dichloroethene - DL	600		100000	77000		ug/L		77	60 - 140	3	30
Bromodichloromethane - DL	1600		100000	84300		ug/L		84	60 - 140	5	30
1,2-Dichloroethene, Total - DL	3300		200000	155000		ug/L		76	60 - 140	5	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr) - DL	*104*		*70 - 130*
Dibromofluoromethane - DL	*95*		*62 - 130*
4-Bromofluorobenzene - DL	*90*		*67 - 139*
1,2-Dichloroethane-d4 (Surr) - DL	*96*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2

Lab Sample ID: 600-45850-1 MS
Matrix: Water
Analysis Batch: 66581

Client Sample ID: MW-71-NP-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone - DL2	990		20000	5570	F	ug/L		28	60 - 140
Benzene - DL2	1200		10000	10100		ug/L		89	65 - 125
Chlorobromomethane - DL2	180		10000	9160		ug/L		92	60 - 140
Bromoform - DL2	190		10000	8850		ug/L		88	60 - 140
Bromomethane - DL2	250		10000	4470	F	ug/L		45	60 - 140
2-Butanone (MEK) - DL2	760		20000	10200	F	ug/L		51	60 - 140
Carbon disulfide - DL2	240		10000	8260		ug/L		83	60 - 140
Carbon tetrachloride - DL2	150		10000	9380		ug/L		94	60 - 140
Dibromochloromethane - DL2	150		10000	12100		ug/L		121	60 - 140
Chlorobenzene - DL2	340		10000	12300		ug/L		119	72 - 122
Chloroethane - DL2	80		10000	5890	F	ug/L		59	60 - 140
Chloroform - DL2	130		10000	8800		ug/L		88	60 - 140
Chloromethane - DL2	180		10000	3670	F	ug/L		37	60 - 140
1,1-Dichloroethane - DL2	450		10000	7820		ug/L		74	60 - 140
1,2-Dichloroethane - DL2	140		10000	9230		ug/L		92	60 - 140
1,1-Dichloroethene - DL2	190		10000	9610		ug/L		96	22 - 143
trans-1,2-Dichloroethene - DL2	90		10000	8240		ug/L		82	60 - 140
1,2-Dichloropropane - DL2	160		10000	7730		ug/L		77	60 - 140
cis-1,3-Dichloropropene - DL2	180		10000	10100		ug/L		101	60 - 140
trans-1,3-Dichloropropene - DL2	210		10000	10300		ug/L		103	60 - 140
Ethylbenzene - DL2	340		10000	9280		ug/L		89	60 - 140
2-Hexanone - DL2	350		20000	12300		ug/L		62	60 - 140
Methylene Chloride - DL2	150		10000	6620		ug/L		66	60 - 140
4-Methyl-2-pentanone (MIBK) - DL2	450		20000	16200		ug/L		81	60 - 140
Styrene - DL2	70		10000	8990		ug/L		90	60 - 140
1,1,2,2-Tetrachloroethane - DL2	220		10000	7960		ug/L		80	60 - 140
Tetrachloroethene - DL2	130		10000	15200	F	ug/L		152	60 - 140
Toluene - DL2	150		10000	12100		ug/L		121	76 - 125
1,1,1-Trichloroethane - DL2	150		10000	8860		ug/L		89	60 - 140
1,1,2-Trichloroethane - DL2	280		10000	11000		ug/L		110	60 - 140
Trichloroethene - DL2	180		10000	12600	F	ug/L		126	56 - 118
Vinyl acetate - DL2	210		10000	4630	F	ug/L		46	60 - 140
Vinyl chloride - DL2	110		10000	4580	F	ug/L		46	60 - 140
o-Xylene - DL2	120		10000	9380		ug/L		94	60 - 140
m-Xylene & p-Xylene - DL2	200		20000	18300		ug/L		91	60 - 140
Xylenes, Total - DL2	260		30000	27700		ug/L		92	60 - 140
cis-1,2-Dichloroethene - DL2	60		10000	7960		ug/L		80	60 - 140
Bromodichloromethane - DL2	160		10000	8640		ug/L		86	60 - 140
1,2-Dichloroethene, Total - DL2	300		20000	16200		ug/L		81	60 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr) - DL2	*123*		*70 - 130*
Dibromofluoromethane - DL2	*82*		*62 - 130*
4-Bromofluorobenzene - DL2	*97*		*67 - 139*
1,2-Dichloroethane-d4 (Surr) - DL2	*82*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2 (Continued)

Lab Sample ID: 600-45850-1 MSD
Matrix: Water
Analysis Batch: 66581

Client Sample ID: MW-71-NP-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone - DL2	990		20000	7870	F	ug/L		39	60 - 140	34	30
Benzene - DL2	1200		10000	11200		ug/L		100	65 - 125	11	30
Chlorobromomethane - DL2	180		10000	10700		ug/L		107	60 - 140	15	30
Bromoform - DL2	190		10000	9850		ug/L		98	60 - 140	11	30
Bromomethane - DL2	250		10000	6080		ug/L		61	60 - 140	30	30
2-Butanone (MEK) - DL2	760		20000	13500		ug/L		67	60 - 140	28	30
Carbon disulfide - DL2	240		10000	9350		ug/L		94	60 - 140	12	30
Carbon tetrachloride - DL2	150		10000	10600		ug/L		106	60 - 140	12	30
Dibromochloromethane - DL2	150		10000	13400		ug/L		134	60 - 140	10	30
Chlorobenzene - DL2	340		10000	13100	F	ug/L		127	72 - 122	6	30
Chloroethane - DL2	80		10000	6580		ug/L		66	60 - 140	11	30
Chloroform - DL2	130		10000	10000		ug/L		100	60 - 140	13	30
Chloromethane - DL2	180		10000	4560	F	ug/L		46	60 - 140	22	30
1,1-Dichloroethane - DL2	450		10000	8730		ug/L		83	60 - 140	11	30
1,2-Dichloroethane - DL2	140		10000	10100		ug/L		101	60 - 140	9	30
1,1-Dichloroethene - DL2	190		10000	10300		ug/L		103	22 - 143	7	30
trans-1,2-Dichloroethene - DL2	90		10000	9280		ug/L		93	60 - 140	12	30
1,2-Dichloropropane - DL2	160		10000	8450		ug/L		85	60 - 140	9	30
cis-1,3-Dichloropropene - DL2	180		10000	11400		ug/L		114	60 - 140	13	30
trans-1,3-Dichloropropene - DL2	210		10000	11900		ug/L		119	60 - 140	15	30
Ethylbenzene - DL2	340		10000	10300		ug/L		100	60 - 140	11	30
2-Hexanone - DL2	350		20000	17900	F	ug/L		89	60 - 140	36	30
Methylene Chloride - DL2	150		10000	7890		ug/L		79	60 - 140	17	30
4-Methyl-2-pentanone (MIBK) - DL2	450		20000	20300		ug/L		101	60 - 140	22	30
Styrene - DL2	70		10000	10700		ug/L		107	60 - 140	17	30
1,1,2,2-Tetrachloroethane - DL2	220		10000	9270		ug/L		93	60 - 140	15	30
Tetrachloroethene - DL2	130		10000	16100	F	ug/L		161	60 - 140	5	30
Toluene - DL2	150		10000	13000	F	ug/L		130	76 - 125	8	30
1,1,1-Trichloroethane - DL2	150		10000	10500		ug/L		105	60 - 140	17	30
1,1,2-Trichloroethane - DL2	280		10000	12500		ug/L		125	60 - 140	13	30
Trichloroethene - DL2	180		10000	13300	F	ug/L		133	56 - 118	6	30
Vinyl acetate - DL2	210		10000	5670	F	ug/L		57	60 - 140	20	30
Vinyl chloride - DL2	110		10000	5310	F	ug/L		53	60 - 140	15	30
o-Xylene - DL2	120		10000	10200		ug/L		102	60 - 140	8	30
m-Xylene & p-Xylene - DL2	200		20000	20200		ug/L		100	60 - 140	10	30
Xylenes, Total - DL2	260		30000	30400		ug/L		101	60 - 140	9	30
cis-1,2-Dichloroethene - DL2	60		10000	9320		ug/L		93	60 - 140	16	30
Bromodichloromethane - DL2	160		10000	9450		ug/L		95	60 - 140	9	30
1,2-Dichloroethene, Total - DL2	300		20000	18600		ug/L		93	60 - 140	14	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr) - DL2	*128*		*70 - 130*
Dibromofluoromethane - DL2	*82*		*62 - 130*
4-Bromofluorobenzene - DL2	*101*		*67 - 139*
1,2-Dichloroethane-d4 (Surr) - DL2	*82*		*50 - 134*

QC Association Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N80

TestAmerica Job ID: 600-45850-1

GC/MS VOA

Analysis Batch: 66581

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-45850-1 - DL	MW-71-NP-1	Total/NA	Water	8260B	
600-45850-1 MS - DL2	MW-71-NP-1	Total/NA	Water	8260B	
600-45850-1 MSD - DL2	MW-71-NP-1	Total/NA	Water	8260B	
600-45850-2 - DL	MW-8-NP-1	Total/NA	Water	8260B	
600-45850-3 - DL	MW-11-NP-1	Total/NA	Water	8260B	
600-45850-5 - DL	MW-68-NP-1	Total/NA	Water	8260B	
600-45850-6	MW-66-NP-1	Total/NA	Water	8260B	
600-45850-7	MW-4-NP-1	Total/NA	Water	8260B	
600-45850-8	MW-65-NP-1	Total/NA	Water	8260B	
600-45850-9	DUP-NP-1	Total/NA	Water	8260B	
600-45850-10	Trip Blank	Total/NA	Water	8260B	
LCS 600-66581/3	Lab Control Sample	Total/NA	Water	8260B	
MB 600-66581/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 66626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-45850-1	MW-71-NP-1	Total/NA	Water	8260B	
600-45850-2	MW-8-NP-1	Total/NA	Water	8260B	
600-45850-3	MW-11-NP-1	Total/NA	Water	8260B	
600-45850-4	MW-40-NP-1	Total/NA	Water	8260B	
600-45850-5	MW-68-NP-1	Total/NA	Water	8260B	
600-45850-6 - DL	MW-66-NP-1	Total/NA	Water	8260B	
600-45850-6 MS - DL	MW-66-NP-1	Total/NA	Water	8260B	
600-45850-6 MSD - DL	MW-66-NP-1	Total/NA	Water	8260B	
600-45850-7 - DL	MW-4-NP-1	Total/NA	Water	8260B	
600-45850-8 - DL	MW-65-NP-1	Total/NA	Water	8260B	
600-45850-9	DUP-NP-1	Total/NA	Water	8260B	
LCS 600-66626/3	Lab Control Sample	Total/NA	Water	8260B	
MB 600-66626/4	Method Blank	Total/NA	Water	8260B	

Lab Chronicle

Client: Groundwater Services, Inc.
Project/Site: G-3460 N80

TestAmerica Job ID: 600-45850-1

Client Sample ID: MW-71-NP-1 — Lab Sample ID: 600-45850-1

Date Collected: 11/09/11 10:00 — **Matrix: Water**
Date Received: 11/10/11 15:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	200	66581	11/16/11 17:27	KLV	TAL HOU
Total/NA	Analysis	8260B		10	66626	11/17/11 12:16	WS	TAL HOU

Client Sample ID: MW-8-NP-1 — Lab Sample ID: 600-45850-2

Date Collected: 11/09/11 10:10 — **Matrix: Water**
Date Received: 11/10/11 15:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	200	66581	11/16/11 19:30	KLV	TAL HOU
Total/NA	Analysis	8260B		10	66626	11/17/11 16:13	WS	TAL HOU

Client Sample ID: MW-11-NP-1 — Lab Sample ID: 600-45850-3

Date Collected: 11/09/11 10:25 — **Matrix: Water**
Date Received: 11/10/11 15:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	200	66581	11/16/11 20:00	KLV	TAL HOU
Total/NA	Analysis	8260B		20	66626	11/17/11 16:41	WS	TAL HOU

Client Sample ID: MW-40-NP-1 — Lab Sample ID: 600-45850-4

Date Collected: 11/09/11 10:35 — **Matrix: Water**
Date Received: 11/10/11 15:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	66626	11/17/11 12:44	WS	TAL HOU

Client Sample ID: MW-68-NP-1 — Lab Sample ID: 600-45850-5

Date Collected: 11/09/11 10:45 — **Matrix: Water**
Date Received: 11/10/11 15:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	200	66581	11/16/11 21:02	KLV	TAL HOU
Total/NA	Analysis	8260B		10	66626	11/17/11 15:45	WS	TAL HOU

Client Sample ID: MW-66-NP-1 — Lab Sample ID: 600-45850-6

Date Collected: 11/09/11 10:55 — **Matrix: Water**
Date Received: 11/10/11 15:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		200	66581	11/16/11 21:33	KLV	TAL HOU
Total/NA	Analysis	8260B	DL	10000	66626	11/17/11 13:12	WS	TAL HOU

Lab Chronicle

Client: Groundwater Services, Inc.
Project/Site: G-3460 N80

TestAmerica Job ID: 600-45850-1

Client Sample ID: MW-4-NP-1

Lab Sample ID: 600-45850-7

Date Collected: 11/09/11 11:05
Matrix: Water
Date Received: 11/10/11 15:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		200	66581	11/16/11 22:04	KLV	TAL HOU
Total/NA	Analysis	8260B	DL	10000	66626	11/17/11 13:41	WS	TAL HOU

Client Sample ID: MW-65-NP-1

Lab Sample ID: 600-45850-8

Date Collected: 11/09/11 11:15
Matrix: Water
Date Received: 11/10/11 15:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		200	66581	11/16/11 22:34	KLV	TAL HOU
Total/NA	Analysis	8260B	DL	10000	66626	11/17/11 14:09	WS	TAL HOU

Client Sample ID: DUP-NP-1

Lab Sample ID: 600-45850-9

Date Collected: 11/09/11 00:00
Matrix: Water
Date Received: 11/10/11 15:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		200	66581	11/16/11 23:05	KLV	TAL HOU
Total/NA	Analysis	8260B		10	66626	11/17/11 11:47	WS	TAL HOU

Client Sample ID: Trip Blank

Lab Sample ID: 600-45850-10

Date Collected: 11/09/11 00:00
Matrix: Water
Date Received: 11/10/11 15:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	66581	11/16/11 16:57	KLV	TAL HOU

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Certification Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N80

TestAmerica Job ID: 600-45850-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Houston	Arkansas	State Program	6	88-0759
TestAmerica Houston	Louisiana	NELAC	6	30643
TestAmerica Houston	Oklahoma	State Program	6	9503
TestAmerica Houston	Texas	NELAC	6	T104704223-10-6-TX
TestAmerica Houston	USDA	USDA		P330-08-00217
TestAmerica Houston	Utah	NELAC	8	GULF

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N80

TestAmerica Job ID: 600-45850-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL HOU

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Sample Summary

Client: Groundwater Services, Inc.
Project/Site: G-3460 N80

TestAmerica Job ID: 600-45850-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
600-45850-1	MW-71-NP-1	Water	11/09/11 10:00	11/10/11 15:11
600-45850-2	MW-8-NP-1	Water	11/09/11 10:10	11/10/11 15:11
600-45850-3	MW-11-NP-1	Water	11/09/11 10:25	11/10/11 15:11
600-45850-4	MW-40-NP-1	Water	11/09/11 10:35	11/10/11 15:11
600-45850-5	MW-68-NP-1	Water	11/09/11 10:45	11/10/11 15:11
600-45850-6	MW-66-NP-1	Water	11/09/11 10:55	11/10/11 15:11
600-45850-7	MW-4-NP-1	Water	11/09/11 11:05	11/10/11 15:11
600-45850-8	MW-65-NP-1	Water	11/09/11 11:15	11/10/11 15:11
600-45850-9	DUP-NP-1	Water	11/09/11 00:00	11/10/11 15:11
600-45850-10	Trip Blank	Water	11/09/11 00:00	11/10/11 15:11

TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Phone (713) 690-4444 Fax (713) 690-5646

Chain of Custody Record

Loc: 600
45850

Client Information	Sampler: LISA MALOFSKY or BRANDON BROWN	Lab PM: Kudchadkar, Sachin G	Carrier Tracking No(s):
Client Contact: Ms. Kate Hamel	Phone: 713.522.6300	E-Mail: sachin.kudchadkar@testamericainc.com	COC No: 600-11558-50
Company: Groundwater Services, Inc.			Page: Page 1 of 1
Address: 2211 Norfolk, Suite 1000	Due Date Requested:		Job #: 6-20
City: Houston	TAT Requested (days): STANDARD		
State, Zip: TX, 77098-4044			
Phone: 713-522-6300(Tel)	PO #: Purchase Order not requir		
Email: kchamel@gsi-net.com, tem@gsi-net.com	WO #:		
Project Name: G-3460	Project #: 60002425		
Site: N-80	SSOW#:		

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B_LL - Target Compound List	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
MW-71-NP-1	11/9/2011	1000	G	Water	N	N	✓		
MW-8-NP-1		1010		Water			✓		
MW-11-NP-1		1025		Water			✓		
MW-40-NP-1		1035		Water			✓		
MW-68-NP-1		1045		Water			✓		
MW-66-NP-1		1055		Water			✓		
MW-4-NP-1		1105		Water			✓		
MW-65-NP-1		1115		Water			✓		
DUP-NP-1		—		Water			✓		
TRIP BLANK		—		Water			✓		

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: STANDARD QA/QC

Empty Kit Relinquished by:	Date:	Time:		Method of Shipment:	
Relinquished by: RCH	Date/Time: 11/9/2011	Company: GSI	Received by:	Date/Time: 11-10-11 1104	Company: TA
Relinquished by:	Date/Time: 11-10-11 1511	Company:	Received by:	Date/Time: 11/10/11 1511	Company: TA L.
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks:

Login Sample Receipt Checklist

Client: Groundwater Services, Inc.

Job Number: 600-45850-1

Login Number: 45850

List Source: TestAmerica Houston

List Number: 1

Creator: Fuentes Jr, Fabio

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Tel: (713)690-4444

TestAmerica Job ID: 600-44501-1
Client Project/Site: N-80- G-3880

For:
Groundwater Services, Inc.
2211 Norfolk, Suite 1000
Houston, Texas 77098-4044

Attn: Ms. Kate Hamel

Authorized for release by:
10/24/2011 05:38:17 PM
Cathy Upton
LAN Analyst
cathy.upton@testamericainc.com

Designee for

Sachin Kudchadkar
Project Manager II
sachin.kudchadkar@testamericainc.com

LINKS

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Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F	MS or MSD exceeds the control limits
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 600-44501-1

Laboratory: TestAmerica Houston

Narrative

Job Narrative
600-44501-1

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
Method(s) 8260B: The continuing calibration verification (CCV) for analytical batch 64681 exceeded control criteria for acrolein and carbon tetrachloride. The data have been qualified and reported.

Method(s) 8260B: The following sample(s) was diluted due to the nature of the sample matrix: MW-11-24-1 (600-44501-6), MW-11-pre24-1 (600-44501-4), MW-40-24-1 (600-44501-9), MW-40-pre24-1 (600-44501-7), MW-68-24-1 (600-44501-10), MW-68-pre24-1 (600-44501-8), MW-71-pre24-1 (600-44501-1), MW-8-24-1 (600-44501-5), MW-8-pre24-1 (600-44501-3). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries associated with batch 64696 were outside control limits: (600-44501-10 MS), (600-44501-10 MSD). Matrix interference is suspected.

Method(s) 8260B: The following samples were diluted due to the nature of the sample matrix: MW-4-pre24-1 (600-44501-12), MW-66-24-1 (600-44501-13). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The following sample(s) was diluted due to the nature of the sample matrix: MW-71-24-1 (600-44501-2). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The matrix spike duplicate (MSD) recoveries associated with batch 64851 were outside control limits: (600-44501-15 MSD). Matrix interference is suspected.

No other analytical or quality issues were noted.

Detection Summary

Client: Groundwater Services, Inc.
Project/Site: N-80- G-3880

TestAmerica Job ID: 600-44501-1

Client Sample ID: MW-71-pre24-1 — Lab Sample ID: 600-44501-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	240		20	2.4	ug/L	20		8260B	Total/NA
1,1-Dichloroethane	730		20	2.2	ug/L	20		8260B	Total/NA
1,1-Dichloroethene	42		20	3.8	ug/L	20		8260B	Total/NA
Ethylbenzene	440		20	2.2	ug/L	20		8260B	Total/NA
Styrene	1.6	J	20	1.4	ug/L	20		8260B	Total/NA
Toluene	80		20	3.0	ug/L	20		8260B	Total/NA
Vinyl chloride	59		40	2.2	ug/L	20		8260B	Total/NA
o-Xylene	7.7	J	20	2.4	ug/L	20		8260B	Total/NA
m-Xylene & p-Xylene	15	J	20	3.4	ug/L	20		8260B	Total/NA
Xylenes, Total	23		20	5.2	ug/L	20		8260B	Total/NA
Benzene - DL	1400		200	16	ug/L	200		8260B	Total/NA

Client Sample ID: MW-71-24-1 — Lab Sample ID: 600-44501-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	260		20	2.4	ug/L	20		8260B	Total/NA
1,1-Dichloroethane	770		20	2.2	ug/L	20		8260B	Total/NA
Ethylbenzene	510		20	2.2	ug/L	20		8260B	Total/NA
Toluene	87		20	3.0	ug/L	20		8260B	Total/NA
Vinyl chloride	54		40	2.2	ug/L	20		8260B	Total/NA
o-Xylene	7.4	J	20	2.4	ug/L	20		8260B	Total/NA
m-Xylene & p-Xylene	15	J	20	3.4	ug/L	20		8260B	Total/NA
Xylenes, Total	22		20	5.2	ug/L	20		8260B	Total/NA
Benzene - DL	1800		100	8.0	ug/L	100		8260B	Total/NA

Client Sample ID: MW-8-pre24-1 — Lab Sample ID: 600-44501-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	200		20	2.4	ug/L	20		8260B	Total/NA
1,1-Dichloroethane	680		20	2.2	ug/L	20		8260B	Total/NA
1,1-Dichloroethene	42		20	3.8	ug/L	20		8260B	Total/NA
trans-1,2-Dichloroethene	3.6	J	20	1.8	ug/L	20		8260B	Total/NA
Ethylbenzene	350		20	2.2	ug/L	20		8260B	Total/NA
Toluene	67		20	3.0	ug/L	20		8260B	Total/NA
Vinyl chloride	83		40	2.2	ug/L	20		8260B	Total/NA
o-Xylene	5.6	J	20	2.4	ug/L	20		8260B	Total/NA
m-Xylene & p-Xylene	12	J	20	3.4	ug/L	20		8260B	Total/NA
Xylenes, Total	18	J	20	5.2	ug/L	20		8260B	Total/NA
cis-1,2-Dichloroethene	3.3	J	20	1.2	ug/L	20		8260B	Total/NA
1,2-Dichloroethene, Total	6.9	J	20	6.0	ug/L	20		8260B	Total/NA
Benzene - DL	930		100	8.0	ug/L	100		8260B	Total/NA

Client Sample ID: MW-11-pre24-1 — Lab Sample ID: 600-44501-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	140		20	1.6	ug/L	20		8260B	Total/NA
Chlorobenzene	380		20	2.4	ug/L	20		8260B	Total/NA
1,1-Dichloroethene	410		20	3.8	ug/L	20		8260B	Total/NA
Ethylbenzene	44		20	2.2	ug/L	20		8260B	Total/NA
Styrene	3.6	J	20	1.4	ug/L	20		8260B	Total/NA
Tetrachloroethene	6.8	J	20	2.6	ug/L	20		8260B	Total/NA
Toluene	17	J	20	3.0	ug/L	20		8260B	Total/NA
1,1,2-Trichloroethane	49		20	5.6	ug/L	20		8260B	Total/NA
Trichloroethene	720		20	3.6	ug/L	20		8260B	Total/NA

Client Sample ID: MW-11-pre24-1 (Continued) — Lab Sample ID: 600-44501-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane - DL	1100		400	44	ug/L	400		8260B	Total/NA
1,2-Dichloroethane - DL	2400		400	56	ug/L	400		8260B	Total/NA
trans-1,2-Dichloroethene - DL	1300		400	36	ug/L	400		8260B	Total/NA
Vinyl chloride - DL	10000		800	44	ug/L	400		8260B	Total/NA
cis-1,2-Dichloroethene - DL	2200		400	24	ug/L	400		8260B	Total/NA
1,2-Dichloroethene, Total - DL	3500		400	120	ug/L	400		8260B	Total/NA

Client Sample ID: MW-8-24-1 — Lab Sample ID: 600-44501-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	830		20	1.6	ug/L	20		8260B	Total/NA
2-Butanone (MEK)	180		40	15	ug/L	20		8260B	Total/NA
Chlorobenzene	120		20	2.4	ug/L	20		8260B	Total/NA
1,1-Dichloroethane	250		20	2.2	ug/L	20		8260B	Total/NA
1,1-Dichloroethene	76		20	3.8	ug/L	20		8260B	Total/NA
trans-1,2-Dichloroethene	240		20	1.8	ug/L	20		8260B	Total/NA
Ethylbenzene	790		20	2.2	ug/L	20		8260B	Total/NA
Styrene	3.5	J	20	1.4	ug/L	20		8260B	Total/NA
Trichloroethene	9.5	J	20	3.6	ug/L	20		8260B	Total/NA
o-Xylene	12	J	20	2.4	ug/L	20		8260B	Total/NA
m-Xylene & p-Xylene	19	J	20	3.4	ug/L	20		8260B	Total/NA
Xylenes, Total	31		20	5.2	ug/L	20		8260B	Total/NA
cis-1,2-Dichloroethene	45		20	1.2	ug/L	20		8260B	Total/NA
1,2-Dichloroethene, Total	290		20	6.0	ug/L	20		8260B	Total/NA
Vinyl chloride - DL	3400		400	22	ug/L	200		8260B	Total/NA

Client Sample ID: MW-11-24-1 — Lab Sample ID: 600-44501-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	130		20	1.6	ug/L	20		8260B	Total/NA
Chlorobenzene	370		20	2.4	ug/L	20		8260B	Total/NA
1,1-Dichloroethene	460		20	3.8	ug/L	20		8260B	Total/NA
Ethylbenzene	33		20	2.2	ug/L	20		8260B	Total/NA
Tetrachloroethene	6.2	J	20	2.6	ug/L	20		8260B	Total/NA
Toluene	15	J	20	3.0	ug/L	20		8260B	Total/NA
1,1,2-Trichloroethane	18	J	20	5.6	ug/L	20		8260B	Total/NA
Trichloroethene	780		20	3.6	ug/L	20		8260B	Total/NA
1,1-Dichloroethane - DL	1100		500	55	ug/L	500		8260B	Total/NA
1,2-Dichloroethane - DL	3100		500	70	ug/L	500		8260B	Total/NA
trans-1,2-Dichloroethene - DL	1700		500	45	ug/L	500		8260B	Total/NA
Vinyl chloride - DL	13000		1000	55	ug/L	500		8260B	Total/NA
cis-1,2-Dichloroethene - DL	2900		500	30	ug/L	500		8260B	Total/NA
1,2-Dichloroethene, Total - DL	4600		500	150	ug/L	500		8260B	Total/NA

Client Sample ID: MW-40-pre24-1 — Lab Sample ID: 600-44501-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	120		20	1.6	ug/L	20		8260B	Total/NA
Chlorobenzene	430		20	2.4	ug/L	20		8260B	Total/NA
1,1-Dichloroethane	530		20	2.2	ug/L	20		8260B	Total/NA
1,1-Dichloroethene	45		20	3.8	ug/L	20		8260B	Total/NA
trans-1,2-Dichloroethene	24		20	1.8	ug/L	20		8260B	Total/NA
Ethylbenzene	140		20	2.2	ug/L	20		8260B	Total/NA
Toluene	32		20	3.0	ug/L	20		8260B	Total/NA

Client Sample ID: MW-40-pre24-1 (Continued) — Lab Sample ID: 600-44501-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	7.9	J	20	3.6	ug/L	20		8260B	Total/NA
Vinyl chloride	830		40	2.2	ug/L	20		8260B	Total/NA
cis-1,2-Dichloroethene	13	J	20	1.2	ug/L	20		8260B	Total/NA
1,2-Dichloroethene, Total	37		20	6.0	ug/L	20		8260B	Total/NA

Client Sample ID: MW-68-pre24-1 — Lab Sample ID: 600-44501-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	64		20	1.6	ug/L	20		8260B	Total/NA
Chlorobenzene	53		20	2.4	ug/L	20		8260B	Total/NA
1,1-Dichloroethane	180		20	2.2	ug/L	20		8260B	Total/NA
1,1-Dichloroethene	45		20	3.8	ug/L	20		8260B	Total/NA
trans-1,2-Dichloroethene	170		20	1.8	ug/L	20		8260B	Total/NA
Ethylbenzene	170		20	2.2	ug/L	20		8260B	Total/NA
Toluene	24		20	3.0	ug/L	20		8260B	Total/NA
m-Xylene & p-Xylene	140		20	3.4	ug/L	20		8260B	Total/NA
Xylenes, Total	140		20	5.2	ug/L	20		8260B	Total/NA
cis-1,2-Dichloroethene	12	J	20	1.2	ug/L	20		8260B	Total/NA
1,2-Dichloroethene, Total	180		20	6.0	ug/L	20		8260B	Total/NA
Vinyl chloride - DL	2400		400	22	ug/L	200		8260B	Total/NA

Client Sample ID: MW-40-24-1 — Lab Sample ID: 600-44501-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	82		20	1.6	ug/L	20		8260B	Total/NA
Chlorobenzene	250		20	2.4	ug/L	20		8260B	Total/NA
1,1-Dichloroethane	390		20	2.2	ug/L	20		8260B	Total/NA
1,1-Dichloroethene	53		20	3.8	ug/L	20		8260B	Total/NA
trans-1,2-Dichloroethene	5.1	J	20	1.8	ug/L	20		8260B	Total/NA
Ethylbenzene	69		20	2.2	ug/L	20		8260B	Total/NA
Tetrachloroethene	5.9	J	20	2.6	ug/L	20		8260B	Total/NA
Toluene	18	J	20	3.0	ug/L	20		8260B	Total/NA
Vinyl chloride	230		40	2.2	ug/L	20		8260B	Total/NA
cis-1,2-Dichloroethene	14	J	20	1.2	ug/L	20		8260B	Total/NA
1,2-Dichloroethene, Total	19	J	20	6.0	ug/L	20		8260B	Total/NA

Client Sample ID: MW-68-24-1 — Lab Sample ID: 600-44501-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	110		20	1.6	ug/L	20		8260B	Total/NA
Chlorobenzene	57		20	2.4	ug/L	20		8260B	Total/NA
Chloromethane	61		40	3.6	ug/L	20		8260B	Total/NA
1,1-Dichloroethane	170		20	2.2	ug/L	20		8260B	Total/NA
1,1-Dichloroethene	52		20	3.8	ug/L	20		8260B	Total/NA
trans-1,2-Dichloroethene	300		20	1.8	ug/L	20		8260B	Total/NA
Ethylbenzene	280		20	2.2	ug/L	20		8260B	Total/NA
Toluene	42		20	3.0	ug/L	20		8260B	Total/NA
cis-1,2-Dichloroethene	22		20	1.2	ug/L	20		8260B	Total/NA
1,2-Dichloroethene, Total	320		20	6.0	ug/L	20		8260B	Total/NA
Vinyl chloride - DL	4100		400	22	ug/L	200		8260B	Total/NA

Client Sample ID: MW-66-pre24-1 — Lab Sample ID: 600-44501-11

Client Sample ID: MW-66-pre24-1 (Continued) — Lab Sample ID: 600-44501-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1100		1000	200	ug/L	200		8260B	Total/NA
Benzene	5800		200	16	ug/L	200		8260B	Total/NA
Chlorobenzene	1700		200	24	ug/L	200		8260B	Total/NA
Chloroform	34	J	200	26	ug/L	200		8260B	Total/NA
1,1-Dichloroethane	3200		200	22	ug/L	200		8260B	Total/NA
1,1-Dichloroethene	1900		200	38	ug/L	200		8260B	Total/NA
trans-1,2-Dichloroethene	2900		200	18	ug/L	200		8260B	Total/NA
Ethylbenzene	4500		200	22	ug/L	200		8260B	Total/NA
Methylene Chloride	210	J	1000	30	ug/L	200		8260B	Total/NA
Styrene	1400		200	14	ug/L	200		8260B	Total/NA
Tetrachloroethene	190	J	200	26	ug/L	200		8260B	Total/NA
Toluene	2400		200	30	ug/L	200		8260B	Total/NA
Trichloroethene	1100		200	36	ug/L	200		8260B	Total/NA
o-Xylene	25	J	200	24	ug/L	200		8260B	Total/NA
cis-1,2-Dichloroethene	1300		200	12	ug/L	200		8260B	Total/NA
1,2-Dichloroethene, Total	4200		200	60	ug/L	200		8260B	Total/NA
1,2-Dichloroethane - DL	150000		5000	700	ug/L	5000		8260B	Total/NA
1,1,2-Trichloroethane - DL	79000		5000	1400	ug/L	5000		8260B	Total/NA
Vinyl chloride - DL	65000		10000	550	ug/L	5000		8260B	Total/NA

Client Sample ID: MW-4-pre24-1 — Lab Sample ID: 600-44501-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	470		100	20	ug/L	20		8260B	Total/NA
2-Butanone (MEK)	220		40	15	ug/L	20		8260B	Total/NA
Carbon disulfide	20	J	40	4.8	ug/L	20		8260B	Total/NA
Ethylbenzene	870		20	2.2	ug/L	20		8260B	Total/NA
Methylene Chloride	17	J	100	3.0	ug/L	20		8260B	Total/NA
Styrene	17	J	20	1.4	ug/L	20		8260B	Total/NA
Tetrachloroethene	540		20	2.6	ug/L	20		8260B	Total/NA
Toluene	260		20	3.0	ug/L	20		8260B	Total/NA
o-Xylene	28		20	2.4	ug/L	20		8260B	Total/NA
m-Xylene & p-Xylene	41		20	3.4	ug/L	20		8260B	Total/NA
Xylenes, Total	69		20	5.2	ug/L	20		8260B	Total/NA
Benzene - DL	5200		500	40	ug/L	500		8260B	Total/NA
Chlorobenzene - DL	1200		500	60	ug/L	500		8260B	Total/NA
1,1-Dichloroethane - DL	6000		500	55	ug/L	500		8260B	Total/NA
trans-1,2-Dichloroethene - DL	10000		500	45	ug/L	500		8260B	Total/NA
Trichloroethene - DL	1900		500	90	ug/L	500		8260B	Total/NA
cis-1,2-Dichloroethene - DL	5100		500	30	ug/L	500		8260B	Total/NA
1,2-Dichloroethene, Total - DL	15000		500	150	ug/L	500		8260B	Total/NA
1,2-Dichloroethane - DL2	79000		5000	700	ug/L	5000		8260B	Total/NA
Vinyl chloride - DL2	190000		10000	550	ug/L	5000		8260B	Total/NA

Client Sample ID: MW-66-24-1 — Lab Sample ID: 600-44501-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	770		100	20	ug/L	20		8260B	Total/NA
2-Butanone (MEK)	190		40	15	ug/L	20		8260B	Total/NA
Carbon disulfide	5.2	J	40	4.8	ug/L	20		8260B	Total/NA
Chloroform	43		20	2.6	ug/L	20		8260B	Total/NA
Methylene Chloride	240		100	3.0	ug/L	20		8260B	Total/NA
1,1,2,2-Tetrachloroethane	130		20	4.4	ug/L	20		8260B	Total/NA
Tetrachloroethene	43		20	2.6	ug/L	20		8260B	Total/NA

Client Sample ID: MW-66-24-1 (Continued) — Lab Sample ID: 600-44501-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
m-Xylene & p-Xylene	20		20	3.4	ug/L	20		8260B	Total/NA
Xylenes, Total	20		20	5.2	ug/L	20		8260B	Total/NA
Benzene - DL	7400		200	16	ug/L	200		8260B	Total/NA
Chlorobenzene - DL	1700		200	24	ug/L	200		8260B	Total/NA
1,1-Dichloroethane - DL	3900		200	22	ug/L	200		8260B	Total/NA
trans-1,2-Dichloroethene - DL	3500		200	18	ug/L	200		8260B	Total/NA
Ethylbenzene - DL	4500		200	22	ug/L	200		8260B	Total/NA
Styrene - DL	1200		200	14	ug/L	200		8260B	Total/NA
Toluene - DL	2600		200	30	ug/L	200		8260B	Total/NA
Trichloroethene - DL	1400		200	36	ug/L	200		8260B	Total/NA
cis-1,2-Dichloroethene - DL	1500		200	12	ug/L	200		8260B	Total/NA
1,2-Dichloroethene, Total - DL	5000		200	60	ug/L	200		8260B	Total/NA
1,2-Dichloroethane - DL2	160000		10000	1400	ug/L	10000		8260B	Total/NA
1,1,2-Trichloroethane - DL2	97000		10000	2800	ug/L	10000		8260B	Total/NA
Vinyl chloride - DL2	98000		20000	1100	ug/L	10000		8260B	Total/NA

Client Sample ID: MW-4-24-1 — Lab Sample ID: 600-44501-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	210		100	20	ug/L	20		8260B	Total/NA
Ethylbenzene	800		20	2.2	ug/L	20		8260B	Total/NA
Styrene	19	J	20	1.4	ug/L	20		8260B	Total/NA
Tetrachloroethene	510		20	2.6	ug/L	20		8260B	Total/NA
Toluene	270		20	3.0	ug/L	20		8260B	Total/NA
o-Xylene	27		20	2.4	ug/L	20		8260B	Total/NA
m-Xylene & p-Xylene	52		20	3.4	ug/L	20		8260B	Total/NA
Xylenes, Total	79		20	5.2	ug/L	20		8260B	Total/NA
Benzene - DL	5700		400	32	ug/L	400		8260B	Total/NA
Chlorobenzene - DL	1200		400	48	ug/L	400		8260B	Total/NA
1,1-Dichloroethane - DL	6100		400	44	ug/L	400		8260B	Total/NA
1,1-Dichloroethene - DL	8600		400	76	ug/L	400		8260B	Total/NA
trans-1,2-Dichloroethene - DL	11000		400	36	ug/L	400		8260B	Total/NA
Trichloroethene - DL	1800		400	72	ug/L	400		8260B	Total/NA
cis-1,2-Dichloroethene - DL	5500		400	24	ug/L	400		8260B	Total/NA
1,2-Dichloroethene, Total - DL	17000		400	120	ug/L	400		8260B	Total/NA
1,2-Dichloroethane - DL2	94000		5000	700	ug/L	5000		8260B	Total/NA
Vinyl chloride - DL2	220000		10000	550	ug/L	5000		8260B	Total/NA

Client Sample ID: MW-65-pre24-1 — Lab Sample ID: 600-44501-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	12	J	40	4.8	ug/L	20		8260B	Total/NA
1,2-Dichloroethane	920		20	2.8	ug/L	20		8260B	Total/NA
Styrene	58		20	1.4	ug/L	20		8260B	Total/NA
Tetrachloroethene	430		20	2.6	ug/L	20		8260B	Total/NA
Toluene	320		20	3.0	ug/L	20		8260B	Total/NA
o-Xylene	51		20	2.4	ug/L	20		8260B	Total/NA
m-Xylene & p-Xylene	71		20	3.4	ug/L	20		8260B	Total/NA
Xylenes, Total	120		20	5.2	ug/L	20		8260B	Total/NA
Benzene - DL	4700		200	16	ug/L	200		8260B	Total/NA
Chlorobenzene - DL	1700		200	24	ug/L	200		8260B	Total/NA
1,1-Dichloroethane - DL	3800		200	22	ug/L	200		8260B	Total/NA
1,1-Dichloroethene - DL	2900		200	38	ug/L	200		8260B	Total/NA
trans-1,2-Dichloroethene - DL	7300		200	18	ug/L	200		8260B	Total/NA

Detection Summary

Client: Groundwater Services, Inc.
Project/Site: N-80- G-3880

TestAmerica Job ID: 600-44501-1

Client Sample ID: MW-65-pre24-1 (Continued) — Lab Sample ID: 600-44501-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene - DL	1600		200	22	ug/L	200		8260B	Total/NA
Trichloroethene - DL	1100		200	36	ug/L	200		8260B	Total/NA
cis-1,2-Dichloroethene - DL	1900		200	12	ug/L	200		8260B	Total/NA
1,2-Dichloroethene, Total - DL	9200		200	60	ug/L	200		8260B	Total/NA
Vinyl chloride - DL3	220000		20000	1100	ug/L	10000		8260B	Total/NA

Client Sample ID: MW-65-24-1 — Lab Sample ID: 600-44501-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	530		40	3.6	ug/L	20		8260B	Total/NA
Methylene Chloride	5.9	J	100	3.0	ug/L	20		8260B	Total/NA
Styrene	84		20	1.4	ug/L	20		8260B	Total/NA
Tetrachloroethene	430		20	2.6	ug/L	20		8260B	Total/NA
Toluene	390		20	3.0	ug/L	20		8260B	Total/NA
1,1,2-Trichloroethane	13	J	20	5.6	ug/L	20		8260B	Total/NA
o-Xylene	65		20	2.4	ug/L	20		8260B	Total/NA
m-Xylene & p-Xylene	84		20	3.4	ug/L	20		8260B	Total/NA
Xylenes, Total	150		20	5.2	ug/L	20		8260B	Total/NA
Benzene - DL	5500		200	16	ug/L	200		8260B	Total/NA
Chlorobenzene - DL	2100		200	24	ug/L	200		8260B	Total/NA
1,1-Dichloroethane - DL	4200		200	22	ug/L	200		8260B	Total/NA
1,2-Dichloroethane - DL	1700		200	28	ug/L	200		8260B	Total/NA
1,1-Dichloroethene - DL	3100		200	38	ug/L	200		8260B	Total/NA
trans-1,2-Dichloroethene - DL	8700		200	18	ug/L	200		8260B	Total/NA
Ethylbenzene - DL	2000		200	22	ug/L	200		8260B	Total/NA
Trichloroethene - DL	1200		200	36	ug/L	200		8260B	Total/NA
cis-1,2-Dichloroethene - DL	1800		200	12	ug/L	200		8260B	Total/NA
1,2-Dichloroethene, Total - DL	11000		200	60	ug/L	200		8260B	Total/NA
Vinyl chloride - DL2	270000		20000	1100	ug/L	10000		8260B	Total/NA

Client Sample ID: DUP-24-1 — Lab Sample ID: 600-44501-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	110		10	0.80	ug/L	10		8260B	Total/NA
Carbon disulfide	2.4	J	20	2.4	ug/L	10		8260B	Total/NA
Chlorobenzene	60		10	1.2	ug/L	10		8260B	Total/NA
1,1-Dichloroethane	180		10	1.1	ug/L	10		8260B	Total/NA
1,1-Dichloroethene	25		10	1.9	ug/L	10		8260B	Total/NA
trans-1,2-Dichloroethene	300		10	0.90	ug/L	10		8260B	Total/NA
Ethylbenzene	300		10	1.1	ug/L	10		8260B	Total/NA
Toluene	46		10	1.5	ug/L	10		8260B	Total/NA
o-Xylene	1.5	J	10	1.2	ug/L	10		8260B	Total/NA
m-Xylene & p-Xylene	2.6	J	10	1.7	ug/L	10		8260B	Total/NA
Xylenes, Total	4.1	J	10	2.6	ug/L	10		8260B	Total/NA
cis-1,2-Dichloroethene	16		10	0.60	ug/L	10		8260B	Total/NA
1,2-Dichloroethene, Total	320		10	3.0	ug/L	10		8260B	Total/NA
Vinyl chloride - DL	4200		400	22	ug/L	200		8260B	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 600-44501-18

No Detections

Client Sample Results

Client: Groundwater Services, Inc.
Project/Site: N-80- G-3880

TestAmerica Job ID: 600-44501-1

Client Sample ID: MW-71-pre24-1

Date Collected: 10/11/11 09:45
Date Received: 10/12/11 10:58

Lab Sample ID: 600-44501-1

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	20	U	100	20	ug/L			10/19/11 20:02	20
Chlorobromomethane	3.6	U	20	3.6	ug/L			10/19/11 20:02	20
Bromoform	3.8	U	20	3.8	ug/L			10/19/11 20:02	20
Bromomethane	5.0	U	40	5.0	ug/L			10/19/11 20:02	20
2-Butanone (MEK)	15	U	40	15	ug/L			10/19/11 20:02	20
Carbon disulfide	4.8	U	40	4.8	ug/L			10/19/11 20:02	20
Carbon tetrachloride	3.0	U	20	3.0	ug/L			10/19/11 20:02	20
Dibromochloromethane	3.0	U	20	3.0	ug/L			10/19/11 20:02	20
Chlorobenzene	**240**		20	2.4	ug/L			10/19/11 20:02	20
Chloroethane	1.6	U	40	1.6	ug/L			10/19/11 20:02	20
Chloroform	2.6	U	20	2.6	ug/L			10/19/11 20:02	20
Chloromethane	3.6	U	40	3.6	ug/L			10/19/11 20:02	20
1,1-Dichloroethane	**730**		20	2.2	ug/L			10/19/11 20:02	20
1,2-Dichloroethane	2.8	U	20	2.8	ug/L			10/19/11 20:02	20
1,1-Dichloroethene	**42**		20	3.8	ug/L			10/19/11 20:02	20
trans-1,2-Dichloroethene	1.8	U	20	1.8	ug/L			10/19/11 20:02	20
1,2-Dichloropropane	3.2	U	20	3.2	ug/L			10/19/11 20:02	20
cis-1,3-Dichloropropene	3.6	U	20	3.6	ug/L			10/19/11 20:02	20
trans-1,3-Dichloropropene	4.2	U	20	4.2	ug/L			10/19/11 20:02	20
Ethylbenzene	**440**		20	2.2	ug/L			10/19/11 20:02	20
2-Hexanone	7.0	U	40	7.0	ug/L			10/19/11 20:02	20
Methylene Chloride	3.0	U	100	3.0	ug/L			10/19/11 20:02	20
4-Methyl-2-pentanone (MIBK)	9.0	U	40	9.0	ug/L			10/19/11 20:02	20
Styrene	**1.6**	**J**	20	1.4	ug/L			10/19/11 20:02	20
1,1,2,2-Tetrachloroethane	4.4	U	20	4.4	ug/L			10/19/11 20:02	20
Tetrachloroethene	2.6	U	20	2.6	ug/L			10/19/11 20:02	20
Toluene	**80**		20	3.0	ug/L			10/19/11 20:02	20
1,1,1-Trichloroethane	3.0	U	20	3.0	ug/L			10/19/11 20:02	20
1,1,2-Trichloroethane	5.6	U	20	5.6	ug/L			10/19/11 20:02	20
Trichloroethene	3.6	U	20	3.6	ug/L			10/19/11 20:02	20
Vinyl acetate	4.2	U	40	4.2	ug/L			10/19/11 20:02	20
Vinyl chloride	**59**		40	2.2	ug/L			10/19/11 20:02	20
o-Xylene	**7.7**	**J**	20	2.4	ug/L			10/19/11 20:02	20
m-Xylene & p-Xylene	**15**	**J**	20	3.4	ug/L			10/19/11 20:02	20
Xylenes, Total	**23**		20	5.2	ug/L			10/19/11 20:02	20
cis-1,2-Dichloroethene	1.2	U	20	1.2	ug/L			10/19/11 20:02	20
Bromodichloromethane	3.2	U	20	3.2	ug/L			10/19/11 20:02	20
1,2-Dichloroethene, Total	6.0	U	20	6.0	ug/L			10/19/11 20:02	20

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*70 - 130*		*10/19/11 20:02*	*20*
Dibromofluoromethane	*80*		*62 - 130*		*10/19/11 20:02*	*20*
4-Bromofluorobenzene	*77*		*67 - 139*		*10/19/11 20:02*	*20*
1,2-Dichloroethane-d4 (Surr)	*79*		*50 - 134*		*10/19/11 20:02*	*20*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1400**		200	16	ug/L			10/20/11 18:50	200

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*108*		*70 - 130*		*10/20/11 18:50*	*200*

Client Sample ID: MW-71-pre24-1

Lab Sample ID: 600-44501-1

Date Collected: 10/11/11 09:45
Matrix: Water
Date Received: 10/12/11 10:58

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*86*		*62 - 130*		*10/20/11 18:50*	*200*
4-Bromofluorobenzene	*81*		*67 - 139*		*10/20/11 18:50*	*200*
1,2-Dichloroethane-d4 (Surr)	*83*		*50 - 134*		*10/20/11 18:50*	*200*

Client Sample ID: MW-71-24-1

Lab Sample ID: 600-44501-2

Date Collected: 10/11/11 10:50
Matrix: Water
Date Received: 10/12/11 10:58

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	20	U	100	20	ug/L			10/20/11 19:18	20
Chlorobromomethane	3.6	U	20	3.6	ug/L			10/20/11 19:18	20
Bromoform	3.8	U	20	3.8	ug/L			10/20/11 19:18	20
Bromomethane	5.0	U	40	5.0	ug/L			10/20/11 19:18	20
2-Butanone (MEK)	15	U	40	15	ug/L			10/20/11 19:18	20
Carbon disulfide	4.8	U	40	4.8	ug/L			10/20/11 19:18	20
Carbon tetrachloride	3.0	U	20	3.0	ug/L			10/20/11 19:18	20
Dibromochloromethane	3.0	U	20	3.0	ug/L			10/20/11 19:18	20
Chlorobenzene	**260**		20	2.4	ug/L			10/20/11 19:18	20
Chloroethane	1.6	U	40	1.6	ug/L			10/20/11 19:18	20
Chloroform	2.6	U	20	2.6	ug/L			10/20/11 19:18	20
Chloromethane	3.6	U	40	3.6	ug/L			10/20/11 19:18	20
1,1-Dichloroethane	**770**		20	2.2	ug/L			10/20/11 19:18	20
1,2-Dichloroethane	2.8	U	20	2.8	ug/L			10/20/11 19:18	20
1,1-Dichloroethene	3.8	U	20	3.8	ug/L			10/20/11 19:18	20
trans-1,2-Dichloroethene	1.8	U	20	1.8	ug/L			10/20/11 19:18	20
1,2-Dichloropropane	3.2	U	20	3.2	ug/L			10/20/11 19:18	20
cis-1,3-Dichloropropene	3.6	U	20	3.6	ug/L			10/20/11 19:18	20
trans-1,3-Dichloropropene	4.2	U	20	4.2	ug/L			10/20/11 19:18	20
Ethylbenzene	**510**		20	2.2	ug/L			10/20/11 19:18	20
2-Hexanone	7.0	U	40	7.0	ug/L			10/20/11 19:18	20
Methylene Chloride	3.0	U	100	3.0	ug/L			10/20/11 19:18	20
4-Methyl-2-pentanone (MIBK)	9.0	U	40	9.0	ug/L			10/20/11 19:18	20
Styrene	1.4	U	20	1.4	ug/L			10/20/11 19:18	20
1,1,2,2-Tetrachloroethane	4.4	U	20	4.4	ug/L			10/20/11 19:18	20
Tetrachloroethene	2.6	U	20	2.6	ug/L			10/20/11 19:18	20
Toluene	**87**		20	3.0	ug/L			10/20/11 19:18	20
1,1,1-Trichloroethane	3.0	U	20	3.0	ug/L			10/20/11 19:18	20
1,1,2-Trichloroethane	5.6	U	20	5.6	ug/L			10/20/11 19:18	20
Trichloroethene	3.6	U	20	3.6	ug/L			10/20/11 19:18	20
Vinyl acetate	4.2	U	40	4.2	ug/L			10/20/11 19:18	20
Vinyl chloride	**54**		40	2.2	ug/L			10/20/11 19:18	20
o-Xylene	**7.4**	**J**	20	2.4	ug/L			10/20/11 19:18	20
m-Xylene & p-Xylene	**15**	**J**	20	3.4	ug/L			10/20/11 19:18	20
Xylenes, Total	**22**		20	5.2	ug/L			10/20/11 19:18	20
cis-1,2-Dichloroethene	1.2	U	20	1.2	ug/L			10/20/11 19:18	20
Bromodichloromethane	3.2	U	20	3.2	ug/L			10/20/11 19:18	20
1,2-Dichloroethene, Total	6.0	U	20	6.0	ug/L			10/20/11 19:18	20

Client Sample ID: MW-71-24-1

Lab Sample ID: 600-44501-2

Date Collected: 10/11/11 10:50
Date Received: 10/12/11 10:58

Matrix: Water

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		70 - 130		10/20/11 19:18	20
Dibromofluoromethane	75		62 - 130		10/20/11 19:18	20
4-Bromofluorobenzene	72		67 - 139		10/20/11 19:18	20
1,2-Dichloroethane-d4 (Surr)	71		50 - 134		10/20/11 19:18	20

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1800**		100	8.0	ug/L			10/20/11 19:47	100

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	110		70 - 130		10/20/11 19:47	100
Dibromofluoromethane	84		62 - 130		10/20/11 19:47	100
4-Bromofluorobenzene	78		67 - 139		10/20/11 19:47	100
1,2-Dichloroethane-d4 (Surr)	79		50 - 134		10/20/11 19:47	100

Client Sample ID: MW-8-pre24-1

Lab Sample ID: 600-44501-3

Date Collected: 10/11/11 11:30
Date Received: 10/12/11 10:58

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	20	U	100	20	ug/L			10/19/11 19:33	20
Chlorobromomethane	3.6	U	20	3.6	ug/L			10/19/11 19:33	20
Bromoform	3.8	U	20	3.8	ug/L			10/19/11 19:33	20
Bromomethane	5.0	U	40	5.0	ug/L			10/19/11 19:33	20
2-Butanone (MEK)	15	U	40	15	ug/L			10/19/11 19:33	20
Carbon disulfide	4.8	U	40	4.8	ug/L			10/19/11 19:33	20
Carbon tetrachloride	3.0	U	20	3.0	ug/L			10/19/11 19:33	20
Dibromochloromethane	3.0	U	20	3.0	ug/L			10/19/11 19:33	20
Chlorobenzene	**200**		20	2.4	ug/L			10/19/11 19:33	20
Chloroethane	1.6	U	40	1.6	ug/L			10/19/11 19:33	20
Chloroform	2.6	U	20	2.6	ug/L			10/19/11 19:33	20
Chloromethane	3.6	U	40	3.6	ug/L			10/19/11 19:33	20
1,1-Dichloroethane	**680**		20	2.2	ug/L			10/19/11 19:33	20
1,2-Dichloroethane	2.8	U	20	2.8	ug/L			10/19/11 19:33	20
1,1-Dichloroethene	**42**		20	3.8	ug/L			10/19/11 19:33	20
trans-1,2-Dichloroethene	**3.6**	**J**	20	1.8	ug/L			10/19/11 19:33	20
1,2-Dichloropropane	3.2	U	20	3.2	ug/L			10/19/11 19:33	20
cis-1,3-Dichloropropene	3.6	U	20	3.6	ug/L			10/19/11 19:33	20
trans-1,3-Dichloropropene	4.2	U	20	4.2	ug/L			10/19/11 19:33	20
Ethylbenzene	**350**		20	2.2	ug/L			10/19/11 19:33	20
2-Hexanone	7.0	U	40	7.0	ug/L			10/19/11 19:33	20
Methylene Chloride	3.0	U	100	3.0	ug/L			10/19/11 19:33	20
4-Methyl-2-pentanone (MIBK)	9.0	U	40	9.0	ug/L			10/19/11 19:33	20
Styrene	1.4	U	20	1.4	ug/L			10/19/11 19:33	20
1,1,2,2-Tetrachloroethane	4.4	U	20	4.4	ug/L			10/19/11 19:33	20
Tetrachloroethene	2.6	U	20	2.6	ug/L			10/19/11 19:33	20
Toluene	**67**		20	3.0	ug/L			10/19/11 19:33	20
1,1,1-Trichloroethane	3.0	U	20	3.0	ug/L			10/19/11 19:33	20
1,1,2-Trichloroethane	5.6	U	20	5.6	ug/L			10/19/11 19:33	20

Client Sample ID: MW-8-pre24-1

Lab Sample ID: 600-44501-3

Date Collected: 10/11/11 11:30

Matrix: Water

Date Received: 10/12/11 10:58

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	3.6	U	20	3.6	ug/L			10/19/11 19:33	20
Vinyl acetate	4.2	U	40	4.2	ug/L			10/19/11 19:33	20
Vinyl chloride	**83**		40	2.2	ug/L			10/19/11 19:33	20
o-Xylene	**5.6**	**J**	20	2.4	ug/L			10/19/11 19:33	20
m-Xylene & p-Xylene	**12**	**J**	20	3.4	ug/L			10/19/11 19:33	20
Xylenes, Total	**18**	**J**	20	5.2	ug/L			10/19/11 19:33	20
cis-1,2-Dichloroethene	**3.3**	**J**	20	1.2	ug/L			10/19/11 19:33	20
Bromodichloromethane	3.2	U	20	3.2	ug/L			10/19/11 19:33	20
1,2-Dichloroethene, Total	**6.9**	**J**	20	6.0	ug/L			10/19/11 19:33	20

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*70 - 130*		*10/19/11 19:33*	*20*
Dibromofluoromethane	*81*		*62 - 130*		*10/19/11 19:33*	*20*
4-Bromofluorobenzene	*79*		*67 - 139*		*10/19/11 19:33*	*20*
1,2-Dichloroethane-d4 (Surr)	*79*		*50 - 134*		*10/19/11 19:33*	*20*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**930**		100	8.0	ug/L			10/20/11 18:22	100

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*70 - 130*		*10/20/11 18:22*	*100*
Dibromofluoromethane	*82*		*62 - 130*		*10/20/11 18:22*	*100*
4-Bromofluorobenzene	*78*		*67 - 139*		*10/20/11 18:22*	*100*
1,2-Dichloroethane-d4 (Surr)	*77*		*50 - 134*		*10/20/11 18:22*	*100*

Client Sample ID: MW-11-pre24-1

Lab Sample ID: 600-44501-4

Date Collected: 10/11/11 11:45

Matrix: Water

Date Received: 10/12/11 10:58

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	20	U	100	20	ug/L			10/19/11 17:12	20
Benzene	**140**		20	1.6	ug/L			10/19/11 17:12	20
Chlorobromomethane	3.6	U	20	3.6	ug/L			10/19/11 17:12	20
Bromoform	3.8	U	20	3.8	ug/L			10/19/11 17:12	20
Bromomethane	5.0	U	40	5.0	ug/L			10/19/11 17:12	20
2-Butanone (MEK)	15	U	40	15	ug/L			10/19/11 17:12	20
Carbon disulfide	4.8	U	40	4.8	ug/L			10/19/11 17:12	20
Carbon tetrachloride	3.0	U	20	3.0	ug/L			10/19/11 17:12	20
Dibromochloromethane	3.0	U	20	3.0	ug/L			10/19/11 17:12	20
Chlorobenzene	**380**		20	2.4	ug/L			10/19/11 17:12	20
Chloroethane	1.6	U	40	1.6	ug/L			10/19/11 17:12	20
Chloroform	2.6	U	20	2.6	ug/L			10/19/11 17:12	20
Chloromethane	3.6	U	40	3.6	ug/L			10/19/11 17:12	20
1,1-Dichloroethene	**410**		20	3.8	ug/L			10/19/11 17:12	20
1,2-Dichloropropane	3.2	U	20	3.2	ug/L			10/19/11 17:12	20
cis-1,3-Dichloropropene	3.6	U	20	3.6	ug/L			10/19/11 17:12	20
trans-1,3-Dichloropropene	4.2	U	20	4.2	ug/L			10/19/11 17:12	20
Ethylbenzene	**44**		20	2.2	ug/L			10/19/11 17:12	20

Client Sample ID: MW-11-pre24-1

Lab Sample ID: 600-44501-4

Date Collected: 10/11/11 11:45

Matrix: Water

Date Received: 10/12/11 10:58

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	7.0	U	40	7.0	ug/L			10/19/11 17:12	20
Methylene Chloride	3.0	U	100	3.0	ug/L			10/19/11 17:12	20
4-Methyl-2-pentanone (MIBK)	9.0	U	40	9.0	ug/L			10/19/11 17:12	20
Styrene	**3.6**	**J**	20	1.4	ug/L			10/19/11 17:12	20
1,1,2,2-Tetrachloroethane	4.4	U	20	4.4	ug/L			10/19/11 17:12	20
Tetrachloroethene	**6.8**	**J**	20	2.6	ug/L			10/19/11 17:12	20
Toluene	**17**	**J**	20	3.0	ug/L			10/19/11 17:12	20
1,1,1-Trichloroethane	3.0	U	20	3.0	ug/L			10/19/11 17:12	20
1,1,2-Trichloroethane	**49**		20	5.6	ug/L			10/19/11 17:12	20
Trichloroethene	**720**		20	3.6	ug/L			10/19/11 17:12	20
Vinyl acetate	4.2	U	40	4.2	ug/L			10/19/11 17:12	20
o-Xylene	2.4	U	20	2.4	ug/L			10/19/11 17:12	20
m-Xylene & p-Xylene	3.4	U	20	3.4	ug/L			10/19/11 17:12	20
Xylenes, Total	5.2	U	20	5.2	ug/L			10/19/11 17:12	20
Bromodichloromethane	3.2	U	20	3.2	ug/L			10/19/11 17:12	20

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*70 - 130*		*10/19/11 17:12*	*20*
Dibromofluoromethane	*82*		*62 - 130*		*10/19/11 17:12*	*20*
4-Bromofluorobenzene	*76*		*67 - 139*		*10/19/11 17:12*	*20*
1,2-Dichloroethane-d4 (Surr)	*83*		*50 - 134*		*10/19/11 17:12*	*20*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	**1100**		400	44	ug/L			10/20/11 13:13	400
1,2-Dichloroethane	**2400**		400	56	ug/L			10/20/11 13:13	400
trans-1,2-Dichloroethene	**1300**		400	36	ug/L			10/20/11 13:13	400
Vinyl chloride	**10000**		800	44	ug/L			10/20/11 13:13	400
cis-1,2-Dichloroethene	**2200**		400	24	ug/L			10/20/11 13:13	400
1,2-Dichloroethene, Total	**3500**		400	120	ug/L			10/20/11 13:13	400

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*105*		*70 - 130*		*10/20/11 13:13*	*400*
Dibromofluoromethane	*79*		*62 - 130*		*10/20/11 13:13*	*400*
4-Bromofluorobenzene	*78*		*67 - 139*		*10/20/11 13:13*	*400*
1,2-Dichloroethane-d4 (Surr)	*74*		*50 - 134*		*10/20/11 13:13*	*400*

Client Sample ID: MW-8-24-1

Lab Sample ID: 600-44501-5

Date Collected: 10/11/11 12:35

Matrix: Water

Date Received: 10/12/11 10:58

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	20	U	100	20	ug/L			10/19/11 17:40	20
Benzene	**830**		20	1.6	ug/L			10/19/11 17:40	20
Chlorobromomethane	3.6	U	20	3.6	ug/L			10/19/11 17:40	20
Bromoform	3.8	U	20	3.8	ug/L			10/19/11 17:40	20
Bromomethane	5.0	U	40	5.0	ug/L			10/19/11 17:40	20
2-Butanone (MEK)	**180**		40	15	ug/L			10/19/11 17:40	20
Carbon disulfide	4.8	U	40	4.8	ug/L			10/19/11 17:40	20

Client: Groundwater Services, Inc.
Project/Site: N-80- G-3880

TestAmerica Job ID: 600-44501-1

Client Sample ID: MW-8-24-1
Date Collected: 10/11/11 12:35
Date Received: 10/12/11 10:58

Lab Sample ID: 600-44501-5
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	3.0	U	20	3.0	ug/L			10/19/11 17:40	20
Dibromochloromethane	3.0	U	20	3.0	ug/L			10/19/11 17:40	20
Chlorobenzene	**120**		20	2.4	ug/L			10/19/11 17:40	20
Chloroethane	1.6	U	40	1.6	ug/L			10/19/11 17:40	20
Chloroform	2.6	U	20	2.6	ug/L			10/19/11 17:40	20
Chloromethane	3.6	U	40	3.6	ug/L			10/19/11 17:40	20
1,1-Dichloroethane	**250**		20	2.2	ug/L			10/19/11 17:40	20
1,2-Dichloroethane	2.8	U	20	2.8	ug/L			10/19/11 17:40	20
1,1-Dichloroethene	**76**		20	3.8	ug/L			10/19/11 17:40	20
trans-1,2-Dichloroethene	**240**		20	1.8	ug/L			10/19/11 17:40	20
1,2-Dichloropropane	3.2	U	20	3.2	ug/L			10/19/11 17:40	20
cis-1,3-Dichloropropene	3.6	U	20	3.6	ug/L			10/19/11 17:40	20
trans-1,3-Dichloropropene	4.2	U	20	4.2	ug/L			10/19/11 17:40	20
Ethylbenzene	**790**		20	2.2	ug/L			10/19/11 17:40	20
2-Hexanone	7.0	U	40	7.0	ug/L			10/19/11 17:40	20
Methylene Chloride	3.0	U	100	3.0	ug/L			10/19/11 17:40	20
4-Methyl-2-pentanone (MIBK)	9.0	U	40	9.0	ug/L			10/19/11 17:40	20
Styrene	**3.5**	**J**	20	1.4	ug/L			10/19/11 17:40	20
1,1,2,2-Tetrachloroethane	4.4	U	20	4.4	ug/L			10/19/11 17:40	20
Tetrachloroethene	2.6	U	20	2.6	ug/L			10/19/11 17:40	20
Toluene	3.0	U	20	3.0	ug/L			10/19/11 17:40	20
1,1,1-Trichloroethane	3.0	U	20	3.0	ug/L			10/19/11 17:40	20
1,1,2-Trichloroethane	5.6	U	20	5.6	ug/L			10/19/11 17:40	20
Trichloroethene	**9.5**	**J**	20	3.6	ug/L			10/19/11 17:40	20
Vinyl acetate	4.2	U	40	4.2	ug/L			10/19/11 17:40	20
o-Xylene	**12**	**J**	20	2.4	ug/L			10/19/11 17:40	20
m-Xylene & p-Xylene	**19**	**J**	20	3.4	ug/L			10/19/11 17:40	20
Xylenes, Total	**31**		20	5.2	ug/L			10/19/11 17:40	20
cis-1,2-Dichloroethene	**45**		20	1.2	ug/L			10/19/11 17:40	20
Bromodichloromethane	3.2	U	20	3.2	ug/L			10/19/11 17:40	20
1,2-Dichloroethene, Total	**290**		20	6.0	ug/L			10/19/11 17:40	20

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*70 - 130*		*10/19/11 17:40*	*20*
Dibromofluoromethane	*82*		*62 - 130*		*10/19/11 17:40*	*20*
4-Bromofluorobenzene	*77*		*67 - 139*		*10/19/11 17:40*	*20*
1,2-Dichloroethane-d4 (Surr)	*79*		*50 - 134*		*10/19/11 17:40*	*20*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**3400**		400	22	ug/L			10/20/11 16:57	200

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*70 - 130*		*10/20/11 16:57*	*200*
Dibromofluoromethane	*81*		*62 - 130*		*10/20/11 16:57*	*200*
4-Bromofluorobenzene	*78*		*67 - 139*		*10/20/11 16:57*	*200*
1,2-Dichloroethane-d4 (Surr)	*76*		*50 - 134*		*10/20/11 16:57*	*200*

Client Sample Results

Client: Groundwater Services, Inc.
Project/Site: N-80- G-3880

TestAmerica Job ID: 600-44501-1

Client Sample ID: MW-11-24-1

Date Collected: 10/11/11 12:50
Date Received: 10/12/11 10:58

Lab Sample ID: 600-44501-6

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	20	U	100	20	ug/L			10/19/11 18:08	20
Benzene	**130**		20	1.6	ug/L			10/19/11 18:08	20
Chlorobromomethane	3.6	U	20	3.6	ug/L			10/19/11 18:08	20
Bromoform	3.8	U	20	3.8	ug/L			10/19/11 18:08	20
Bromomethane	5.0	U	40	5.0	ug/L			10/19/11 18:08	20
2-Butanone (MEK)	15	U	40	15	ug/L			10/19/11 18:08	20
Carbon disulfide	4.8	U	40	4.8	ug/L			10/19/11 18:08	20
Carbon tetrachloride	3.0	U	20	3.0	ug/L			10/19/11 18:08	20
Dibromochloromethane	3.0	U	20	3.0	ug/L			10/19/11 18:08	20
Chlorobenzene	**370**		20	2.4	ug/L			10/19/11 18:08	20
Chloroethane	1.6	U	40	1.6	ug/L			10/19/11 18:08	20
Chloroform	2.6	U	20	2.6	ug/L			10/19/11 18:08	20
Chloromethane	3.6	U	40	3.6	ug/L			10/19/11 18:08	20
1,1-Dichloroethene	**460**		20	3.8	ug/L			10/19/11 18:08	20
1,2-Dichloropropane	3.2	U	20	3.2	ug/L			10/19/11 18:08	20
cis-1,3-Dichloropropene	3.6	U	20	3.6	ug/L			10/19/11 18:08	20
trans-1,3-Dichloropropene	4.2	U	20	4.2	ug/L			10/19/11 18:08	20
Ethylbenzene	**33**		20	2.2	ug/L			10/19/11 18:08	20
2-Hexanone	7.0	U	40	7.0	ug/L			10/19/11 18:08	20
Methylene Chloride	3.0	U	100	3.0	ug/L			10/19/11 18:08	20
4-Methyl-2-pentanone (MIBK)	9.0	U	40	9.0	ug/L			10/19/11 18:08	20
Styrene	1.4	U	20	1.4	ug/L			10/19/11 18:08	20
1,1,2,2-Tetrachloroethane	4.4	U	20	4.4	ug/L			10/19/11 18:08	20
Tetrachloroethene	**6.2**	**J**	20	2.6	ug/L			10/19/11 18:08	20
Toluene	**15**	**J**	20	3.0	ug/L			10/19/11 18:08	20
1,1,1-Trichloroethane	3.0	U	20	3.0	ug/L			10/19/11 18:08	20
1,1,2-Trichloroethane	**18**	**J**	20	5.6	ug/L			10/19/11 18:08	20
Trichloroethene	**780**		20	3.6	ug/L			10/19/11 18:08	20
Vinyl acetate	4.2	U	40	4.2	ug/L			10/19/11 18:08	20
o-Xylene	2.4	U	20	2.4	ug/L			10/19/11 18:08	20
m-Xylene & p-Xylene	3.4	U	20	3.4	ug/L			10/19/11 18:08	20
Xylenes, Total	5.2	U	20	5.2	ug/L			10/19/11 18:08	20
Bromodichloromethane	3.2	U	20	3.2	ug/L			10/19/11 18:08	20

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*70 - 130*		*10/19/11 18:08*	*20*
Dibromofluoromethane	*84*		*62 - 130*		*10/19/11 18:08*	*20*
4-Bromofluorobenzene	*75*		*67 - 139*		*10/19/11 18:08*	*20*
1,2-Dichloroethane-d4 (Surr)	*84*		*50 - 134*		*10/19/11 18:08*	*20*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	**1100**		500	55	ug/L			10/20/11 17:26	500
1,2-Dichloroethane	**3100**		500	70	ug/L			10/20/11 17:26	500
trans-1,2-Dichloroethene	**1700**		500	45	ug/L			10/20/11 17:26	500
Vinyl chloride	**13000**		1000	55	ug/L			10/20/11 17:26	500
cis-1,2-Dichloroethene	**2900**		500	30	ug/L			10/20/11 17:26	500
1,2-Dichloroethene, Total	**4600**		500	150	ug/L			10/20/11 17:26	500

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*91*		*70 - 130*		*10/20/11 17:26*	*500*

Client Sample ID: MW-11-24-1

Lab Sample ID: 600-44501-6

Date Collected: 10/11/11 12:50
Date Received: 10/12/11 10:58

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*70*		*62 - 130*		*10/20/11 17:26*	*500*
4-Bromofluorobenzene	*68*		*67 - 139*		*10/20/11 17:26*	*500*
1,2-Dichloroethane-d4 (Surr)	*67*		*50 - 134*		*10/20/11 17:26*	*500*

Client Sample ID: MW-40-pre24-1

Lab Sample ID: 600-44501-7

Date Collected: 10/11/11 13:55
Date Received: 10/12/11 10:58

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	20	U	100	20	ug/L			10/19/11 18:37	20
Benzene	**120**		20	1.6	ug/L			10/19/11 18:37	20
Chlorobromomethane	3.6	U	20	3.6	ug/L			10/19/11 18:37	20
Bromoform	3.8	U	20	3.8	ug/L			10/19/11 18:37	20
Bromomethane	5.0	U	40	5.0	ug/L			10/19/11 18:37	20
2-Butanone (MEK)	15	U	40	15	ug/L			10/19/11 18:37	20
Carbon disulfide	4.8	U	40	4.8	ug/L			10/19/11 18:37	20
Carbon tetrachloride	3.0	U	20	3.0	ug/L			10/19/11 18:37	20
Dibromochloromethane	3.0	U	20	3.0	ug/L			10/19/11 18:37	20
Chlorobenzene	**430**		20	2.4	ug/L			10/19/11 18:37	20
Chloroethane	1.6	U	40	1.6	ug/L			10/19/11 18:37	20
Chloroform	2.6	U	20	2.6	ug/L			10/19/11 18:37	20
Chloromethane	3.6	U	40	3.6	ug/L			10/19/11 18:37	20
1,1-Dichloroethane	**530**		20	2.2	ug/L			10/19/11 18:37	20
1,2-Dichloroethane	2.8	U	20	2.8	ug/L			10/19/11 18:37	20
1,1-Dichloroethene	**45**		20	3.8	ug/L			10/19/11 18:37	20
trans-1,2-Dichloroethene	**24**		20	1.8	ug/L			10/19/11 18:37	20
1,2-Dichloropropane	3.2	U	20	3.2	ug/L			10/19/11 18:37	20
cis-1,3-Dichloropropene	3.6	U	20	3.6	ug/L			10/19/11 18:37	20
trans-1,3-Dichloropropene	4.2	U	20	4.2	ug/L			10/19/11 18:37	20
Ethylbenzene	**140**		20	2.2	ug/L			10/19/11 18:37	20
2-Hexanone	7.0	U	40	7.0	ug/L			10/19/11 18:37	20
Methylene Chloride	3.0	U	100	3.0	ug/L			10/19/11 18:37	20
4-Methyl-2-pentanone (MIBK)	9.0	U	40	9.0	ug/L			10/19/11 18:37	20
Styrene	1.4	U	20	1.4	ug/L			10/19/11 18:37	20
1,1,2,2-Tetrachloroethane	4.4	U	20	4.4	ug/L			10/19/11 18:37	20
Tetrachloroethene	2.6	U	20	2.6	ug/L			10/19/11 18:37	20
Toluene	**32**		20	3.0	ug/L			10/19/11 18:37	20
1,1,1-Trichloroethane	3.0	U	20	3.0	ug/L			10/19/11 18:37	20
1,1,2-Trichloroethane	5.6	U	20	5.6	ug/L			10/19/11 18:37	20
Trichloroethene	**7.9**	**J**	20	3.6	ug/L			10/19/11 18:37	20
Vinyl acetate	4.2	U	40	4.2	ug/L			10/19/11 18:37	20
Vinyl chloride	**830**		40	2.2	ug/L			10/19/11 18:37	20
o-Xylene	2.4	U	20	2.4	ug/L			10/19/11 18:37	20
m-Xylene & p-Xylene	3.4	U	20	3.4	ug/L			10/19/11 18:37	20
Xylenes, Total	5.2	U	20	5.2	ug/L			10/19/11 18:37	20
cis-1,2-Dichloroethene	**13**	**J**	20	1.2	ug/L			10/19/11 18:37	20
Bromodichloromethane	3.2	U	20	3.2	ug/L			10/19/11 18:37	20
1,2-Dichloroethene, Total	**37**		20	6.0	ug/L			10/19/11 18:37	20

Client Sample ID: MW-40-pre24-1

Lab Sample ID: 600-44501-7

Date Collected: 10/11/11 13:55
Date Received: 10/12/11 10:58

Matrix: Water

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	105		70 - 130		10/19/11 18:37	20
Dibromofluoromethane	79		62 - 130		10/19/11 18:37	20
4-Bromofluorobenzene	75		67 - 139		10/19/11 18:37	20
1,2-Dichloroethane-d4 (Surr)	78		50 - 134		10/19/11 18:37	20

Client Sample ID: MW-68-pre24-1

Lab Sample ID: 600-44501-8

Date Collected: 10/11/11 14:05
Date Received: 10/12/11 10:58

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	20	U	100	20	ug/L			10/19/11 19:05	20
Benzene	**64**		20	1.6	ug/L			10/19/11 19:05	20
Chlorobromomethane	3.6	U	20	3.6	ug/L			10/19/11 19:05	20
Bromoform	3.8	U	20	3.8	ug/L			10/19/11 19:05	20
Bromomethane	5.0	U	40	5.0	ug/L			10/19/11 19:05	20
2-Butanone (MEK)	15	U	40	15	ug/L			10/19/11 19:05	20
Carbon disulfide	4.8	U	40	4.8	ug/L			10/19/11 19:05	20
Carbon tetrachloride	3.0	U	20	3.0	ug/L			10/19/11 19:05	20
Dibromochloromethane	3.0	U	20	3.0	ug/L			10/19/11 19:05	20
Chlorobenzene	**53**		20	2.4	ug/L			10/19/11 19:05	20
Chloroethane	1.6	U	40	1.6	ug/L			10/19/11 19:05	20
Chloroform	2.6	U	20	2.6	ug/L			10/19/11 19:05	20
Chloromethane	3.6	U	40	3.6	ug/L			10/19/11 19:05	20
1,1-Dichloroethane	**180**		20	2.2	ug/L			10/19/11 19:05	20
1,2-Dichloroethane	2.8	U	20	2.8	ug/L			10/19/11 19:05	20
1,1-Dichloroethene	**45**		20	3.8	ug/L			10/19/11 19:05	20
trans-1,2-Dichloroethene	**170**		20	1.8	ug/L			10/19/11 19:05	20
1,2-Dichloropropane	3.2	U	20	3.2	ug/L			10/19/11 19:05	20
cis-1,3-Dichloropropene	3.6	U	20	3.6	ug/L			10/19/11 19:05	20
trans-1,3-Dichloropropene	4.2	U	20	4.2	ug/L			10/19/11 19:05	20
Ethylbenzene	**170**		20	2.2	ug/L			10/19/11 19:05	20
2-Hexanone	7.0	U	40	7.0	ug/L			10/19/11 19:05	20
Methylene Chloride	3.0	U	100	3.0	ug/L			10/19/11 19:05	20
4-Methyl-2-pentanone (MIBK)	9.0	U	40	9.0	ug/L			10/19/11 19:05	20
Styrene	1.4	U	20	1.4	ug/L			10/19/11 19:05	20
1,1,2,2-Tetrachloroethane	4.4	U	20	4.4	ug/L			10/19/11 19:05	20
Tetrachloroethene	2.6	U	20	2.6	ug/L			10/19/11 19:05	20
Toluene	**24**		20	3.0	ug/L			10/19/11 19:05	20
1,1,1-Trichloroethane	3.0	U	20	3.0	ug/L			10/19/11 19:05	20
1,1,2-Trichloroethane	5.6	U	20	5.6	ug/L			10/19/11 19:05	20
Trichloroethene	3.6	U	20	3.6	ug/L			10/19/11 19:05	20
Vinyl acetate	4.2	U	40	4.2	ug/L			10/19/11 19:05	20
o-Xylene	2.4	U	20	2.4	ug/L			10/19/11 19:05	20
m-Xylene & p-Xylene	**140**		20	3.4	ug/L			10/19/11 19:05	20
Xylenes, Total	**140**		20	5.2	ug/L			10/19/11 19:05	20
cis-1,2-Dichloroethene	**12**	**J**	20	1.2	ug/L			10/19/11 19:05	20
Bromodichloromethane	3.2	U	20	3.2	ug/L			10/19/11 19:05	20
1,2-Dichloroethene, Total	**180**		20	6.0	ug/L			10/19/11 19:05	20

Client Sample ID: MW-68-pre24-1

Lab Sample ID: 600-44501-8

Date Collected: 10/11/11 14:05
Date Received: 10/12/11 10:58

Matrix: Water

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		70 - 130		10/19/11 19:05	20
Dibromofluoromethane	81		62 - 130		10/19/11 19:05	20
4-Bromofluorobenzene	77		67 - 139		10/19/11 19:05	20
1,2-Dichloroethane-d4 (Surr)	81		50 - 134		10/19/11 19:05	20

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**2400**		400	22	ug/L			10/20/11 17:54	200

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	105		70 - 130		10/20/11 17:54	200
Dibromofluoromethane	83		62 - 130		10/20/11 17:54	200
4-Bromofluorobenzene	77		67 - 139		10/20/11 17:54	200
1,2-Dichloroethane-d4 (Surr)	79		50 - 134		10/20/11 17:54	200

Client Sample ID: MW-40-24-1

Lab Sample ID: 600-44501-9

Date Collected: 10/11/11 15:00
Date Received: 10/12/11 10:58

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	20	U	100	20	ug/L			10/19/11 15:48	20
Benzene	**82**		20	1.6	ug/L			10/19/11 15:48	20
Chlorobromomethane	3.6	U	20	3.6	ug/L			10/19/11 15:48	20
Bromoform	3.8	U	20	3.8	ug/L			10/19/11 15:48	20
Bromomethane	5.0	U	40	5.0	ug/L			10/19/11 15:48	20
2-Butanone (MEK)	15	U	40	15	ug/L			10/19/11 15:48	20
Carbon disulfide	4.8	U	40	4.8	ug/L			10/19/11 15:48	20
Carbon tetrachloride	3.0	U	20	3.0	ug/L			10/19/11 15:48	20
Dibromochloromethane	3.0	U	20	3.0	ug/L			10/19/11 15:48	20
Chlorobenzene	**250**		20	2.4	ug/L			10/19/11 15:48	20
Chloroethane	1.6	U	40	1.6	ug/L			10/19/11 15:48	20
Chloroform	2.6	U	20	2.6	ug/L			10/19/11 15:48	20
Chloromethane	3.6	U	40	3.6	ug/L			10/19/11 15:48	20
1,1-Dichloroethane	**390**		20	2.2	ug/L			10/19/11 15:48	20
1,2-Dichloroethane	2.8	U	20	2.8	ug/L			10/19/11 15:48	20
1,1-Dichloroethene	**53**		20	3.8	ug/L			10/19/11 15:48	20
trans-1,2-Dichloroethene	**5.1**	**J**	20	1.8	ug/L			10/19/11 15:48	20
1,2-Dichloropropane	3.2	U	20	3.2	ug/L			10/19/11 15:48	20
cis-1,3-Dichloropropene	3.6	U	20	3.6	ug/L			10/19/11 15:48	20
trans-1,3-Dichloropropene	4.2	U	20	4.2	ug/L			10/19/11 15:48	20
Ethylbenzene	**69**		20	2.2	ug/L			10/19/11 15:48	20
2-Hexanone	7.0	U	40	7.0	ug/L			10/19/11 15:48	20
Methylene Chloride	3.0	U	100	3.0	ug/L			10/19/11 15:48	20
4-Methyl-2-pentanone (MIBK)	9.0	U	40	9.0	ug/L			10/19/11 15:48	20
Styrene	1.4	U	20	1.4	ug/L			10/19/11 15:48	20
1,1,2,2-Tetrachloroethane	4.4	U	20	4.4	ug/L			10/19/11 15:48	20
Tetrachloroethene	**5.9**	**J**	20	2.6	ug/L			10/19/11 15:48	20
Toluene	**18**	**J**	20	3.0	ug/L			10/19/11 15:48	20
1,1,1-Trichloroethane	3.0	U	20	3.0	ug/L			10/19/11 15:48	20

Client Sample ID: MW-40-24-1

Lab Sample ID: 600-44501-9

Date Collected: 10/11/11 15:00
Date Received: 10/12/11 10:58

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	5.6	U	20	5.6	ug/L			10/19/11 15:48	20
Trichloroethene	3.6	U	20	3.6	ug/L			10/19/11 15:48	20
Vinyl acetate	4.2	U	40	4.2	ug/L			10/19/11 15:48	20
Vinyl chloride	**230**		40	2.2	ug/L			10/19/11 15:48	20
o-Xylene	2.4	U	20	2.4	ug/L			10/19/11 15:48	20
m-Xylene & p-Xylene	3.4	U	20	3.4	ug/L			10/19/11 15:48	20
Xylenes, Total	5.2	U	20	5.2	ug/L			10/19/11 15:48	20
cis-1,2-Dichloroethene	**14**	**J**	20	1.2	ug/L			10/19/11 15:48	20
Bromodichloromethane	3.2	U	20	3.2	ug/L			10/19/11 15:48	20
1,2-Dichloroethene, Total	**19**	**J**	20	6.0	ug/L			10/19/11 15:48	20

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*70 - 130*		*10/19/11 15:48*	*20*
Dibromofluoromethane	*82*		*62 - 130*		*10/19/11 15:48*	*20*
4-Bromofluorobenzene	*76*		*67 - 139*		*10/19/11 15:48*	*20*
1,2-Dichloroethane-d4 (Surr)	*82*		*50 - 134*		*10/19/11 15:48*	*20*

Client Sample ID: MW-68-24-1

Lab Sample ID: 600-44501-10

Date Collected: 10/11/11 15:10
Date Received: 10/12/11 10:58

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	20	U	100	20	ug/L			10/19/11 16:16	20
Benzene	**110**		20	1.6	ug/L			10/19/11 16:16	20
Chlorobromomethane	3.6	U	20	3.6	ug/L			10/19/11 16:16	20
Bromoform	3.8	U	20	3.8	ug/L			10/19/11 16:16	20
Bromomethane	5.0	U	40	5.0	ug/L			10/19/11 16:16	20
2-Butanone (MEK)	15	U	40	15	ug/L			10/19/11 16:16	20
Carbon disulfide	4.8	U	40	4.8	ug/L			10/19/11 16:16	20
Carbon tetrachloride	3.0	U	20	3.0	ug/L			10/19/11 16:16	20
Dibromochloromethane	3.0	U	20	3.0	ug/L			10/19/11 16:16	20
Chlorobenzene	**57**		20	2.4	ug/L			10/19/11 16:16	20
Chloroethane	1.6	U	40	1.6	ug/L			10/19/11 16:16	20
Chloroform	2.6	U	20	2.6	ug/L			10/19/11 16:16	20
Chloromethane	**61**		40	3.6	ug/L			10/19/11 16:16	20
1,1-Dichloroethane	**170**		20	2.2	ug/L			10/19/11 16:16	20
1,2-Dichloroethane	2.8	U	20	2.8	ug/L			10/19/11 16:16	20
1,1-Dichloroethene	**52**		20	3.8	ug/L			10/19/11 16:16	20
trans-1,2-Dichloroethene	**300**		20	1.8	ug/L			10/19/11 16:16	20
1,2-Dichloropropane	3.2	U	20	3.2	ug/L			10/19/11 16:16	20
cis-1,3-Dichloropropene	3.6	U	20	3.6	ug/L			10/19/11 16:16	20
trans-1,3-Dichloropropene	4.2	U	20	4.2	ug/L			10/19/11 16:16	20
Ethylbenzene	**280**		20	2.2	ug/L			10/19/11 16:16	20
2-Hexanone	7.0	U	40	7.0	ug/L			10/19/11 16:16	20
Methylene Chloride	3.0	U	100	3.0	ug/L			10/19/11 16:16	20
4-Methyl-2-pentanone (MIBK)	9.0	U	40	9.0	ug/L			10/19/11 16:16	20
Styrene	1.4	U	20	1.4	ug/L			10/19/11 16:16	20
1,1,2,2-Tetrachloroethane	4.4	U	20	4.4	ug/L			10/19/11 16:16	20
Tetrachloroethene	2.6	U	20	2.6	ug/L			10/19/11 16:16	20

Client Sample ID: MW-68-24-1

Lab Sample ID: 600-44501-10

Date Collected: 10/11/11 15:10
Date Received: 10/12/11 10:58

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	**42**		20	3.0	ug/L			10/19/11 16:16	20
1,1,1-Trichloroethane	3.0	U	20	3.0	ug/L			10/19/11 16:16	20
1,1,2-Trichloroethane	5.6	U	20	5.6	ug/L			10/19/11 16:16	20
Trichloroethene	3.6	U	20	3.6	ug/L			10/19/11 16:16	20
Vinyl acetate	4.2	U	40	4.2	ug/L			10/19/11 16:16	20
o-Xylene	2.4	U	20	2.4	ug/L			10/19/11 16:16	20
m-Xylene & p-Xylene	3.4	U	20	3.4	ug/L			10/19/11 16:16	20
Xylenes, Total	5.2	U	20	5.2	ug/L			10/19/11 16:16	20
cis-1,2-Dichloroethene	**22**		20	1.2	ug/L			10/19/11 16:16	20
Bromodichloromethane	3.2	U	20	3.2	ug/L			10/19/11 16:16	20
1,2-Dichloroethene, Total	**320**		20	6.0	ug/L			10/19/11 16:16	20

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*70 - 130*		*10/19/11 16:16*	*20*
Dibromofluoromethane	*80*		*62 - 130*		*10/19/11 16:16*	*20*
4-Bromofluorobenzene	*79*		*67 - 139*		*10/19/11 16:16*	*20*
1,2-Dichloroethane-d4 (Surr)	*79*		*50 - 134*		*10/19/11 16:16*	*20*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**4100**		400	22	ug/L			10/20/11 11:48	200

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*70 - 130*		*10/20/11 11:48*	*200*
Dibromofluoromethane	*80*		*62 - 130*		*10/20/11 11:48*	*200*
4-Bromofluorobenzene	*76*		*67 - 139*		*10/20/11 11:48*	*200*
1,2-Dichloroethane-d4 (Surr)	*76*		*50 - 134*		*10/20/11 11:48*	*200*

Client Sample ID: MW-66-pre24-1

Lab Sample ID: 600-44501-11

Date Collected: 10/11/11 15:30
Date Received: 10/12/11 10:58

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**1100**		1000	200	ug/L			10/20/11 16:01	200
Benzene	**5800**		200	16	ug/L			10/20/11 16:01	200
Chlorobromomethane	36	U	200	36	ug/L			10/20/11 16:01	200
Bromoform	38	U	200	38	ug/L			10/20/11 16:01	200
Bromomethane	50	U	400	50	ug/L			10/20/11 16:01	200
2-Butanone (MEK)	150	U	400	150	ug/L			10/20/11 16:01	200
Carbon disulfide	48	U	400	48	ug/L			10/20/11 16:01	200
Carbon tetrachloride	30	U	200	30	ug/L			10/20/11 16:01	200
Dibromochloromethane	30	U	200	30	ug/L			10/20/11 16:01	200
Chlorobenzene	**1700**		200	24	ug/L			10/20/11 16:01	200
Chloroethane	16	U	400	16	ug/L			10/20/11 16:01	200
Chloroform	**34**	**J**	200	26	ug/L			10/20/11 16:01	200
Chloromethane	36	U	400	36	ug/L			10/20/11 16:01	200
1,1-Dichloroethane	**3200**		200	22	ug/L			10/20/11 16:01	200
1,1-Dichloroethene	**1900**		200	38	ug/L			10/20/11 16:01	200
trans-1,2-Dichloroethene	**2900**		200	18	ug/L			10/20/11 16:01	200

Client Sample ID: MW-66-pre24-1

Lab Sample ID: 600-44501-11

Date Collected: 10/11/11 15:30

Matrix: Water

Date Received: 10/12/11 10:58

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	32	U	200	32	ug/L			10/20/11 16:01	200
cis-1,3-Dichloropropene	36	U	200	36	ug/L			10/20/11 16:01	200
trans-1,3-Dichloropropene	42	U	200	42	ug/L			10/20/11 16:01	200
Ethylbenzene	**4500**		200	22	ug/L			10/20/11 16:01	200
2-Hexanone	70	U	400	70	ug/L			10/20/11 16:01	200
Methylene Chloride	**210**	**J**	1000	30	ug/L			10/20/11 16:01	200
4-Methyl-2-pentanone (MIBK)	90	U	400	90	ug/L			10/20/11 16:01	200
Styrene	**1400**		200	14	ug/L			10/20/11 16:01	200
1,1,2,2-Tetrachloroethane	44	U	200	44	ug/L			10/20/11 16:01	200
Tetrachloroethene	**190**	**J**	200	26	ug/L			10/20/11 16:01	200
Toluene	**2400**		200	30	ug/L			10/20/11 16:01	200
1,1,1-Trichloroethane	30	U	200	30	ug/L			10/20/11 16:01	200
Trichloroethene	**1100**		200	36	ug/L			10/20/11 16:01	200
Vinyl acetate	42	U	400	42	ug/L			10/20/11 16:01	200
o-Xylene	**25**	**J**	200	24	ug/L			10/20/11 16:01	200
m-Xylene & p-Xylene	34	U	200	34	ug/L			10/20/11 16:01	200
Xylenes, Total	52	U	200	52	ug/L			10/20/11 16:01	200
cis-1,2-Dichloroethene	**1300**		200	12	ug/L			10/20/11 16:01	200
Bromodichloromethane	32	U	200	32	ug/L			10/20/11 16:01	200
1,2-Dichloroethene, Total	**4200**		200	60	ug/L			10/20/11 16:01	200

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*105*		*70 - 130*		*10/20/11 16:01*	*200*
Dibromofluoromethane	*81*		*62 - 130*		*10/20/11 16:01*	*200*
4-Bromofluorobenzene	*76*		*67 - 139*		*10/20/11 16:01*	*200*
1,2-Dichloroethane-d4 (Surr)	*77*		*50 - 134*		*10/20/11 16:01*	*200*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	**150000**		5000	700	ug/L			10/20/11 16:29	5000
1,1,2-Trichloroethane	**79000**		5000	1400	ug/L			10/20/11 16:29	5000
Vinyl chloride	**65000**		10000	550	ug/L			10/20/11 16:29	5000

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*105*		*70 - 130*		*10/20/11 16:29*	*5000*
Dibromofluoromethane	*78*		*62 - 130*		*10/20/11 16:29*	*5000*
4-Bromofluorobenzene	*76*		*67 - 139*		*10/20/11 16:29*	*5000*
1,2-Dichloroethane-d4 (Surr)	*76*		*50 - 134*		*10/20/11 16:29*	*5000*

Client Sample ID: MW-4-pre24-1

Lab Sample ID: 600-44501-12

Date Collected: 10/11/11 15:45

Matrix: Water

Date Received: 10/12/11 10:58

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**470**		100	20	ug/L			10/20/11 20:14	20
Chlorobromomethane	3.6	U	20	3.6	ug/L			10/20/11 20:14	20
Bromoform	3.8	U	20	3.8	ug/L			10/20/11 20:14	20
Bromomethane	5.0	U	40	5.0	ug/L			10/20/11 20:14	20
2-Butanone (MEK)	**220**		40	15	ug/L			10/20/11 20:14	20

Client: Groundwater Services, Inc.
Project/Site: N-80- G-3880

TestAmerica Job ID: 600-44501-1

Client Sample ID: MW-4-pre24-1
Date Collected: 10/11/11 15:45
Date Received: 10/12/11 10:58

Lab Sample ID: 600-44501-12
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	**20**	**J**	40	4.8	ug/L			10/20/11 20:14	20
Carbon tetrachloride	3.0	U	20	3.0	ug/L			10/20/11 20:14	20
Dibromochloromethane	3.0	U	20	3.0	ug/L			10/20/11 20:14	20
Chloroethane	1.6	U	40	1.6	ug/L			10/20/11 20:14	20
Chloroform	2.6	U	20	2.6	ug/L			10/20/11 20:14	20
Chloromethane	3.6	U	40	3.6	ug/L			10/20/11 20:14	20
1,1-Dichloroethene	3.8	U	20	3.8	ug/L			10/20/11 20:14	20
1,2-Dichloropropane	3.2	U	20	3.2	ug/L			10/20/11 20:14	20
cis-1,3-Dichloropropene	3.6	U	20	3.6	ug/L			10/20/11 20:14	20
trans-1,3-Dichloropropene	4.2	U	20	4.2	ug/L			10/20/11 20:14	20
Ethylbenzene	**870**		20	2.2	ug/L			10/20/11 20:14	20
2-Hexanone	7.0	U	40	7.0	ug/L			10/20/11 20:14	20
Methylene Chloride	**17**	**J**	100	3.0	ug/L			10/20/11 20:14	20
4-Methyl-2-pentanone (MIBK)	9.0	U	40	9.0	ug/L			10/20/11 20:14	20
Styrene	**17**	**J**	20	1.4	ug/L			10/20/11 20:14	20
1,1,2,2-Tetrachloroethane	4.4	U	20	4.4	ug/L			10/20/11 20:14	20
Tetrachloroethene	**540**		20	2.6	ug/L			10/20/11 20:14	20
Toluene	**260**		20	3.0	ug/L			10/20/11 20:14	20
1,1,1-Trichloroethane	3.0	U	20	3.0	ug/L			10/20/11 20:14	20
1,1,2-Trichloroethane	5.6	U	20	5.6	ug/L			10/20/11 20:14	20
Vinyl acetate	4.2	U	40	4.2	ug/L			10/20/11 20:14	20
o-Xylene	**28**		20	2.4	ug/L			10/20/11 20:14	20
m-Xylene & p-Xylene	**41**		20	3.4	ug/L			10/20/11 20:14	20
Xylenes, Total	**69**		20	5.2	ug/L			10/20/11 20:14	20
Bromodichloromethane	3.2	U	20	3.2	ug/L			10/20/11 20:14	20

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*110*		*70 - 130*		*10/20/11 20:14*	*20*
Dibromofluoromethane	*88*		*62 - 130*		*10/20/11 20:14*	*20*
4-Bromofluorobenzene	*71*		*67 - 139*		*10/20/11 20:14*	*20*
1,2-Dichloroethane-d4 (Surr)	*98*		*50 - 134*		*10/20/11 20:14*	*20*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**5200**		500	40	ug/L			10/21/11 14:19	500
Chlorobenzene	**1200**		500	60	ug/L			10/21/11 14:19	500
1,1-Dichloroethane	**6000**		500	55	ug/L			10/21/11 14:19	500
trans-1,2-Dichloroethene	**10000**		500	45	ug/L			10/21/11 14:19	500
Trichloroethene	**1900**		500	90	ug/L			10/21/11 14:19	500
cis-1,2-Dichloroethene	**5100**		500	30	ug/L			10/21/11 14:19	500
1,2-Dichloroethene, Total	**15000**		500	150	ug/L			10/21/11 14:19	500

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*105*		*70 - 130*		*10/21/11 14:19*	*500*
Dibromofluoromethane	*80*		*62 - 130*		*10/21/11 14:19*	*500*
4-Bromofluorobenzene	*76*		*67 - 139*		*10/21/11 14:19*	*500*
1,2-Dichloroethane-d4 (Surr)	*71*		*50 - 134*		*10/21/11 14:19*	*500*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	**79000**		5000	700	ug/L			10/21/11 14:48	5000

Client Sample ID: MW-4-pre24-1

Lab Sample ID: 600-44501-12

Date Collected: 10/11/11 15:45
Date Received: 10/12/11 10:58

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2 (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**190000**		10000	550	ug/L			10/21/11 14:48	5000

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*70 - 130*		*10/21/11 14:48*	*5000*
Dibromofluoromethane	*75*		*62 - 130*		*10/21/11 14:48*	*5000*
4-Bromofluorobenzene	*75*		*67 - 139*		*10/21/11 14:48*	*5000*
1,2-Dichloroethane-d4 (Surr)	*70*		*50 - 134*		*10/21/11 14:48*	*5000*

Client Sample ID: MW-66-24-1

Lab Sample ID: 600-44501-13

Date Collected: 10/11/11 16:40
Date Received: 10/12/11 10:58

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**770**		100	20	ug/L			10/20/11 20:43	20
Chlorobromomethane	3.6	U	20	3.6	ug/L			10/20/11 20:43	20
Bromoform	3.8	U	20	3.8	ug/L			10/20/11 20:43	20
Bromomethane	5.0	U	40	5.0	ug/L			10/20/11 20:43	20
2-Butanone (MEK)	**190**		40	15	ug/L			10/20/11 20:43	20
Carbon disulfide	**5.2**	**J**	40	4.8	ug/L			10/20/11 20:43	20
Carbon tetrachloride	3.0	U	20	3.0	ug/L			10/20/11 20:43	20
Dibromochloromethane	3.0	U	20	3.0	ug/L			10/20/11 20:43	20
Chloroethane	1.6	U	40	1.6	ug/L			10/20/11 20:43	20
Chloroform	**43**		20	2.6	ug/L			10/20/11 20:43	20
Chloromethane	3.6	U	40	3.6	ug/L			10/20/11 20:43	20
1,1-Dichloroethene	3.8	U	20	3.8	ug/L			10/20/11 20:43	20
1,2-Dichloropropane	3.2	U	20	3.2	ug/L			10/20/11 20:43	20
cis-1,3-Dichloropropene	3.6	U	20	3.6	ug/L			10/20/11 20:43	20
trans-1,3-Dichloropropene	4.2	U	20	4.2	ug/L			10/20/11 20:43	20
2-Hexanone	7.0	U	40	7.0	ug/L			10/20/11 20:43	20
Methylene Chloride	**240**		100	3.0	ug/L			10/20/11 20:43	20
4-Methyl-2-pentanone (MIBK)	9.0	U	40	9.0	ug/L			10/20/11 20:43	20
1,1,2,2-Tetrachloroethane	**130**		20	4.4	ug/L			10/20/11 20:43	20
Tetrachloroethene	**43**		20	2.6	ug/L			10/20/11 20:43	20
1,1,1-Trichloroethane	3.0	U	20	3.0	ug/L			10/20/11 20:43	20
Vinyl acetate	4.2	U	40	4.2	ug/L			10/20/11 20:43	20
o-Xylene	2.4	U	20	2.4	ug/L			10/20/11 20:43	20
m-Xylene & p-Xylene	**20**		20	3.4	ug/L			10/20/11 20:43	20
Xylenes, Total	**20**		20	5.2	ug/L			10/20/11 20:43	20
Bromodichloromethane	3.2	U	20	3.2	ug/L			10/20/11 20:43	20

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*126*		*70 - 130*		*10/20/11 20:43*	*20*
Dibromofluoromethane	*80*		*62 - 130*		*10/20/11 20:43*	*20*
4-Bromofluorobenzene	*67*		*67 - 139*		*10/20/11 20:43*	*20*
1,2-Dichloroethane-d4 (Surr)	*79*		*50 - 134*		*10/20/11 20:43*	*20*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**7400**		200	16	ug/L			10/21/11 15:16	200

Client Sample ID: MW-66-24-1

Lab Sample ID: 600-44501-13

Date Collected: 10/11/11 16:40
Date Received: 10/12/11 10:58

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	1700		200	24	ug/L			10/21/11 15:16	200
1,1-Dichloroethane	3900		200	22	ug/L			10/21/11 15:16	200
trans-1,2-Dichloroethene	3500		200	18	ug/L			10/21/11 15:16	200
Ethylbenzene	4500		200	22	ug/L			10/21/11 15:16	200
Styrene	1200		200	14	ug/L			10/21/11 15:16	200
Toluene	2600		200	30	ug/L			10/21/11 15:16	200
Trichloroethene	1400		200	36	ug/L			10/21/11 15:16	200
cis-1,2-Dichloroethene	1500		200	12	ug/L			10/21/11 15:16	200
1,2-Dichloroethene, Total	5000		200	60	ug/L			10/21/11 15:16	200

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*111*		*70 - 130*		*10/21/11 15:16*	*200*
Dibromofluoromethane	*82*		*62 - 130*		*10/21/11 15:16*	*200*
4-Bromofluorobenzene	*76*		*67 - 139*		*10/21/11 15:16*	*200*
1,2-Dichloroethane-d4 (Surr)	*76*		*50 - 134*		*10/21/11 15:16*	*200*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	160000		10000	1400	ug/L			10/21/11 15:45	10000
1,1,2-Trichloroethane	97000		10000	2800	ug/L			10/21/11 15:45	10000
Vinyl chloride	98000		20000	1100	ug/L			10/21/11 15:45	10000

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*112*		*70 - 130*		*10/21/11 15:45*	*10000*
Dibromofluoromethane	*84*		*62 - 130*		*10/21/11 15:45*	*10000*
4-Bromofluorobenzene	*78*		*67 - 139*		*10/21/11 15:45*	*10000*
1,2-Dichloroethane-d4 (Surr)	*76*		*50 - 134*		*10/21/11 15:45*	*10000*

Client Sample ID: MW-4-24-1

Lab Sample ID: 600-44501-14

Date Collected: 10/11/11 16:50
Date Received: 10/12/11 10:58

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	210		100	20	ug/L			10/21/11 18:36	20
Chlorobromomethane	3.6	U	20	3.6	ug/L			10/21/11 18:36	20
Bromoform	3.8	U	20	3.8	ug/L			10/21/11 18:36	20
Bromomethane	5.0	U	40	5.0	ug/L			10/21/11 18:36	20
2-Butanone (MEK)	15	U	40	15	ug/L			10/21/11 18:36	20
Carbon disulfide	4.8	U	40	4.8	ug/L			10/21/11 18:36	20
Carbon tetrachloride	3.0	U	20	3.0	ug/L			10/21/11 18:36	20
Dibromochloromethane	3.0	U	20	3.0	ug/L			10/21/11 18:36	20
Chloroethane	1.6	U	40	1.6	ug/L			10/21/11 18:36	20
Chloroform	2.6	U	20	2.6	ug/L			10/21/11 18:36	20
Chloromethane	3.6	U	40	3.6	ug/L			10/21/11 18:36	20
1,2-Dichloropropane	3.2	U	20	3.2	ug/L			10/21/11 18:36	20
cis-1,3-Dichloropropene	3.6	U	20	3.6	ug/L			10/21/11 18:36	20
trans-1,3-Dichloropropene	4.2	U	20	4.2	ug/L			10/21/11 18:36	20
Ethylbenzene	800		20	2.2	ug/L			10/21/11 18:36	20
2-Hexanone	7.0	U	40	7.0	ug/L			10/21/11 18:36	20

Client Sample ID: MW-4-24-1

Date Collected: 10/11/11 16:50
Date Received: 10/12/11 10:58

Lab Sample ID: 600-44501-14

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	3.0	U	100	3.0	ug/L			10/21/11 18:36	20
4-Methyl-2-pentanone (MIBK)	9.0	U	40	9.0	ug/L			10/21/11 18:36	20
Styrene	**19**	**J**	20	1.4	ug/L			10/21/11 18:36	20
1,1,2,2-Tetrachloroethane	4.4	U	20	4.4	ug/L			10/21/11 18:36	20
Tetrachloroethene	**510**		20	2.6	ug/L			10/21/11 18:36	20
Toluene	**270**		20	3.0	ug/L			10/21/11 18:36	20
1,1,1-Trichloroethane	3.0	U	20	3.0	ug/L			10/21/11 18:36	20
1,1,2-Trichloroethane	5.6	U	20	5.6	ug/L			10/21/11 18:36	20
Vinyl acetate	4.2	U	40	4.2	ug/L			10/21/11 18:36	20
o-Xylene	**27**		20	2.4	ug/L			10/21/11 18:36	20
m-Xylene & p-Xylene	**52**		20	3.4	ug/L			10/21/11 18:36	20
Xylenes, Total	**79**		20	5.2	ug/L			10/21/11 18:36	20
Bromodichloromethane	3.2	U	20	3.2	ug/L			10/21/11 18:36	20

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*114*		*70 - 130*		*10/21/11 18:36*	*20*
Dibromofluoromethane	*84*		*62 - 130*		*10/21/11 18:36*	*20*
4-Bromofluorobenzene	*73*		*67 - 139*		*10/21/11 18:36*	*20*
1,2-Dichloroethane-d4 (Surr)	*89*		*50 - 134*		*10/21/11 18:36*	*20*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**5700**		400	32	ug/L			10/22/11 15:31	400
Chlorobenzene	**1200**		400	48	ug/L			10/22/11 15:31	400
1,1-Dichloroethane	**6100**		400	44	ug/L			10/22/11 15:31	400
1,1-Dichloroethene	**8600**		400	76	ug/L			10/22/11 15:31	400
trans-1,2-Dichloroethene	**11000**		400	36	ug/L			10/22/11 15:31	400
Trichloroethene	**1800**		400	72	ug/L			10/22/11 15:31	400
cis-1,2-Dichloroethene	**5500**		400	24	ug/L			10/22/11 15:31	400
1,2-Dichloroethene, Total	**17000**		400	120	ug/L			10/22/11 15:31	400

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*111*		*70 - 130*		*10/22/11 15:31*	*400*
Dibromofluoromethane	*88*		*62 - 130*		*10/22/11 15:31*	*400*
4-Bromofluorobenzene	*77*		*67 - 139*		*10/22/11 15:31*	*400*
1,2-Dichloroethane-d4 (Surr)	*79*		*50 - 134*		*10/22/11 15:31*	*400*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	**94000**		5000	700	ug/L			10/22/11 15:59	5000
Vinyl chloride	**220000**		10000	550	ug/L			10/22/11 15:59	5000

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*111*		*70 - 130*		*10/22/11 15:59*	*5000*
Dibromofluoromethane	*89*		*62 - 130*		*10/22/11 15:59*	*5000*
4-Bromofluorobenzene	*84*		*67 - 139*		*10/22/11 15:59*	*5000*
1,2-Dichloroethane-d4 (Surr)	*81*		*50 - 134*		*10/22/11 15:59*	*5000*

Client Sample Results

Client: Groundwater Services, Inc.
Project/Site: N-80- G-3880

TestAmerica Job ID: 600-44501-1

Client Sample ID: MW-65-pre24-1

Date Collected: 10/11/11 17:00
Date Received: 10/12/11 10:58

Lab Sample ID: 600-44501-15

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	20	U	100	20	ug/L			10/21/11 19:04	20
Chlorobromomethane	3.6	U	20	3.6	ug/L			10/21/11 19:04	20
Bromoform	3.8	U	20	3.8	ug/L			10/21/11 19:04	20
Bromomethane	5.0	U	40	5.0	ug/L			10/21/11 19:04	20
2-Butanone (MEK)	15	U	40	15	ug/L			10/21/11 19:04	20
Carbon disulfide	**12**	**J**	40	4.8	ug/L			10/21/11 19:04	20
Carbon tetrachloride	3.0	U	20	3.0	ug/L			10/21/11 19:04	20
Dibromochloromethane	3.0	U	20	3.0	ug/L			10/21/11 19:04	20
Chloroethane	1.6	U	40	1.6	ug/L			10/21/11 19:04	20
Chloroform	2.6	U	20	2.6	ug/L			10/21/11 19:04	20
Chloromethane	3.6	U	40	3.6	ug/L			10/21/11 19:04	20
1,2-Dichloroethane	**920**		20	2.8	ug/L			10/21/11 19:04	20
1,2-Dichloropropane	3.2	U	20	3.2	ug/L			10/21/11 19:04	20
cis-1,3-Dichloropropene	3.6	U	20	3.6	ug/L			10/21/11 19:04	20
trans-1,3-Dichloropropene	4.2	U	20	4.2	ug/L			10/21/11 19:04	20
2-Hexanone	7.0	U	40	7.0	ug/L			10/21/11 19:04	20
Methylene Chloride	3.0	U	100	3.0	ug/L			10/21/11 19:04	20
4-Methyl-2-pentanone (MIBK)	9.0	U	40	9.0	ug/L			10/21/11 19:04	20
Styrene	**58**		20	1.4	ug/L			10/21/11 19:04	20
1,1,2,2-Tetrachloroethane	4.4	U	20	4.4	ug/L			10/21/11 19:04	20
Tetrachloroethene	**430**		20	2.6	ug/L			10/21/11 19:04	20
Toluene	**320**		20	3.0	ug/L			10/21/11 19:04	20
1,1,1-Trichloroethane	3.0	U	20	3.0	ug/L			10/21/11 19:04	20
1,1,2-Trichloroethane	5.6	U	20	5.6	ug/L			10/21/11 19:04	20
Vinyl acetate	4.2	U	40	4.2	ug/L			10/21/11 19:04	20
o-Xylene	**51**		20	2.4	ug/L			10/21/11 19:04	20
m-Xylene & p-Xylene	**71**		20	3.4	ug/L			10/21/11 19:04	20
Xylenes, Total	**120**		20	5.2	ug/L			10/21/11 19:04	20
Bromodichloromethane	3.2	U	20	3.2	ug/L			10/21/11 19:04	20

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*124*		*70 - 130*		*10/21/11 19:04*	*20*
Dibromofluoromethane	*86*		*62 - 130*		*10/21/11 19:04*	*20*
4-Bromofluorobenzene	*75*		*67 - 139*		*10/21/11 19:04*	*20*
1,2-Dichloroethane-d4 (Surr)	*96*		*50 - 134*		*10/21/11 19:04*	*20*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**4700**		200	16	ug/L			10/22/11 14:35	200
Chlorobenzene	**1700**		200	24	ug/L			10/22/11 14:35	200
1,1-Dichloroethane	**3800**		200	22	ug/L			10/22/11 14:35	200
1,1-Dichloroethene	**2900**		200	38	ug/L			10/22/11 14:35	200
trans-1,2-Dichloroethene	**7300**		200	18	ug/L			10/22/11 14:35	200
Ethylbenzene	**1600**		200	22	ug/L			10/22/11 14:35	200
Trichloroethene	**1100**		200	36	ug/L			10/22/11 14:35	200
cis-1,2-Dichloroethene	**1900**		200	12	ug/L			10/22/11 14:35	200
1,2-Dichloroethene, Total	**9200**		200	60	ug/L			10/22/11 14:35	200

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*112*		*70 - 130*		*10/22/11 14:35*	*200*
Dibromofluoromethane	*88*		*62 - 130*		*10/22/11 14:35*	*200*

Client Sample ID: MW-65-pre24-1

Lab Sample ID: 600-44501-15

Date Collected: 10/11/11 17:00
Date Received: 10/12/11 10:58

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*84*		*67 - 139*		*10/22/11 14:35*	*200*
1,2-Dichloroethane-d4 (Surr)	*79*		*50 - 134*		*10/22/11 14:35*	*200*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*106*		*70 - 130*		*10/22/11 14:07*	*2000*
Dibromofluoromethane	*86*		*62 - 130*		*10/22/11 14:07*	*2000*
4-Bromofluorobenzene	*83*		*67 - 139*		*10/22/11 14:07*	*2000*
1,2-Dichloroethane-d4 (Surr)	*79*		*50 - 134*		*10/22/11 14:07*	*2000*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**220000**		20000	1100	ug/L			10/22/11 15:03	10000

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*130*		*70 - 130*		*10/22/11 15:03*	*10000*
Dibromofluoromethane	*87*		*62 - 130*		*10/22/11 15:03*	*10000*
4-Bromofluorobenzene	*74*		*67 - 139*		*10/22/11 15:03*	*10000*
1,2-Dichloroethane-d4 (Surr)	*82*		*50 - 134*		*10/22/11 15:03*	*10000*

Client Sample ID: MW-65-24-1

Lab Sample ID: 600-44501-16

Date Collected: 10/11/11 18:05
Date Received: 10/12/11 10:58

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	20	U	100	20	ug/L			10/21/11 19:32	20
Chlorobromomethane	3.6	U	20	3.6	ug/L			10/21/11 19:32	20
Bromoform	3.8	U	20	3.8	ug/L			10/21/11 19:32	20
Bromomethane	5.0	U	40	5.0	ug/L			10/21/11 19:32	20
2-Butanone (MEK)	15	U	40	15	ug/L			10/21/11 19:32	20
Carbon disulfide	4.8	U	40	4.8	ug/L			10/21/11 19:32	20
Carbon tetrachloride	3.0	U	20	3.0	ug/L			10/21/11 19:32	20
Dibromochloromethane	3.0	U	20	3.0	ug/L			10/21/11 19:32	20
Chloroethane	1.6	U	40	1.6	ug/L			10/21/11 19:32	20
Chloroform	2.6	U	20	2.6	ug/L			10/21/11 19:32	20
Chloromethane	**530**		40	3.6	ug/L			10/21/11 19:32	20
1,2-Dichloropropane	3.2	U	20	3.2	ug/L			10/21/11 19:32	20
cis-1,3-Dichloropropene	3.6	U	20	3.6	ug/L			10/21/11 19:32	20
trans-1,3-Dichloropropene	4.2	U	20	4.2	ug/L			10/21/11 19:32	20
2-Hexanone	7.0	U	40	7.0	ug/L			10/21/11 19:32	20
Methylene Chloride	**5.9**	**J**	100	3.0	ug/L			10/21/11 19:32	20
4-Methyl-2-pentanone (MIBK)	9.0	U	40	9.0	ug/L			10/21/11 19:32	20
Styrene	**84**		20	1.4	ug/L			10/21/11 19:32	20
1,1,2,2-Tetrachloroethane	4.4	U	20	4.4	ug/L			10/21/11 19:32	20
Tetrachloroethene	**430**		20	2.6	ug/L			10/21/11 19:32	20
Toluene	**390**		20	3.0	ug/L			10/21/11 19:32	20
1,1,1-Trichloroethane	3.0	U	20	3.0	ug/L			10/21/11 19:32	20
1,1,2-Trichloroethane	**13**	**J**	20	5.6	ug/L			10/21/11 19:32	20

Client Sample ID: MW-65-24-1

Lab Sample ID: 600-44501-16

Date Collected: 10/11/11 18:05
Date Received: 10/12/11 10:58

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	4.2	U	40	4.2	ug/L			10/21/11 19:32	20
o-Xylene	**65**		20	2.4	ug/L			10/21/11 19:32	20
m-Xylene & p-Xylene	**84**		20	3.4	ug/L			10/21/11 19:32	20
Xylenes, Total	**150**		20	5.2	ug/L			10/21/11 19:32	20
Bromodichloromethane	3.2	U	20	3.2	ug/L			10/21/11 19:32	20

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*120*		*70 - 130*		*10/21/11 19:32*	*20*
Dibromofluoromethane	*85*		*62 - 130*		*10/21/11 19:32*	*20*
4-Bromofluorobenzene	*70*		*67 - 139*		*10/21/11 19:32*	*20*
1,2-Dichloroethane-d4 (Surr)	*94*		*50 - 134*		*10/21/11 19:32*	*20*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**5500**		200	16	ug/L			10/22/11 16:28	200
Chlorobenzene	**2100**		200	24	ug/L			10/22/11 16:28	200
1,1-Dichloroethane	**4200**		200	22	ug/L			10/22/11 16:28	200
1,2-Dichloroethane	**1700**		200	28	ug/L			10/22/11 16:28	200
1,1-Dichloroethene	**3100**		200	38	ug/L			10/22/11 16:28	200
trans-1,2-Dichloroethene	**8700**		200	18	ug/L			10/22/11 16:28	200
Ethylbenzene	**2000**		200	22	ug/L			10/22/11 16:28	200
Trichloroethene	**1200**		200	36	ug/L			10/22/11 16:28	200
cis-1,2-Dichloroethene	**1800**		200	12	ug/L			10/22/11 16:28	200
1,2-Dichloroethene, Total	**11000**		200	60	ug/L			10/22/11 16:28	200

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*126*		*70 - 130*		*10/22/11 16:28*	*200*
Dibromofluoromethane	*89*		*62 - 130*		*10/22/11 16:28*	*200*
4-Bromofluorobenzene	*82*		*67 - 139*		*10/22/11 16:28*	*200*
1,2-Dichloroethane-d4 (Surr)	*80*		*50 - 134*		*10/22/11 16:28*	*200*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**270000**		20000	1100	ug/L			10/22/11 16:56	10000

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*116*		*70 - 130*		*10/22/11 16:56*	*10000*
Dibromofluoromethane	*84*		*62 - 130*		*10/22/11 16:56*	*10000*
4-Bromofluorobenzene	*84*		*67 - 139*		*10/22/11 16:56*	*10000*
1,2-Dichloroethane-d4 (Surr)	*80*		*50 - 134*		*10/22/11 16:56*	*10000*

Client Sample ID: DUP-24-1

Lab Sample ID: 600-44501-17

Date Collected: 10/11/11 00:00
Date Received: 10/12/11 10:58

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	50	9.9	ug/L			10/23/11 14:56	10
Benzene	**110**		10	0.80	ug/L			10/23/11 14:56	10
Chlorobromomethane	1.8	U	10	1.8	ug/L			10/23/11 14:56	10
Bromoform	1.9	U	10	1.9	ug/L			10/23/11 14:56	10

Client Sample ID: DUP-24-1

Date Collected: 10/11/11 00:00
Date Received: 10/12/11 10:58

Lab Sample ID: 600-44501-17

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	2.5	U	20	2.5	ug/L			10/23/11 14:56	10
2-Butanone (MEK)	7.6	U	20	7.6	ug/L			10/23/11 14:56	10
Carbon disulfide	**2.4**	**J**	20	2.4	ug/L			10/23/11 14:56	10
Carbon tetrachloride	1.5	U	10	1.5	ug/L			10/23/11 14:56	10
Dibromochloromethane	1.5	U	10	1.5	ug/L			10/23/11 14:56	10
Chlorobenzene	**60**		10	1.2	ug/L			10/23/11 14:56	10
Chloroethane	0.80	U	20	0.80	ug/L			10/23/11 14:56	10
Chloroform	1.3	U	10	1.3	ug/L			10/23/11 14:56	10
Chloromethane	1.8	U	20	1.8	ug/L			10/23/11 14:56	10
1,1-Dichloroethane	**180**		10	1.1	ug/L			10/23/11 14:56	10
1,2-Dichloroethane	1.4	U	10	1.4	ug/L			10/23/11 14:56	10
1,1-Dichloroethene	**25**		10	1.9	ug/L			10/23/11 14:56	10
trans-1,2-Dichloroethene	**300**		10	0.90	ug/L			10/23/11 14:56	10
1,2-Dichloropropane	1.6	U	10	1.6	ug/L			10/23/11 14:56	10
cis-1,3-Dichloropropene	1.8	U	10	1.8	ug/L			10/23/11 14:56	10
trans-1,3-Dichloropropene	2.1	U	10	2.1	ug/L			10/23/11 14:56	10
Ethylbenzene	**300**		10	1.1	ug/L			10/23/11 14:56	10
2-Hexanone	3.5	U	20	3.5	ug/L			10/23/11 14:56	10
Methylene Chloride	1.5	U	50	1.5	ug/L			10/23/11 14:56	10
4-Methyl-2-pentanone (MIBK)	4.5	U	20	4.5	ug/L			10/23/11 14:56	10
Styrene	0.70	U	10	0.70	ug/L			10/23/11 14:56	10
1,1,2,2-Tetrachloroethane	2.2	U	10	2.2	ug/L			10/23/11 14:56	10
Tetrachloroethene	1.3	U	10	1.3	ug/L			10/23/11 14:56	10
Toluene	**46**		10	1.5	ug/L			10/23/11 14:56	10
1,1,1-Trichloroethane	1.5	U	10	1.5	ug/L			10/23/11 14:56	10
1,1,2-Trichloroethane	2.8	U	10	2.8	ug/L			10/23/11 14:56	10
Trichloroethene	1.8	U	10	1.8	ug/L			10/23/11 14:56	10
Vinyl acetate	2.1	U	20	2.1	ug/L			10/23/11 14:56	10
o-Xylene	**1.5**	**J**	10	1.2	ug/L			10/23/11 14:56	10
m-Xylene & p-Xylene	**2.6**	**J**	10	1.7	ug/L			10/23/11 14:56	10
Xylenes, Total	**4.1**	**J**	10	2.6	ug/L			10/23/11 14:56	10
cis-1,2-Dichloroethene	**16**		10	0.60	ug/L			10/23/11 14:56	10
Bromodichloromethane	1.6	U	10	1.6	ug/L			10/23/11 14:56	10
1,2-Dichloroethene, Total	**320**		10	3.0	ug/L			10/23/11 14:56	10

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*113*		*70 - 130*		*10/23/11 14:56*	*10*
Dibromofluoromethane	*80*		*62 - 130*		*10/23/11 14:56*	*10*
4-Bromofluorobenzene	*82*		*67 - 139*		*10/23/11 14:56*	*10*
1,2-Dichloroethane-d4 (Surr)	*74*		*50 - 134*		*10/23/11 14:56*	*10*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**4200**		400	22	ug/L			10/23/11 15:25	200

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*114*		*70 - 130*		*10/23/11 15:25*	*200*
Dibromofluoromethane	*80*		*62 - 130*		*10/23/11 15:25*	*200*
4-Bromofluorobenzene	*84*		*67 - 139*		*10/23/11 15:25*	*200*
1,2-Dichloroethane-d4 (Surr)	*76*		*50 - 134*		*10/23/11 15:25*	*200*

Client Sample Results

Client: Groundwater Services, Inc.
Project/Site: N-80- G-3880

TestAmerica Job ID: 600-44501-1

Client Sample ID: Trip Blank

Date Collected: 10/11/11 00:00
Date Received: 10/12/11 10:58

Lab Sample ID: 600-44501-18

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			10/23/11 18:43	1
Benzene	0.080	U	1.0	0.080	ug/L			10/23/11 18:43	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			10/23/11 18:43	1
Bromoform	0.19	U	1.0	0.19	ug/L			10/23/11 18:43	1
Bromomethane	0.25	U	2.0	0.25	ug/L			10/23/11 18:43	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			10/23/11 18:43	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			10/23/11 18:43	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			10/23/11 18:43	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			10/23/11 18:43	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			10/23/11 18:43	1
Chloroethane	0.080	U	2.0	0.080	ug/L			10/23/11 18:43	1
Chloroform	0.13	U	1.0	0.13	ug/L			10/23/11 18:43	1
Chloromethane	0.18	U	2.0	0.18	ug/L			10/23/11 18:43	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			10/23/11 18:43	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			10/23/11 18:43	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			10/23/11 18:43	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			10/23/11 18:43	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			10/23/11 18:43	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			10/23/11 18:43	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			10/23/11 18:43	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			10/23/11 18:43	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			10/23/11 18:43	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			10/23/11 18:43	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			10/23/11 18:43	1
Styrene	0.070	U	1.0	0.070	ug/L			10/23/11 18:43	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			10/23/11 18:43	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			10/23/11 18:43	1
Toluene	0.15	U	1.0	0.15	ug/L			10/23/11 18:43	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			10/23/11 18:43	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			10/23/11 18:43	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			10/23/11 18:43	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			10/23/11 18:43	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			10/23/11 18:43	1
o-Xylene	0.12	U	1.0	0.12	ug/L			10/23/11 18:43	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			10/23/11 18:43	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			10/23/11 18:43	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			10/23/11 18:43	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			10/23/11 18:43	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			10/23/11 18:43	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*115*		*70 - 130*		*10/23/11 18:43*	*1*
Dibromofluoromethane	*80*		*62 - 130*		*10/23/11 18:43*	*1*
4-Bromofluorobenzene	*81*		*67 - 139*		*10/23/11 18:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*78*		*50 - 134*		*10/23/11 18:43*	*1*

Surrogate Summary

Client: Groundwater Services, Inc.
Project/Site: N-80- G-3880

TestAmerica Job ID: 600-44501-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DBFM	BFB	12DCE
Lab Sample ID	Client Sample ID	(70-130)	(62-130)	(67-139)	(50-134)
600-44501-1	MW-71-pre24-1	104	80	77	79
600-44501-1 - DL	MW-71-pre24-1	108	86	81	83
600-44501-2	MW-71-24-1	95	75	72	71
600-44501-2 - DL	MW-71-24-1	110	84	78	79
600-44501-3	MW-8-pre24-1	104	81	79	79
600-44501-3 - DL	MW-8-pre24-1	103	82	78	77
600-44501-4	MW-11-pre24-1	102	82	76	83
600-44501-4 - DL	MW-11-pre24-1	105	79	78	74
600-44501-5	MW-8-24-1	104	82	77	79
600-44501-5 - DL	MW-8-24-1	104	81	78	76
600-44501-6	MW-11-24-1	101	84	75	84
600-44501-6 - DL	MW-11-24-1	91	70	68	67
600-44501-7	MW-40-pre24-1	105	79	75	78
600-44501-8	MW-68-pre24-1	104	81	77	81
600-44501-8 - DL	MW-68-pre24-1	105	83	77	79
600-44501-9	MW-40-24-1	104	82	76	82
600-44501-10	MW-68-24-1	104	80	79	79
600-44501-10 - DL	MW-68-24-1	102	80	76	76
600-44501-10 MS - DL	MW-68-24-1	90	82	79	76
600-44501-10 MSD - DL	MW-68-24-1	96	85	83	79
600-44501-11	MW-66-pre24-1	105	81	76	77
600-44501-11 - DL	MW-66-pre24-1	105	78	76	76
600-44501-12	MW-4-pre24-1	110	88	71	98
600-44501-12 - DL	MW-4-pre24-1	105	80	76	71
600-44501-12 - DL2	MW-4-pre24-1	104	75	75	70
600-44501-13	MW-66-24-1	126	80	67	79
600-44501-13 - DL	MW-66-24-1	111	82	76	76
600-44501-13 - DL2	MW-66-24-1	112	84	78	76
600-44501-14	MW-4-24-1	114	84	73	89
600-44501-14 - DL	MW-4-24-1	111	88	77	79
600-44501-14 - DL2	MW-4-24-1	111	89	84	81
600-44501-15	MW-65-pre24-1	124	86	75	96
600-44501-15 - DL2	MW-65-pre24-1	106	86	83	79
600-44501-15 - DL	MW-65-pre24-1	112	88	84	79
600-44501-15 - DL3	MW-65-pre24-1	130	87	74	82
600-44501-15 MS - DL2	MW-65-pre24-1	104	94	92	81
600-44501-15 MSD - DL2	MW-65-pre24-1	96	94	100	82
600-44501-16	MW-65-24-1	120	85	70	94
600-44501-16 - DL	MW-65-24-1	126	89	82	80
600-44501-16 - DL2	MW-65-24-1	116	84	84	80
600-44501-17	DUP-24-1	113	80	82	74
600-44501-17 - DL	DUP-24-1	114	80	84	76
600-44501-18	Trip Blank	115	80	81	78
LCS 600-64681/3	Lab Control Sample	99	91	85	83
LCS 600-64696/3	Lab Control Sample	107	93	88	88
LCS 600-64800/3	Lab Control Sample	99	87	84	82
LCS 600-64851/3	Lab Control Sample	103	89	98	81
LCS 600-64905/3	Lab Control Sample	112	90	95	81
MB 600-64681/4	Method Blank	103	79	77	80
MB 600-64696/4	Method Blank	106	83	80	78

Surrogate Summary

Client: Groundwater Services, Inc.
Project/Site: N-80- G-3880

TestAmerica Job ID: 600-44501-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DBFM	BFB	12DCE
Lab Sample ID	Client Sample ID	(70-130)	(62-130)	(67-139)	(50-134)
MB 600-64800/4	Method Blank	101	76	73	73
MB 600-64851/4	Method Blank	112	82	80	72
MB 600-64905/4	Method Blank	119	82	84	79

Surrogate Legend

TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane
BFB = 4-Bromofluorobenzene
12DCE = 1,2-Dichloroethane-d4 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 600-64681/4
Matrix: Water
Analysis Batch: 64681

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			10/19/11 10:26	1
Benzene	0.080	U	1.0	0.080	ug/L			10/19/11 10:26	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			10/19/11 10:26	1
Bromoform	0.19	U	1.0	0.19	ug/L			10/19/11 10:26	1
Bromomethane	0.25	U	2.0	0.25	ug/L			10/19/11 10:26	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			10/19/11 10:26	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			10/19/11 10:26	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			10/19/11 10:26	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			10/19/11 10:26	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			10/19/11 10:26	1
Chloroethane	0.080	U	2.0	0.080	ug/L			10/19/11 10:26	1
Chloroform	0.13	U	1.0	0.13	ug/L			10/19/11 10:26	1
Chloromethane	0.18	U	2.0	0.18	ug/L			10/19/11 10:26	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			10/19/11 10:26	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			10/19/11 10:26	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			10/19/11 10:26	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			10/19/11 10:26	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			10/19/11 10:26	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			10/19/11 10:26	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			10/19/11 10:26	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			10/19/11 10:26	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			10/19/11 10:26	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			10/19/11 10:26	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			10/19/11 10:26	1
Styrene	0.070	U	1.0	0.070	ug/L			10/19/11 10:26	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			10/19/11 10:26	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			10/19/11 10:26	1
Toluene	0.15	U	1.0	0.15	ug/L			10/19/11 10:26	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			10/19/11 10:26	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			10/19/11 10:26	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			10/19/11 10:26	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			10/19/11 10:26	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			10/19/11 10:26	1
o-Xylene	0.12	U	1.0	0.12	ug/L			10/19/11 10:26	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			10/19/11 10:26	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			10/19/11 10:26	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			10/19/11 10:26	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			10/19/11 10:26	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			10/19/11 10:26	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*70 - 130*		*10/19/11 10:26*	*1*
Dibromofluoromethane	*79*		*62 - 130*		*10/19/11 10:26*	*1*
4-Bromofluorobenzene	*77*		*67 - 139*		*10/19/11 10:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*80*		*50 - 134*		*10/19/11 10:26*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-64681/3
Matrix: Water
Analysis Batch: 64681

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	20.0	15.6		ug/L		78	28 - 152
Benzene	10.0	10.6		ug/L		106	69 - 131
Chlorobromomethane	10.0	9.43		ug/L		94	60 - 141
Bromoform	10.0	9.63		ug/L		96	39 - 149
Bromomethane	10.0	8.66		ug/L		87	52 - 146
2-Butanone (MEK)	20.0	15.1		ug/L		76	59 - 133
Carbon disulfide	10.0	10.6		ug/L		106	32 - 177
Carbon tetrachloride	10.0	14.7		ug/L		147	59 - 147
Dibromochloromethane	10.0	9.57		ug/L		96	58 - 132
Chlorobenzene	10.0	9.71		ug/L		97	60 - 136
Chloroethane	10.0	7.85		ug/L		79	56 - 144
Chloroform	10.0	9.81		ug/L		98	69 - 128
Chloromethane	10.0	7.17		ug/L		72	32 - 151
1,1-Dichloroethane	10.0	10.4		ug/L		104	66 - 126
1,2-Dichloroethane	10.0	11.1		ug/L		111	66 - 140
1,1-Dichloroethene	10.0	9.20		ug/L		92	59 - 145
trans-1,2-Dichloroethene	10.0	9.24		ug/L		92	70 - 132
1,2-Dichloropropane	10.0	9.53		ug/L		95	72 - 125
cis-1,3-Dichloropropene	10.0	9.29		ug/L		93	60 - 135
trans-1,3-Dichloropropene	10.0	10.2		ug/L		102	63 - 133
Ethylbenzene	10.0	11.1		ug/L		111	68 - 128
2-Hexanone	20.0	17.0		ug/L		85	51 - 130
Methylene Chloride	10.0	7.18		ug/L		72	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	16.5		ug/L		83	56 - 142
Styrene	10.0	10.3		ug/L		103	68 - 133
1,1,2,2-Tetrachloroethane	10.0	7.93		ug/L		79	68 - 134
Tetrachloroethene	10.0	12.1		ug/L		121	61 - 142
Toluene	10.0	10.1		ug/L		101	67 - 130
1,1,1-Trichloroethane	10.0	13.5		ug/L		135	65 - 142
1,1,2-Trichloroethane	10.0	9.04		ug/L		90	68 - 130
Trichloroethene	10.0	12.1		ug/L		121	68 - 130
Vinyl acetate	10.0	10.1		ug/L		101	58 - 175
Vinyl chloride	10.0	7.95		ug/L		80	47 - 146
o-Xylene	10.0	10.2		ug/L		102	68 - 134
m-Xylene & p-Xylene	20.0	21.8		ug/L		109	67 - 132
Xylenes, Total	30.0	32.0		ug/L		107	68 - 132
cis-1,2-Dichloroethene	10.0	8.96		ug/L		90	69 - 129
Bromodichloromethane	10.0	9.65		ug/L		97	73 - 130
1,2-Dichloroethene, Total	20.0	18.2		ug/L		91	65 - 127

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*70 - 130*
Dibromofluoromethane	*91*		*62 - 130*
4-Bromofluorobenzene	*85*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*83*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 600-64696/4
Matrix: Water
Analysis Batch: 64696

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			10/20/11 10:51	1
Benzene	0.080	U	1.0	0.080	ug/L			10/20/11 10:51	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			10/20/11 10:51	1
Bromoform	0.19	U	1.0	0.19	ug/L			10/20/11 10:51	1
Bromomethane	0.25	U	2.0	0.25	ug/L			10/20/11 10:51	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			10/20/11 10:51	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			10/20/11 10:51	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			10/20/11 10:51	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			10/20/11 10:51	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			10/20/11 10:51	1
Chloroethane	0.080	U	2.0	0.080	ug/L			10/20/11 10:51	1
Chloroform	0.13	U	1.0	0.13	ug/L			10/20/11 10:51	1
Chloromethane	0.18	U	2.0	0.18	ug/L			10/20/11 10:51	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			10/20/11 10:51	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			10/20/11 10:51	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			10/20/11 10:51	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			10/20/11 10:51	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			10/20/11 10:51	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			10/20/11 10:51	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			10/20/11 10:51	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			10/20/11 10:51	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			10/20/11 10:51	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			10/20/11 10:51	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			10/20/11 10:51	1
Styrene	0.070	U	1.0	0.070	ug/L			10/20/11 10:51	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			10/20/11 10:51	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			10/20/11 10:51	1
Toluene	0.15	U	1.0	0.15	ug/L			10/20/11 10:51	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			10/20/11 10:51	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			10/20/11 10:51	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			10/20/11 10:51	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			10/20/11 10:51	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			10/20/11 10:51	1
o-Xylene	0.12	U	1.0	0.12	ug/L			10/20/11 10:51	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			10/20/11 10:51	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			10/20/11 10:51	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			10/20/11 10:51	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			10/20/11 10:51	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			10/20/11 10:51	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*106*		*70 - 130*		*10/20/11 10:51*	*1*
Dibromofluoromethane	*83*		*62 - 130*		*10/20/11 10:51*	*1*
4-Bromofluorobenzene	*80*		*67 - 139*		*10/20/11 10:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*78*		*50 - 134*		*10/20/11 10:51*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-64696/3
Matrix: Water
Analysis Batch: 64696

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	20.0	15.7		ug/L		78	28 - 152
Benzene	10.0	10.2		ug/L		102	69 - 131
Chlorobromomethane	10.0	9.09		ug/L		91	60 - 141
Bromoform	10.0	9.78		ug/L		98	39 - 149
Bromomethane	10.0	8.79		ug/L		88	52 - 146
2-Butanone (MEK)	20.0	14.8		ug/L		74	59 - 133
Carbon disulfide	10.0	10.6		ug/L		106	32 - 177
Carbon tetrachloride	10.0	13.2		ug/L		132	59 - 147
Dibromochloromethane	10.0	9.81		ug/L		98	58 - 132
Chlorobenzene	10.0	10.0		ug/L		100	60 - 136
Chloroethane	10.0	7.88		ug/L		79	56 - 144
Chloroform	10.0	9.92		ug/L		99	69 - 128
Chloromethane	10.0	6.82		ug/L		68	32 - 151
1,1-Dichloroethane	10.0	10.1		ug/L		101	66 - 126
1,2-Dichloroethane	10.0	10.3		ug/L		103	66 - 140
1,1-Dichloroethene	10.0	8.81		ug/L		88	59 - 145
trans-1,2-Dichloroethene	10.0	9.39		ug/L		94	70 - 132
1,2-Dichloropropane	10.0	9.37		ug/L		94	72 - 125
cis-1,3-Dichloropropene	10.0	9.53		ug/L		95	60 - 135
trans-1,3-Dichloropropene	10.0	10.6		ug/L		106	63 - 133
Ethylbenzene	10.0	11.4		ug/L		114	68 - 128
2-Hexanone	20.0	18.6		ug/L		93	51 - 130
Methylene Chloride	10.0	7.39		ug/L		74	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	16.9		ug/L		84	56 - 142
Styrene	10.0	10.8		ug/L		108	68 - 133
1,1,2,2-Tetrachloroethane	10.0	7.70		ug/L		77	68 - 134
Tetrachloroethene	10.0	12.9		ug/L		129	61 - 142
Toluene	10.0	10.3		ug/L		103	67 - 130
1,1,1-Trichloroethane	10.0	12.6		ug/L		126	65 - 142
1,1,2-Trichloroethane	10.0	9.24		ug/L		92	68 - 130
Trichloroethene	10.0	11.7		ug/L		117	68 - 130
Vinyl acetate	10.0	10.4		ug/L		104	58 - 175
Vinyl chloride	10.0	7.68		ug/L		77	47 - 146
o-Xylene	10.0	10.7		ug/L		107	68 - 134
m-Xylene & p-Xylene	20.0	22.6		ug/L		113	67 - 132
Xylenes, Total	30.0	33.3		ug/L		111	68 - 132
cis-1,2-Dichloroethene	10.0	8.83		ug/L		88	69 - 129
Bromodichloromethane	10.0	9.94		ug/L		99	73 - 130
1,2-Dichloroethene, Total	20.0	18.2		ug/L		91	65 - 127

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*107*		*70 - 130*
Dibromofluoromethane	*93*		*62 - 130*
4-Bromofluorobenzene	*88*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*88*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 600-64800/4
Matrix: Water
Analysis Batch: 64800

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			10/21/11 10:59	1
Benzene	0.080	U	1.0	0.080	ug/L			10/21/11 10:59	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			10/21/11 10:59	1
Bromoform	0.19	U	1.0	0.19	ug/L			10/21/11 10:59	1
Bromomethane	0.25	U	2.0	0.25	ug/L			10/21/11 10:59	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			10/21/11 10:59	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			10/21/11 10:59	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			10/21/11 10:59	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			10/21/11 10:59	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			10/21/11 10:59	1
Chloroethane	0.080	U	2.0	0.080	ug/L			10/21/11 10:59	1
Chloroform	0.13	U	1.0	0.13	ug/L			10/21/11 10:59	1
Chloromethane	0.18	U	2.0	0.18	ug/L			10/21/11 10:59	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			10/21/11 10:59	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			10/21/11 10:59	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			10/21/11 10:59	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			10/21/11 10:59	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			10/21/11 10:59	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			10/21/11 10:59	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			10/21/11 10:59	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			10/21/11 10:59	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			10/21/11 10:59	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			10/21/11 10:59	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			10/21/11 10:59	1
Styrene	0.070	U	1.0	0.070	ug/L			10/21/11 10:59	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			10/21/11 10:59	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			10/21/11 10:59	1
Toluene	0.15	U	1.0	0.15	ug/L			10/21/11 10:59	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			10/21/11 10:59	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			10/21/11 10:59	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			10/21/11 10:59	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			10/21/11 10:59	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			10/21/11 10:59	1
o-Xylene	0.12	U	1.0	0.12	ug/L			10/21/11 10:59	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			10/21/11 10:59	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			10/21/11 10:59	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			10/21/11 10:59	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			10/21/11 10:59	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			10/21/11 10:59	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*70 - 130*		*10/21/11 10:59*	*1*
Dibromofluoromethane	*76*		*62 - 130*		*10/21/11 10:59*	*1*
4-Bromofluorobenzene	*73*		*67 - 139*		*10/21/11 10:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*73*		*50 - 134*		*10/21/11 10:59*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-64800/3
Matrix: Water
Analysis Batch: 64800

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	20.0	14.5		ug/L		73	28 - 152
Benzene	10.0	10.5		ug/L		105	69 - 131
Chlorobromomethane	10.0	9.35		ug/L		94	60 - 141
Bromoform	10.0	9.36		ug/L		94	39 - 149
Bromomethane	10.0	8.70		ug/L		87	52 - 146
2-Butanone (MEK)	20.0	14.8		ug/L		74	59 - 133
Carbon disulfide	10.0	10.6		ug/L		106	32 - 177
Carbon tetrachloride	10.0	13.1		ug/L		131	59 - 147
Dibromochloromethane	10.0	9.61		ug/L		96	58 - 132
Chlorobenzene	10.0	9.98		ug/L		100	60 - 136
Chloroethane	10.0	7.72		ug/L		77	56 - 144
Chloroform	10.0	9.83		ug/L		98	69 - 128
Chloromethane	10.0	6.76		ug/L		68	32 - 151
1,1-Dichloroethane	10.0	10.3		ug/L		103	66 - 126
1,2-Dichloroethane	10.0	10.8		ug/L		108	66 - 140
1,1-Dichloroethene	10.0	8.99		ug/L		90	59 - 145
trans-1,2-Dichloroethene	10.0	9.30		ug/L		93	70 - 132
1,2-Dichloropropane	10.0	9.57		ug/L		96	72 - 125
cis-1,3-Dichloropropene	10.0	9.17		ug/L		92	60 - 135
trans-1,3-Dichloropropene	10.0	10.3		ug/L		103	63 - 133
Ethylbenzene	10.0	11.3		ug/L		113	68 - 128
2-Hexanone	20.0	17.4		ug/L		87	51 - 130
Methylene Chloride	10.0	8.58		ug/L		86	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	17.0		ug/L		85	56 - 142
Styrene	10.0	10.6		ug/L		106	68 - 133
1,1,2,2-Tetrachloroethane	10.0	7.53		ug/L		75	68 - 134
Tetrachloroethene	10.0	13.0		ug/L		130	61 - 142
Toluene	10.0	10.3		ug/L		103	67 - 130
1,1,1-Trichloroethane	10.0	12.4		ug/L		124	65 - 142
1,1,2-Trichloroethane	10.0	9.78		ug/L		98	68 - 130
Trichloroethene	10.0	12.1		ug/L		121	68 - 130
Vinyl acetate	10.0	10.5		ug/L		105	58 - 175
Vinyl chloride	10.0	7.79		ug/L		78	47 - 146
o-Xylene	10.0	10.5		ug/L		105	68 - 134
m-Xylene & p-Xylene	20.0	22.2		ug/L		111	67 - 132
Xylenes, Total	30.0	32.7		ug/L		109	68 - 132
cis-1,2-Dichloroethene	10.0	8.98		ug/L		90	69 - 129
Bromodichloromethane	10.0	9.69		ug/L		97	73 - 130
1,2-Dichloroethene, Total	20.0	18.3		ug/L		91	65 - 127

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*70 - 130*
Dibromofluoromethane	*87*		*62 - 130*
4-Bromofluorobenzene	*84*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*82*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 600-64851/4
Matrix: Water
Analysis Batch: 64851

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			10/22/11 12:31	1
Benzene	0.080	U	1.0	0.080	ug/L			10/22/11 12:31	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			10/22/11 12:31	1
Bromoform	0.19	U	1.0	0.19	ug/L			10/22/11 12:31	1
Bromomethane	0.25	U	2.0	0.25	ug/L			10/22/11 12:31	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			10/22/11 12:31	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			10/22/11 12:31	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			10/22/11 12:31	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			10/22/11 12:31	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			10/22/11 12:31	1
Chloroethane	0.080	U	2.0	0.080	ug/L			10/22/11 12:31	1
Chloroform	0.13	U	1.0	0.13	ug/L			10/22/11 12:31	1
Chloromethane	0.18	U	2.0	0.18	ug/L			10/22/11 12:31	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			10/22/11 12:31	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			10/22/11 12:31	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			10/22/11 12:31	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			10/22/11 12:31	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			10/22/11 12:31	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			10/22/11 12:31	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			10/22/11 12:31	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			10/22/11 12:31	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			10/22/11 12:31	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			10/22/11 12:31	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			10/22/11 12:31	1
Styrene	0.070	U	1.0	0.070	ug/L			10/22/11 12:31	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			10/22/11 12:31	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			10/22/11 12:31	1
Toluene	0.15	U	1.0	0.15	ug/L			10/22/11 12:31	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			10/22/11 12:31	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			10/22/11 12:31	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			10/22/11 12:31	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			10/22/11 12:31	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			10/22/11 12:31	1
o-Xylene	0.12	U	1.0	0.12	ug/L			10/22/11 12:31	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			10/22/11 12:31	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			10/22/11 12:31	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			10/22/11 12:31	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			10/22/11 12:31	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			10/22/11 12:31	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*112*		*70 - 130*		*10/22/11 12:31*	*1*
Dibromofluoromethane	*82*		*62 - 130*		*10/22/11 12:31*	*1*
4-Bromofluorobenzene	*80*		*67 - 139*		*10/22/11 12:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*72*		*50 - 134*		*10/22/11 12:31*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-64851/3
Matrix: Water
Analysis Batch: 64851

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	20.0	15.1		ug/L		75	28 - 152
Benzene	10.0	10.5		ug/L		105	69 - 131
Chlorobromomethane	10.0	9.08		ug/L		91	60 - 141
Bromoform	10.0	7.07		ug/L		71	39 - 149
Bromomethane	10.0	9.76		ug/L		98	52 - 146
2-Butanone (MEK)	20.0	15.8		ug/L		79	59 - 133
Carbon disulfide	10.0	10.2		ug/L		102	32 - 177
Carbon tetrachloride	10.0	10.9		ug/L		109	59 - 147
Dibromochloromethane	10.0	8.15		ug/L		81	58 - 132
Chlorobenzene	10.0	9.29		ug/L		93	60 - 136
Chloroethane	10.0	9.35		ug/L		94	56 - 144
Chloroform	10.0	8.38		ug/L		84	69 - 128
Chloromethane	10.0	8.42		ug/L		84	32 - 151
1,1-Dichloroethane	10.0	10.1		ug/L		101	66 - 126
1,2-Dichloroethane	10.0	9.40		ug/L		94	66 - 140
1,1-Dichloroethene	10.0	9.03		ug/L		90	59 - 145
trans-1,2-Dichloroethene	10.0	9.41		ug/L		94	70 - 132
1,2-Dichloropropane	10.0	11.2		ug/L		112	72 - 125
cis-1,3-Dichloropropene	10.0	9.28		ug/L		93	60 - 135
trans-1,3-Dichloropropene	10.0	9.66		ug/L		97	63 - 133
Ethylbenzene	10.0	10.6		ug/L		106	68 - 128
2-Hexanone	20.0	20.1		ug/L		101	51 - 130
Methylene Chloride	10.0	7.77		ug/L		78	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	19.5		ug/L		97	56 - 142
Styrene	10.0	9.63		ug/L		96	68 - 133
1,1,2,2-Tetrachloroethane	10.0	8.71		ug/L		87	68 - 134
Tetrachloroethene	10.0	11.7		ug/L		117	61 - 142
Toluene	10.0	10.3		ug/L		103	67 - 130
1,1,1-Trichloroethane	10.0	10.9		ug/L		109	65 - 142
1,1,2-Trichloroethane	10.0	9.09		ug/L		91	68 - 130
Trichloroethene	10.0	12.3		ug/L		123	68 - 130
Vinyl acetate	10.0	10.4		ug/L		104	58 - 175
Vinyl chloride	10.0	9.85		ug/L		99	47 - 146
o-Xylene	10.0	9.91		ug/L		99	68 - 134
m-Xylene & p-Xylene	20.0	20.7		ug/L		103	67 - 132
Xylenes, Total	30.0	30.6		ug/L		102	68 - 132
cis-1,2-Dichloroethene	10.0	9.42		ug/L		94	69 - 129
Bromodichloromethane	10.0	8.51		ug/L		85	73 - 130
1,2-Dichloroethene, Total	20.0	18.8		ug/L		94	65 - 127

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*103*		*70 - 130*
Dibromofluoromethane	*89*		*62 - 130*
4-Bromofluorobenzene	*98*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*81*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 600-64905/4
Matrix: Water
Analysis Batch: 64905

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			10/23/11 11:56	1
Benzene	0.080	U	1.0	0.080	ug/L			10/23/11 11:56	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			10/23/11 11:56	1
Bromoform	0.19	U	1.0	0.19	ug/L			10/23/11 11:56	1
Bromomethane	0.25	U	2.0	0.25	ug/L			10/23/11 11:56	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			10/23/11 11:56	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			10/23/11 11:56	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			10/23/11 11:56	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			10/23/11 11:56	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			10/23/11 11:56	1
Chloroethane	0.080	U	2.0	0.080	ug/L			10/23/11 11:56	1
Chloroform	0.13	U	1.0	0.13	ug/L			10/23/11 11:56	1
Chloromethane	0.18	U	2.0	0.18	ug/L			10/23/11 11:56	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			10/23/11 11:56	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			10/23/11 11:56	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			10/23/11 11:56	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			10/23/11 11:56	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			10/23/11 11:56	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			10/23/11 11:56	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			10/23/11 11:56	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			10/23/11 11:56	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			10/23/11 11:56	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			10/23/11 11:56	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			10/23/11 11:56	1
Styrene	0.070	U	1.0	0.070	ug/L			10/23/11 11:56	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			10/23/11 11:56	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			10/23/11 11:56	1
Toluene	0.15	U	1.0	0.15	ug/L			10/23/11 11:56	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			10/23/11 11:56	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			10/23/11 11:56	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			10/23/11 11:56	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			10/23/11 11:56	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			10/23/11 11:56	1
o-Xylene	0.12	U	1.0	0.12	ug/L			10/23/11 11:56	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			10/23/11 11:56	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			10/23/11 11:56	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			10/23/11 11:56	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			10/23/11 11:56	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			10/23/11 11:56	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*119*		*70 - 130*		*10/23/11 11:56*	*1*
Dibromofluoromethane	*82*		*62 - 130*		*10/23/11 11:56*	*1*
4-Bromofluorobenzene	*84*		*67 - 139*		*10/23/11 11:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*79*		*50 - 134*		*10/23/11 11:56*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-64905/3
Matrix: Water
Analysis Batch: 64905

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	20.0	15.1		ug/L		75	28 - 152
Benzene	10.0	10.9		ug/L		109	69 - 131
Chlorobromomethane	10.0	9.36		ug/L		94	60 - 141
Bromoform	10.0	8.57		ug/L		86	39 - 149
Bromomethane	10.0	8.51		ug/L		85	52 - 146
2-Butanone (MEK)	20.0	15.0		ug/L		75	59 - 133
Carbon disulfide	10.0	10.5		ug/L		105	32 - 177
Carbon tetrachloride	10.0	12.1		ug/L		121	59 - 147
Dibromochloromethane	10.0	9.20		ug/L		92	58 - 132
Chlorobenzene	10.0	10.6		ug/L		106	60 - 136
Chloroethane	10.0	8.09		ug/L		81	56 - 144
Chloroform	10.0	10.4		ug/L		104	69 - 128
Chloromethane	10.0	6.81		ug/L		68	32 - 151
1,1-Dichloroethane	10.0	10.6		ug/L		106	66 - 126
1,2-Dichloroethane	10.0	10.3		ug/L		103	66 - 140
1,1-Dichloroethene	10.0	9.08		ug/L		91	59 - 145
trans-1,2-Dichloroethene	10.0	9.40		ug/L		94	70 - 132
1,2-Dichloropropane	10.0	10.1		ug/L		101	72 - 125
cis-1,3-Dichloropropene	10.0	9.88		ug/L		99	60 - 135
trans-1,3-Dichloropropene	10.0	10.3		ug/L		103	63 - 133
Ethylbenzene	10.0	12.0		ug/L		120	68 - 128
2-Hexanone	20.0	19.7		ug/L		98	51 - 130
Methylene Chloride	10.0	7.29		ug/L		73	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	18.4		ug/L		92	56 - 142
Styrene	10.0	11.1		ug/L		111	68 - 133
1,1,2,2-Tetrachloroethane	10.0	8.14		ug/L		81	68 - 134
Tetrachloroethene	10.0	13.9		ug/L		139	61 - 142
Toluene	10.0	11.1		ug/L		111	67 - 130
1,1,1-Trichloroethane	10.0	12.1		ug/L		121	65 - 142
1,1,2-Trichloroethane	10.0	9.89		ug/L		99	68 - 130
Trichloroethene	10.0	12.1		ug/L		121	68 - 130
Vinyl acetate	10.0	10.5		ug/L		105	58 - 175
Vinyl chloride	10.0	7.77		ug/L		78	47 - 146
o-Xylene	10.0	11.2		ug/L		112	68 - 134
m-Xylene & p-Xylene	20.0	23.5		ug/L		118	67 - 132
Xylenes, Total	30.0	34.7		ug/L		116	68 - 132
cis-1,2-Dichloroethene	10.0	9.14		ug/L		91	69 - 129
Bromodichloromethane	10.0	9.86		ug/L		99	73 - 130
1,2-Dichloroethene, Total	20.0	18.5		ug/L		93	65 - 127

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*112*		*70 - 130*
Dibromofluoromethane	*90*		*62 - 130*
4-Bromofluorobenzene	*95*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*81*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Lab Sample ID: 600-44501-10 MS
Matrix: Water
Analysis Batch: 64696

Client Sample ID: MW-68-24-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone - DL	200		4000	3000		ug/L		75	60 - 140
Benzene - DL	110		2000	2020		ug/L		96	65 - 125
Chlorobromomethane - DL	36		2000	1700		ug/L		85	60 - 140
Bromoform - DL	38		2000	1800		ug/L		90	60 - 140
Bromomethane - DL	50		2000	1670		ug/L		84	60 - 140
2-Butanone (MEK) - DL	150		4000	2700		ug/L		68	60 - 140
Carbon disulfide - DL	48		2000	1830		ug/L		92	60 - 140
Carbon tetrachloride - DL	30		2000	2510		ug/L		125	60 - 140
Dibromochloromethane - DL	30		2000	1800		ug/L		90	60 - 140
Chlorobenzene - DL	59		2000	1920		ug/L		93	72 - 122
Chloroethane - DL	16		2000	1550		ug/L		78	60 - 140
Chloroform - DL	26		2000	1800		ug/L		90	60 - 140
Chloromethane - DL	36		2000	1320		ug/L		66	60 - 140
1,1-Dichloroethane - DL	180		2000	2060		ug/L		94	60 - 140
1,2-Dichloroethane - DL	28		2000	2030		ug/L		102	60 - 140
1,1-Dichloroethene - DL	430		2000	1700		ug/L		64	22 - 143
trans-1,2-Dichloroethene - DL	310		2000	2050		ug/L		87	60 - 140
1,2-Dichloropropane - DL	32		2000	1740		ug/L		87	60 - 140
cis-1,3-Dichloropropene - DL	36		2000	1720		ug/L		86	60 - 140
trans-1,3-Dichloropropene - DL	42		2000	1930		ug/L		96	60 - 140
Ethylbenzene - DL	250		2000	2340		ug/L		104	60 - 140
2-Hexanone - DL	70		4000	3030		ug/L		76	60 - 140
Methylene Chloride - DL	30		2000	1400		ug/L		70	60 - 140
4-Methyl-2-pentanone (MIBK) - DL	90		4000	3080		ug/L		77	60 - 140
Styrene - DL	14		2000	2000		ug/L		100	60 - 140
1,1,2,2-Tetrachloroethane - DL	44		2000	1510		ug/L		75	60 - 140
Tetrachloroethene - DL	26		2000	2360		ug/L		118	60 - 140
Toluene - DL	42		2000	1970		ug/L		96	76 - 125
1,1,1-Trichloroethane - DL	30		2000	2390		ug/L		120	60 - 140
1,1,2-Trichloroethane - DL	56		2000	1680		ug/L		84	60 - 140
Trichloroethene - DL	36		2000	2230		ug/L		111	56 - 118
Vinyl acetate - DL	42		2000	1920		ug/L		96	60 - 140
Vinyl chloride - DL	4100		2000	5080	F	ug/L		50	60 - 140
o-Xylene - DL	24		2000	2000		ug/L		100	60 - 140
m-Xylene & p-Xylene - DL	34		4000	4230		ug/L		106	60 - 140
Xylenes, Total - DL	52		6000	6230		ug/L		104	60 - 140
cis-1,2-Dichloroethene - DL	12		2000	1650		ug/L		82	60 - 140
Bromodichloromethane - DL	32		2000	1780		ug/L		89	60 - 140
1,2-Dichloroethene, Total - DL	310		4000	3700		ug/L		85	60 - 140

Surrogate	*MS % Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr) - DL	*90*		*70 - 130*
Dibromofluoromethane - DL	*82*		*62 - 130*
4-Bromofluorobenzene - DL	*79*		*67 - 139*
1,2-Dichloroethane-d4 (Surr) - DL	*76*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Lab Sample ID: 600-44501-10 MSD
Matrix: Water
Analysis Batch: 64696

Client Sample ID: MW-68-24-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Acetone - DL	200		4000	2920		ug/L		73	60 - 140	3	30
Benzene - DL	110		2000	2090		ug/L		99	65 - 125	3	30
Chlorobromomethane - DL	36		2000	1700		ug/L		85	60 - 140	0	30
Bromoform - DL	38		2000	1760		ug/L		88	60 - 140	2	30
Bromomethane - DL	50		2000	1750		ug/L		88	60 - 140	5	30
2-Butanone (MEK) - DL	150		4000	2840		ug/L		71	60 - 140	5	30
Carbon disulfide - DL	48		2000	1900		ug/L		95	60 - 140	4	30
Carbon tetrachloride - DL	30		2000	2600		ug/L		130	60 - 140	4	30
Dibromochloromethane - DL	30		2000	1770		ug/L		89	60 - 140	1	30
Chlorobenzene - DL	59		2000	1920		ug/L		93	72 - 122	0	30
Chloroethane - DL	16		2000	1640		ug/L		82	60 - 140	6	30
Chloroform - DL	26		2000	1850		ug/L		92	60 - 140	3	30
Chloromethane - DL	36		2000	1370		ug/L		68	60 - 140	3	30
1,1-Dichloroethane - DL	180		2000	2130		ug/L		98	60 - 140	4	30
1,2-Dichloroethane - DL	28		2000	2000		ug/L		100	60 - 140	2	30
1,1-Dichloroethene - DL	430		2000	1740		ug/L		65	22 - 143	2	30
trans-1,2-Dichloroethene - DL	310		2000	2120		ug/L		91	60 - 140	3	30
1,2-Dichloropropane - DL	32		2000	1770		ug/L		89	60 - 140	2	30
cis-1,3-Dichloropropene - DL	36		2000	1750		ug/L		88	60 - 140	2	30
trans-1,3-Dichloropropene - DL	42		2000	1910		ug/L		96	60 - 140	1	30
Ethylbenzene - DL	250		2000	2370		ug/L		106	60 - 140	1	30
2-Hexanone - DL	70		4000	3240		ug/L		81	60 - 140	7	30
Methylene Chloride - DL	30		2000	1400		ug/L		70	60 - 140	0	30
4-Methyl-2-pentanone (MIBK) - DL	90		4000	3120		ug/L		78	60 - 140	1	30
Styrene - DL	14		2000	1980		ug/L		99	60 - 140	1	30
1,1,2,2-Tetrachloroethane - DL	44		2000	1470		ug/L		74	60 - 140	2	30
Tetrachloroethene - DL	26		2000	2420		ug/L		121	60 - 140	3	30
Toluene - DL	42		2000	2000		ug/L		98	76 - 125	2	30
1,1,1-Trichloroethane - DL	30		2000	2420		ug/L		121	60 - 140	1	30
1,1,2-Trichloroethane - DL	56		2000	1740		ug/L		87	60 - 140	4	30
Trichloroethene - DL	36		2000	2240		ug/L		112	56 - 118	0	30
Vinyl acetate - DL	42		2000	1890		ug/L		95	60 - 140	1	30
Vinyl chloride - DL	4100		2000	5240	F	ug/L		58	60 - 140	3	30
o-Xylene - DL	24		2000	2000		ug/L		100	60 - 140	0	30
m-Xylene & p-Xylene - DL	34		4000	4280		ug/L		107	60 - 140	1	30
Xylenes, Total - DL	52		6000	6280		ug/L		105	60 - 140	1	30
cis-1,2-Dichloroethene - DL	12		2000	1710		ug/L		86	60 - 140	4	30
Bromodichloromethane - DL	32		2000	1820		ug/L		91	60 - 140	2	30
1,2-Dichloroethene, Total - DL	310		4000	3830		ug/L		88	60 - 140	3	30

Surrogate	*MSD % Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr) - DL	*96*		*70 - 130*
Dibromofluoromethane - DL	*85*		*62 - 130*
4-Bromofluorobenzene - DL	*83*		*67 - 139*
1,2-Dichloroethane-d4 (Surr) - DL	*79*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2

Lab Sample ID: 600-44501-15 MS
Matrix: Water
Analysis Batch: 64851

Client Sample ID: MW-65-pre24-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone - DL2	2000		40000	35200		ug/L		88	60 - 140
Benzene - DL2	4700		20000	26800		ug/L		111	65 - 125
Chlorobromomethane - DL2	360		20000	18500		ug/L		93	60 - 140
Bromoform - DL2	380		20000	14100		ug/L		71	60 - 140
Bromomethane - DL2	500		20000	18400		ug/L		92	60 - 140
2-Butanone (MEK) - DL2	1500		40000	34600		ug/L		86	60 - 140
Carbon disulfide - DL2	480		20000	21400		ug/L		107	60 - 140
Carbon tetrachloride - DL2	300		20000	23000		ug/L		115	60 - 140
Dibromochloromethane - DL2	300		20000	15800		ug/L		79	60 - 140
Chlorobenzene - DL2	1800		20000	20700		ug/L		94	72 - 122
Chloroethane - DL2	160		20000	18000		ug/L		90	60 - 140
Chloroform - DL2	260		20000	19100		ug/L		95	60 - 140
Chloromethane - DL2	360		20000	16600		ug/L		83	60 - 140
1,1-Dichloroethane - DL2	3800		20000	25500		ug/L		109	60 - 140
1,2-Dichloroethane - DL2	1200		20000	19800		ug/L		93	60 - 140
1,1-Dichloroethene - DL2	6800		20000	22000		ug/L		76	22 - 143
trans-1,2-Dichloroethene - DL2	7600		20000	28100		ug/L		103	60 - 140
1,2-Dichloropropane - DL2	320		20000	20200		ug/L		101	60 - 140
cis-1,3-Dichloropropene - DL2	360		20000	17800		ug/L		89	60 - 140
trans-1,3-Dichloropropene - DL2	420		20000	19000		ug/L		95	60 - 140
Ethylbenzene - DL2	1400		20000	23200		ug/L		109	60 - 140
2-Hexanone - DL2	700		40000	37300		ug/L		93	60 - 140
Methylene Chloride - DL2	300		20000	17100		ug/L		85	60 - 140
4-Methyl-2-pentanone (MIBK) - DL2	900		40000	36800		ug/L		92	60 - 140
Styrene - DL2	140		20000	20500		ug/L		103	60 - 140
1,1,2,2-Tetrachloroethane - DL2	440		20000	16700		ug/L		84	60 - 140
Tetrachloroethene - DL2	620		20000	23900		ug/L		116	60 - 140
Toluene - DL2	390		20000	18900		ug/L		93	76 - 125
1,1,1-Trichloroethane - DL2	300		20000	22800		ug/L		114	60 - 140
1,1,2-Trichloroethane - DL2	560		20000	17500		ug/L		88	60 - 140
Trichloroethene - DL2	1100		20000	23700		ug/L		113	56 - 118
Vinyl acetate - DL2	420		20000	22300		ug/L		111	60 - 140
Vinyl chloride - DL2	190000		20000	204000	E 4	ug/L		83	60 - 140
o-Xylene - DL2	240		20000	20700		ug/L		104	60 - 140
m-Xylene & p-Xylene - DL2	340		40000	43500		ug/L		109	60 - 140
Xylenes, Total - DL2	520		60000	64200		ug/L		107	60 - 140
cis-1,2-Dichloroethene - DL2	2000		20000	22000		ug/L		100	60 - 140
Bromodichloromethane - DL2	320		20000	17200		ug/L		86	60 - 140
1,2-Dichloroethene, Total - DL2	9600		40000	50100		ug/L		101	60 - 140

Surrogate	*MS % Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr) - DL2	*104*		*70 - 130*
Dibromofluoromethane - DL2	*94*		*62 - 130*
4-Bromofluorobenzene - DL2	*92*		*67 - 139*
1,2-Dichloroethane-d4 (Surr) - DL2	*81*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2 (Continued)

Lab Sample ID: 600-44501-15 MSD
Matrix: Water
Analysis Batch: 64851

Client Sample ID: MW-65-pre24-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Acetone - DL2	2000		40000	35900		ug/L		90	60 - 140	2	30
Benzene - DL2	4700		20000	29500		ug/L		124	65 - 125	9	30
Chlorobromomethane - DL2	360		20000	19600		ug/L		98	60 - 140	6	30
Bromoform - DL2	380		20000	15700		ug/L		78	60 - 140	10	30
Bromomethane - DL2	500		20000	19700		ug/L		99	60 - 140	7	30
2-Butanone (MEK) - DL2	1500		40000	36700		ug/L		92	60 - 140	6	30
Carbon disulfide - DL2	480		20000	23800		ug/L		119	60 - 140	11	30
Carbon tetrachloride - DL2	300		20000	23700		ug/L		118	60 - 140	3	30
Dibromochloromethane - DL2	300		20000	17300		ug/L		86	60 - 140	9	30
Chlorobenzene - DL2	1800		20000	21600		ug/L		99	72 - 122	4	30
Chloroethane - DL2	160		20000	18600		ug/L		93	60 - 140	3	30
Chloroform - DL2	260		20000	19900		ug/L		100	60 - 140	4	30
Chloromethane - DL2	360		20000	17600		ug/L		88	60 - 140	6	30
1,1-Dichloroethane - DL2	3800		20000	27500		ug/L		119	60 - 140	8	30
1,2-Dichloroethane - DL2	1200		20000	21900		ug/L		104	60 - 140	10	30
1,1-Dichloroethene - DL2	6800		20000	23300		ug/L		82	22 - 143	6	30
trans-1,2-Dichloroethene - DL2	7600		20000	30100		ug/L		113	60 - 140	7	30
1,2-Dichloropropane - DL2	320		20000	19700		ug/L		99	60 - 140	2	30
cis-1,3-Dichloropropene - DL2	360		20000	17100		ug/L		85	60 - 140	4	30
trans-1,3-Dichloropropene - DL2	420		20000	18500		ug/L		93	60 - 140	2	30
Ethylbenzene - DL2	1400		20000	24000		ug/L		113	60 - 140	4	30
2-Hexanone - DL2	700		40000	39400		ug/L		98	60 - 140	6	30
Methylene Chloride - DL2	300		20000	18500		ug/L		93	60 - 140	8	30
4-Methyl-2-pentanone (MIBK) - DL2	900		40000	34600		ug/L		87	60 - 140	6	30
Styrene - DL2	140		20000	21000		ug/L		105	60 - 140	2	30
1,1,2,2-Tetrachloroethane - DL2	440		20000	18800		ug/L		94	60 - 140	12	30
Tetrachloroethene - DL2	620		20000	24900		ug/L		122	60 - 140	4	30
Toluene - DL2	390		20000	19900		ug/L		98	76 - 125	5	30
1,1,1-Trichloroethane - DL2	300		20000	25000		ug/L		125	60 - 140	9	30
1,1,2-Trichloroethane - DL2	560		20000	17900		ug/L		90	60 - 140	2	30
Trichloroethene - DL2	1100		20000	22900		ug/L		109	56 - 118	3	30
Vinyl acetate - DL2	420		20000	23000		ug/L		115	60 - 140	3	30
Vinyl chloride - DL2	190000		20000	219000	E 4	ug/L		159	60 - 140	7	30
o-Xylene - DL2	240		20000	21900		ug/L		110	60 - 140	6	30
m-Xylene & p-Xylene - DL2	340		40000	44200		ug/L		110	60 - 140	2	30
Xylenes, Total - DL2	520		60000	66100		ug/L		110	60 - 140	3	30
cis-1,2-Dichloroethene - DL2	2000		20000	23000		ug/L		105	60 - 140	5	30
Bromodichloromethane - DL2	320		20000	16500		ug/L		82	60 - 140	4	30
1,2-Dichloroethene, Total - DL2	9600		40000	53100		ug/L		109	60 - 140	6	30

Surrogate	*MSD % Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr) - DL2	*96*		*70 - 130*
Dibromofluoromethane - DL2	*94*		*62 - 130*
4-Bromofluorobenzene - DL2	*100*		*67 - 139*
1,2-Dichloroethane-d4 (Surr) - DL2	*82*		*50 - 134*

QC Association Summary

Client: Groundwater Services, Inc.
Project/Site: N-80- G-3880

TestAmerica Job ID: 600-44501-1

GC/MS VOA

Analysis Batch: 64681

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-44501-1	MW-71-pre24-1	Total/NA	Water	8260B	
600-44501-3	MW-8-pre24-1	Total/NA	Water	8260B	
600-44501-4	MW-11-pre24-1	Total/NA	Water	8260B	
600-44501-5	MW-8-24-1	Total/NA	Water	8260B	
600-44501-6	MW-11-24-1	Total/NA	Water	8260B	
600-44501-7	MW-40-pre24-1	Total/NA	Water	8260B	
600-44501-8	MW-68-pre24-1	Total/NA	Water	8260B	
600-44501-9	MW-40-24-1	Total/NA	Water	8260B	
600-44501-10	MW-68-24-1	Total/NA	Water	8260B	
LCS 600-64681/3	Lab Control Sample	Total/NA	Water	8260B	
MB 600-64681/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 64696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-44501-1 - DL	MW-71-pre24-1	Total/NA	Water	8260B	
600-44501-2	MW-71-24-1	Total/NA	Water	8260B	
600-44501-2 - DL	MW-71-24-1	Total/NA	Water	8260B	
600-44501-3 - DL	MW-8-pre24-1	Total/NA	Water	8260B	
600-44501-4 - DL	MW-11-pre24-1	Total/NA	Water	8260B	
600-44501-5 - DL	MW-8-24-1	Total/NA	Water	8260B	
600-44501-6 - DL	MW-11-24-1	Total/NA	Water	8260B	
600-44501-8 - DL	MW-68-pre24-1	Total/NA	Water	8260B	
600-44501-10 - DL	MW-68-24-1	Total/NA	Water	8260B	
600-44501-10 MS - DL	MW-68-24-1	Total/NA	Water	8260B	
600-44501-10 MSD - DL	MW-68-24-1	Total/NA	Water	8260B	
600-44501-11	MW-66-pre24-1	Total/NA	Water	8260B	
600-44501-11 - DL	MW-66-pre24-1	Total/NA	Water	8260B	
600-44501-12	MW-4-pre24-1	Total/NA	Water	8260B	
600-44501-13	MW-66-24-1	Total/NA	Water	8260B	
LCS 600-64696/3	Lab Control Sample	Total/NA	Water	8260B	
MB 600-64696/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 64800

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-44501-12 - DL	MW-4-pre24-1	Total/NA	Water	8260B	
600-44501-12 - DL2	MW-4-pre24-1	Total/NA	Water	8260B	
600-44501-13 - DL	MW-66-24-1	Total/NA	Water	8260B	
600-44501-13 - DL2	MW-66-24-1	Total/NA	Water	8260B	
600-44501-14	MW-4-24-1	Total/NA	Water	8260B	
600-44501-15	MW-65-pre24-1	Total/NA	Water	8260B	
600-44501-16	MW-65-24-1	Total/NA	Water	8260B	
LCS 600-64800/3	Lab Control Sample	Total/NA	Water	8260B	
MB 600-64800/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 64851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-44501-14 - DL	MW-4-24-1	Total/NA	Water	8260B	
600-44501-14 - DL2	MW-4-24-1	Total/NA	Water	8260B	
600-44501-15 - DL2	MW-65-pre24-1	Total/NA	Water	8260B	
600-44501-15 - DL	MW-65-pre24-1	Total/NA	Water	8260B	
600-44501-15 - DL3	MW-65-pre24-1	Total/NA	Water	8260B	
600-44501-15 MS - DL2	MW-65-pre24-1	Total/NA	Water	8260B	

GC/MS VOA (Continued)

Analysis Batch: 64851 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-44501-15 MSD - DL2	MW-65-pre24-1	Total/NA	Water	8260B	
600-44501-16 - DL	MW-65-24-1	Total/NA	Water	8260B	
600-44501-16 - DL2	MW-65-24-1	Total/NA	Water	8260B	
LCS 600-64851/3	Lab Control Sample	Total/NA	Water	8260B	
MB 600-64851/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 64905

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-44501-17	DUP-24-1	Total/NA	Water	8260B	
600-44501-17 - DL	DUP-24-1	Total/NA	Water	8260B	
600-44501-18	Trip Blank	Total/NA	Water	8260B	
LCS 600-64905/3	Lab Control Sample	Total/NA	Water	8260B	
MB 600-64905/4	Method Blank	Total/NA	Water	8260B	

Lab Chronicle

Client: Groundwater Services, Inc.
Project/Site: N-80- G-3880

TestAmerica Job ID: 600-44501-1

Client Sample ID: MW-71-pre24-1 — Lab Sample ID: 600-44501-1

Date Collected: 10/11/11 09:45 — **Matrix: Water**
Date Received: 10/12/11 10:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	64681	10/19/11 20:02	WS	TAL HOU
Total/NA	Analysis	8260B	DL	200	64696	10/20/11 18:50	WS	TAL HOU

Client Sample ID: MW-71-24-1 — Lab Sample ID: 600-44501-2

Date Collected: 10/11/11 10:50 — **Matrix: Water**
Date Received: 10/12/11 10:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	64696	10/20/11 19:18	WS	TAL HOU
Total/NA	Analysis	8260B	DL	100	64696	10/20/11 19:47	WS	TAL HOU

Client Sample ID: MW-8-pre24-1 — Lab Sample ID: 600-44501-3

Date Collected: 10/11/11 11:30 — **Matrix: Water**
Date Received: 10/12/11 10:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	64681	10/19/11 19:33	WS	TAL HOU
Total/NA	Analysis	8260B	DL	100	64696	10/20/11 18:22	WS	TAL HOU

Client Sample ID: MW-11-pre24-1 — Lab Sample ID: 600-44501-4

Date Collected: 10/11/11 11:45 — **Matrix: Water**
Date Received: 10/12/11 10:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	64681	10/19/11 17:12	WS	TAL HOU
Total/NA	Analysis	8260B	DL	400	64696	10/20/11 13:13	WS	TAL HOU

Client Sample ID: MW-8-24-1 — Lab Sample ID: 600-44501-5

Date Collected: 10/11/11 12:35 — **Matrix: Water**
Date Received: 10/12/11 10:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	64681	10/19/11 17:40	WS	TAL HOU
Total/NA	Analysis	8260B	DL	200	64696	10/20/11 16:57	WS	TAL HOU

Client Sample ID: MW-11-24-1 — Lab Sample ID: 600-44501-6

Date Collected: 10/11/11 12:50 — **Matrix: Water**
Date Received: 10/12/11 10:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	64681	10/19/11 18:08	WS	TAL HOU
Total/NA	Analysis	8260B	DL	500	64696	10/20/11 17:26	WS	TAL HOU

Lab Chronicle

Client: Groundwater Services, Inc.
Project/Site: N-80- G-3880

TestAmerica Job ID: 600-44501-1

Client Sample ID: MW-40-pre24-1 — Lab Sample ID: 600-44501-7

Date Collected: 10/11/11 13:55 — **Matrix: Water**
Date Received: 10/12/11 10:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	64681	10/19/11 18:37	WS	TAL HOU

Client Sample ID: MW-68-pre24-1 — Lab Sample ID: 600-44501-8

Date Collected: 10/11/11 14:05 — **Matrix: Water**
Date Received: 10/12/11 10:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	64681	10/19/11 19:05	WS	TAL HOU
Total/NA	Analysis	8260B	DL	200	64696	10/20/11 17:54	WS	TAL HOU

Client Sample ID: MW-40-24-1 — Lab Sample ID: 600-44501-9

Date Collected: 10/11/11 15:00 — **Matrix: Water**
Date Received: 10/12/11 10:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	64681	10/19/11 15:48	WS	TAL HOU

Client Sample ID: MW-68-24-1 — Lab Sample ID: 600-44501-10

Date Collected: 10/11/11 15:10 — **Matrix: Water**
Date Received: 10/12/11 10:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	64681	10/19/11 16:16	WS	TAL HOU
Total/NA	Analysis	8260B	DL	200	64696	10/20/11 11:48	WS	TAL HOU

Client Sample ID: MW-66-pre24-1 — Lab Sample ID: 600-44501-11

Date Collected: 10/11/11 15:30 — **Matrix: Water**
Date Received: 10/12/11 10:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		200	64696	10/20/11 16:01	WS	TAL HOU
Total/NA	Analysis	8260B	DL	5000	64696	10/20/11 16:29	WS	TAL HOU

Client Sample ID: MW-4-pre24-1 — Lab Sample ID: 600-44501-12

Date Collected: 10/11/11 15:45 — **Matrix: Water**
Date Received: 10/12/11 10:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	64696	10/20/11 20:14	WS	TAL HOU
Total/NA	Analysis	8260B	DL	500	64800	10/21/11 14:19	WS	TAL HOU
Total/NA	Analysis	8260B	DL2	5000	64800	10/21/11 14:48	WS	TAL HOU

Lab Chronicle

Client: Groundwater Services, Inc.
Project/Site: N-80- G-3880

TestAmerica Job ID: 600-44501-1

Client Sample ID: MW-66-24-1 — Lab Sample ID: 600-44501-13

Date Collected: 10/11/11 16:40 — **Matrix: Water**
Date Received: 10/12/11 10:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	64696	10/20/11 20:43	WS	TAL HOU
Total/NA	Analysis	8260B	DL	200	64800	10/21/11 15:16	WS	TAL HOU
Total/NA	Analysis	8260B	DL2	10000	64800	10/21/11 15:45	WS	TAL HOU

Client Sample ID: MW-4-24-1 — Lab Sample ID: 600-44501-14

Date Collected: 10/11/11 16:50 — **Matrix: Water**
Date Received: 10/12/11 10:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	64800	10/21/11 18:36	WS	TAL HOU
Total/NA	Analysis	8260B	DL	400	64851	10/22/11 15:31	WS	TAL HOU
Total/NA	Analysis	8260B	DL2	5000	64851	10/22/11 15:59	WS	TAL HOU

Client Sample ID: MW-65-pre24-1 — Lab Sample ID: 600-44501-15

Date Collected: 10/11/11 17:00 — **Matrix: Water**
Date Received: 10/12/11 10:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	64800	10/21/11 19:04	WS	TAL HOU
Total/NA	Analysis	8260B	DL2	2000	64851	10/22/11 14:07	WS	TAL HOU
Total/NA	Analysis	8260B	DL	200	64851	10/22/11 14:35	WS	TAL HOU
Total/NA	Analysis	8260B	DL3	10000	64851	10/22/11 15:03	WS	TAL HOU

Client Sample ID: MW-65-24-1 — Lab Sample ID: 600-44501-16

Date Collected: 10/11/11 18:05 — **Matrix: Water**
Date Received: 10/12/11 10:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	64800	10/21/11 19:32	WS	TAL HOU
Total/NA	Analysis	8260B	DL	200	64851	10/22/11 16:28	WS	TAL HOU
Total/NA	Analysis	8260B	DL2	10000	64851	10/22/11 16:56	WS	TAL HOU

Client Sample ID: DUP-24-1 — Lab Sample ID: 600-44501-17

Date Collected: 10/11/11 00:00 — **Matrix: Water**
Date Received: 10/12/11 10:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	64905	10/23/11 14:56	WS	TAL HOU
Total/NA	Analysis	8260B	DL	200	64905	10/23/11 15:25	WS	TAL HOU

Lab Chronicle

Client: Groundwater Services, Inc.
Project/Site: N-80- G-3880

TestAmerica Job ID: 600-44501-1

Client Sample ID: Trip Blank

Lab Sample ID: 600-44501-18

Date Collected: 10/11/11 00:00

Matrix: Water

Date Received: 10/12/11 10:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	64905	10/23/11 18:43	WS	TAL HOU

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Certification Summary

Client: Groundwater Services, Inc.
Project/Site: N-80- G-3880

TestAmerica Job ID: 600-44501-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Houston	Arkansas	State Program	6	88-0759
TestAmerica Houston	Louisiana	NELAC	6	30643
TestAmerica Houston	Oklahoma	State Program	6	9503
TestAmerica Houston	Texas	NELAC	6	T104704223-10-6-TX
TestAmerica Houston	USDA	USDA		P330-08-00217
TestAmerica Houston	Utah	NELAC	8	GULF

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: Groundwater Services, Inc.
Project/Site: N-80- G-3880

TestAmerica Job ID: 600-44501-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL HOU

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Sample Summary

Client: Groundwater Services, Inc.
Project/Site: N-80- G-3880

TestAmerica Job ID: 600-44501-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
600-44501-1	MW-71-pre24-1	Water	10/11/11 09:45	10/12/11 10:58
600-44501-2	MW-71-24-1	Water	10/11/11 10:50	10/12/11 10:58
600-44501-3	MW-8-pre24-1	Water	10/11/11 11:30	10/12/11 10:58
600-44501-4	MW-11-pre24-1	Water	10/11/11 11:45	10/12/11 10:58
600-44501-5	MW-8-24-1	Water	10/11/11 12:35	10/12/11 10:58
600-44501-6	MW-11-24-1	Water	10/11/11 12:50	10/12/11 10:58
600-44501-7	MW-40-pre24-1	Water	10/11/11 13:55	10/12/11 10:58
600-44501-8	MW-68-pre24-1	Water	10/11/11 14:05	10/12/11 10:58
600-44501-9	MW-40-24-1	Water	10/11/11 15:00	10/12/11 10:58
600-44501-10	MW-68-24-1	Water	10/11/11 15:10	10/12/11 10:58
600-44501-11	MW-66-pre24-1	Water	10/11/11 15:30	10/12/11 10:58
600-44501-12	MW-4-pre24-1	Water	10/11/11 15:45	10/12/11 10:58
600-44501-13	MW-66-24-1	Water	10/11/11 16:40	10/12/11 10:58
600-44501-14	MW-4-24-1	Water	10/11/11 16:50	10/12/11 10:58
600-44501-15	MW-65-pre24-1	Water	10/11/11 17:00	10/12/11 10:58
600-44501-16	MW-65-24-1	Water	10/11/11 18:05	10/12/11 10:58
600-44501-17	DUP-24-1	Water	10/11/11 00:00	10/12/11 10:58
600-44501-18	Trip Blank	Water	10/11/11 00:00	10/12/11 10:58

Loc: 600
44501

TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Phone (713) 690-4444 Fax (713) 690-5646

Chain of Custody Record

Sampler: Kelt, BJB	Lab PM: Kudchadkar, Sachin G	Carrier Tracking No(s):	COC No: 600-11558-5028.1
Phone: 713-522-6300	E-Mail: sachin.kudchadkar@testamericainc.com		Page: Page 1 of 2
			Job #: G-3380

Client Information

Client Contact: Ms. Kate Hamel
Company: Groundwater Services, Inc.
Address: 2211 Norfolk, Suite 1000
City: Houston
State, Zip: TX, 77098-4044
Phone: 713-522-6300(Tel)
Email: kchamel@gsi-net.com, tem@gsi-net.com ; dta@gsi-net.com
Project Name: G-3880
Site: N-80

Due Date Requested:
TAT Requested (days): STANDARD
PO #: Purchase Order not requir
WO #:
Project #: 60002425
SSOW#:

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B_LL - Target Compound List	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
MW-71-pre24-1	10/11/11	945	G	Water	N	Y	✓		
MW-71-24-1		1050		Water			✓		
MW-8-pre24-1		1130		Water			✓		
MW-11-pre24-1		1145		Water			✓		
MW-8-24-1		1235		Water			✓		
MW-11-24-1		1250		Water			✓		
MW-40-pre24-1		1355		Water			✓		
MW-68-pre24-1		1405		Water			✓		
MW-40-24-1		1500		Water			✓		
MW-68-24-1		1510		Water			✓		
MW-66-pre24-1		1530		Water			✓		

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months

Special Instructions/QC Requirements: STANDARD Level QA/QC.

Deliverable Requested: I, II, III, IV, Other (specify) SAME AS PREVIOUS

Method of Shipment:

Empty Kit Relinquished by:	Date:	Time:			
Relinquished by: KATE HAMEL	Date/Time: 10/12/11 1400	Company: GSI	Received by:	Date/Time: 10/12/11 1058	Company: TAL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 10-12-11 1058	Company: TAL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks:

TestAme: ·uston
6310 Rothway Street
Houston, TX 77040
Phone (713) 690-4444 Fax (713) 690-5646

Chain of Custody Record

Client Information	Sampler: KOH, BJB	Lab PM: Kudchadkar, Sachin G	Carrier Tracking No(s):	COC No: 600-11558-5028.1
Client Contact: Ms. Kate Hamel	Phone: 713-522-6300	E-Mail: sachin.kudchadkar@testamericainc.com		Page: Page 2 of 2
Company: Groundwater Services, Inc.				Job #: 6-3380
Address: 2211 Norfolk, Suite 1000	Due Date Requested:			
City: Houston	TAT Requested (days): STANDARD			
State, Zip: TX, 77098-4044				
Phone: 713-522-6300(Tel)	PO #: Purchase Order not requir			
Email: kchamel@gsi-net.com, tem@gsi-net.com, dtn6gsi-net.com	WO #:			
Project Name: G-3880	Project #: 60002425			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B_LL - Target Compound List	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
MW-4-pre24-1	10/11/11	1545	G	Water	N	Y	✓		
MW-66-24-1		1640		Water			✓		
MW-4-24-1		1650		Water			✓		
MW-65-pre24-1		1700		Water			✓		
MW-65-24-1		1805		Water			✓		
DUP-24-1		—		Water			✓		
TRIP BLANK		—		Water			✓		
				Water					
				Water					
				Water					

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify) STANDARD

Special Instructions/QC Requirements: STANDARD

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
KATE HAMEL	10/12/11 1100	GSI	[signature]	10/12/11 1058	TAL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
			[signature]	10-12-11 1058	TAL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks:

Login Sample Receipt Checklist

Client: Groundwater Services, Inc.

Job Number: 600-44501-1

Login Number: 44501
List Number: 1
Creator: Roberts, Kenneth

List Source: TestAmerica Houston

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Tel: (713)690-4444

TestAmerica Job ID: 600-43447-1
Client Project/Site: N-80

For:
Groundwater Services, Inc.
2211 Norfolk, Suite 1000
Houston, Texas 77098-4044

Attn: Ms. Kate Hamel

Authorized for release by:
09/22/2011 03:36:38 PM
Cathy Upton
LAN Analyst
cathy.upton@testamericainc.com

Designee for

Sachin Kudchadkar
Project Manager II
sachin.kudchadkar@testamericainc.com

LINKS

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Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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Definitions/Glossary

Client: Groundwater Services, Inc.
Project/Site: N-80

TestAmerica Job ID: 600-43447-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
F	MS or MSD exceeds the control limits
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.
F	RPD of the MS and MSD exceeds the control limits
X	Surrogate is outside control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit (Dioxin)
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or method detection limit if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 600-43447-1

Laboratory: TestAmerica Houston

Narrative

Job Narrative
600-43447-1

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
Method(s) 8260B: A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for five analytes to recover outside criteria for this method when a full list spike is utilized. The LCS associated with batch 62650 had two analytes outside control limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8260B: Methylene chloride was detected above the MDL, but below the MQL in the method blank. This analyte is a recognized potential laboratory contaminant. The level of detection is below the recommended reporting limit and the appropriate flags have been applied.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries associated with batch 62650 were outside control limits: (600-43447-11 MS), (600-43447-11 MSD). Matrix interference is suspected.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) precision for sample (600-43447-11 MS), (600-43447-11 MSD) was outside control limits. Matrix interference of the sample matrix is suspected.

Method(s) 8260B: Surrogate recovery for the following sample(s) was outside control limits: DUP-1 (600-43447-9), MW-66-LF-1 (600-43447-5), MW-66-PRE-SLAB (600-43447-15). Evidence of matrix interference is present.

Method(s) 8260B: The following sample(s) was diluted due to the nature of the sample matrix: DUP-1 (600-43447-9), MW-11-LF-1 (600-43447-3), MW-11-PRE-SLAB (600-43447-13), MW-40-LF-1 (600-43447-4), MW-40-PRE-SLAB (600-43447-14), MW-4-PRE-SLAB (600-43447-17), MW-65-LF-1 (600-43447-8), MW-65-PRE-SLAB (600-43447-18), MW-66-LF-1 (600-43447-5), MW-66-PRE-SLAB (600-43447-15), MW-68-LF-1 (600-43447-6), MW-68-PRE-SLAB (600-43447-16), MW-71-LF-1 (600-43447-1), MW-71-PRE-SLAB (600-43447-11), MW-8-LF-1 (600-43447-2). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: Surrogate recovery for the following sample(s) was outside control limits: MW-4-LF-1 (600-43447-7). Evidence of matrix interference is present.

Method(s) 8260B: The following sample(s) was diluted due to the nature of the sample matrix: MW-4-LF-1 (600-43447-7). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The continuing calibration verification (CCV) for analytical batch 62686 exceeded control criteria for Acetone. This analyte was biased high in the CCV and was not detected in the associated samples. The laboratory SOP allows for five analytes to recover outside criteria for this method. The data have been qualified and reported.

Method(s) 8260B: The laboratory control sample (LCS) for batch 62686 exceeded control limits for the following analyte: chloromethane. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260B: Methylene chloride was detected above the MDL, but below the MQL in the method blank. This analyte is a recognized potential laboratory contaminant. The level of detection is below the recommended reporting limit and the appropriate flags have been applied.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries associated with batch 62686 were outside control limits: (600-43447-4 MS), (600-43447-4 MSD). Matrix interference is suspected.

Method(s) 8260B: The following sample was diluted due to the nature of the sample matrix: MW-8-PRE-SLAB (600-43447-12). Elevated

Job ID: 600-43447-1 (Continued)

Laboratory: TestAmerica Houston (Continued)

reporting limits (RLs) are provided.

Method(s) 8260B: Surrogate recovery for the following sample was outside control limits: MW-4-LF-1 (600-43447-7). Evidence of matrix interference is present.

Method(s) 8260B: Ethylbenzene, Methylene Chloride, m-Xylene & p-Xylene, and Toluene were detected above the MDL, but below the MQL in the method blank. Methylene chloride is a recognized potential laboratory contaminant. The level of detection is below the recommended reporting limit and the appropriate flags have been applied.

No other analytical or quality issues were noted.

Detection Summary

Client: Groundwater Services, Inc.
Project/Site: N-80

TestAmerica Job ID: 600-43447-1

Client Sample ID: MW-71-LF-1 — Lab Sample ID: 600-43447-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1600		100	8.0	ug/L	100		8260B	Total/NA
Chlorobenzene	150		100	12	ug/L	100		8260B	Total/NA
1,1-Dichloroethane	610		100	11	ug/L	100		8260B	Total/NA
Ethylbenzene	280		100	11	ug/L	100		8260B	Total/NA
Toluene	56	J	100	15	ug/L	100		8260B	Total/NA
Vinyl chloride	230		200	11	ug/L	100		8260B	Total/NA
m-Xylene & p-Xylene	18	J	100	17	ug/L	100		8260B	Total/NA

Client Sample ID: MW-8-LF-1 — Lab Sample ID: 600-43447-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1300		100	8.0	ug/L	100		8260B	Total/NA
Carbon disulfide	29	J	200	24	ug/L	100		8260B	Total/NA
Chlorobenzene	110		100	12	ug/L	100		8260B	Total/NA
1,1-Dichloroethane	350		100	11	ug/L	100		8260B	Total/NA
1,1-Dichloroethene	91	J	100	19	ug/L	100		8260B	Total/NA
trans-1,2-Dichloroethene	360		100	9.0	ug/L	100		8260B	Total/NA
Ethylbenzene	620		100	11	ug/L	100		8260B	Total/NA
Methylene Chloride	35	J B	500	15	ug/L	100		8260B	Total/NA
Toluene	140		100	15	ug/L	100		8260B	Total/NA
Trichloroethene	22	J	100	18	ug/L	100		8260B	Total/NA
o-Xylene	13	J	100	12	ug/L	100		8260B	Total/NA
m-Xylene & p-Xylene	28	J	100	17	ug/L	100		8260B	Total/NA
Xylenes, Total	41	J	100	26	ug/L	100		8260B	Total/NA
cis-1,2-Dichloroethene	100		100	6.0	ug/L	100		8260B	Total/NA
1,2-Dichloroethene, Total	460		100	30	ug/L	100		8260B	Total/NA
Vinyl chloride - DL	10000		2000	110	ug/L	1000		8260B	Total/NA

Client Sample ID: MW-11-LF-1 — Lab Sample ID: 600-43447-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	130		100	8.0	ug/L	100		8260B	Total/NA
Chlorobenzene	340		100	12	ug/L	100		8260B	Total/NA
1,1-Dichloroethane	1200		100	11	ug/L	100		8260B	Total/NA
1,2-Dichloroethane	4500		100	14	ug/L	100		8260B	Total/NA
1,1-Dichloroethene	860		100	19	ug/L	100		8260B	Total/NA
trans-1,2-Dichloroethene	2100		100	9.0	ug/L	100		8260B	Total/NA
Ethylbenzene	27	J	100	11	ug/L	100		8260B	Total/NA
Methylene Chloride	51	J B	500	15	ug/L	100		8260B	Total/NA
Tetrachloroethene	14	J	100	13	ug/L	100		8260B	Total/NA
1,1,2-Trichloroethane	52	J	100	28	ug/L	100		8260B	Total/NA
Trichloroethene	810		100	18	ug/L	100		8260B	Total/NA
cis-1,2-Dichloroethene	4200		100	6.0	ug/L	100		8260B	Total/NA
1,2-Dichloroethene, Total	6300		100	30	ug/L	100		8260B	Total/NA
Vinyl chloride - DL	46000		10000	550	ug/L	5000		8260B	Total/NA

Client Sample ID: MW-40-LF-1 — Lab Sample ID: 600-43447-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	140		100	8.0	ug/L	100		8260B	Total/NA
Chlorobenzene	540		100	12	ug/L	100		8260B	Total/NA
1,1-Dichloroethane	690		100	11	ug/L	100		8260B	Total/NA
trans-1,2-Dichloroethene	28	J	100	9.0	ug/L	100		8260B	Total/NA
Ethylbenzene	150		100	11	ug/L	100		8260B	Total/NA

Client Sample ID: MW-40-LF-1 (Continued) — Lab Sample ID: 600-43447-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	81	J B	500	15	ug/L	100		8260B	Total/NA
Toluene	36	J	100	15	ug/L	100		8260B	Total/NA
cis-1,2-Dichloroethene	18	J	100	6.0	ug/L	100		8260B	Total/NA
1,2-Dichloroethene, Total	46	J	100	30	ug/L	100		8260B	Total/NA
Vinyl chloride - DL	6200		500	28	ug/L	250		8260B	Total/NA

Client Sample ID: MW-66-LF-1 — Lab Sample ID: 600-43447-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1700	*	1000	200	ug/L	200		8260B	Total/NA
Benzene	7100		200	16	ug/L	200		8260B	Total/NA
Chlorobenzene	2200		200	24	ug/L	200		8260B	Total/NA
Chloroform	57	J	200	26	ug/L	200		8260B	Total/NA
1,1-Dichloroethane	2900		200	22	ug/L	200		8260B	Total/NA
1,1-Dichloroethene	3000		200	38	ug/L	200		8260B	Total/NA
trans-1,2-Dichloroethene	2900		200	18	ug/L	200		8260B	Total/NA
Ethylbenzene	4800		200	22	ug/L	200		8260B	Total/NA
Methylene Chloride	390	J B	1000	30	ug/L	200		8260B	Total/NA
Styrene	2000		200	14	ug/L	200		8260B	Total/NA
Tetrachloroethene	250		200	26	ug/L	200		8260B	Total/NA
Toluene	2900		200	30	ug/L	200		8260B	Total/NA
Trichloroethene	1200		200	36	ug/L	200		8260B	Total/NA
o-Xylene	24	J	200	24	ug/L	200		8260B	Total/NA
m-Xylene & p-Xylene	80	J	200	34	ug/L	200		8260B	Total/NA
Xylenes, Total	100	J	200	52	ug/L	200		8260B	Total/NA
cis-1,2-Dichloroethene	1300		200	12	ug/L	200		8260B	Total/NA
1,2-Dichloroethene, Total	4200		200	60	ug/L	200		8260B	Total/NA
1,2-Dichloroethane - DL	150000		10000	1400	ug/L	10000		8260B	Total/NA
1,1,2-Trichloroethane - DL	110000		10000	2800	ug/L	10000		8260B	Total/NA
Vinyl chloride - DL	160000		20000	1100	ug/L	10000		8260B	Total/NA

Client Sample ID: MW-68-LF-1 — Lab Sample ID: 600-43447-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	74	J	100	8.0	ug/L	100		8260B	Total/NA
Carbon disulfide	34	J	200	24	ug/L	100		8260B	Total/NA
Chlorobenzene	51	J	100	12	ug/L	100		8260B	Total/NA
1,1-Dichloroethane	190		100	11	ug/L	100		8260B	Total/NA
trans-1,2-Dichloroethene	220		100	9.0	ug/L	100		8260B	Total/NA
Ethylbenzene	160		100	11	ug/L	100		8260B	Total/NA
Methylene Chloride	30	J B	500	15	ug/L	100		8260B	Total/NA
Toluene	26	J	100	15	ug/L	100		8260B	Total/NA
cis-1,2-Dichloroethene	14	J	100	6.0	ug/L	100		8260B	Total/NA
1,2-Dichloroethene, Total	230		100	30	ug/L	100		8260B	Total/NA
Vinyl chloride - DL	9300		1000	55	ug/L	500		8260B	Total/NA

Client Sample ID: MW-4-LF-1 — Lab Sample ID: 600-43447-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	1200		100	12	ug/L	100		8260B	Total/NA
Ethylbenzene	820		100	11	ug/L	100		8260B	Total/NA
Methylene Chloride	42	J B	500	15	ug/L	100		8260B	Total/NA
Styrene	17	J	100	7.0	ug/L	100		8260B	Total/NA
Tetrachloroethene	450		100	13	ug/L	100		8260B	Total/NA

Client Sample ID: MW-4-LF-1 (Continued) — Lab Sample ID: 600-43447-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	260		100	15	ug/L	100		8260B	Total/NA
Trichloroethene	2000		100	18	ug/L	100		8260B	Total/NA
o-Xylene	25	J	100	12	ug/L	100		8260B	Total/NA
m-Xylene & p-Xylene	45	J	100	17	ug/L	100		8260B	Total/NA
Xylenes, Total	70	J	100	26	ug/L	100		8260B	Total/NA
Benzene - DL	4400		1000	80	ug/L	1000		8260B	Total/NA
1,1-Dichloroethane - DL	5400		1000	110	ug/L	1000		8260B	Total/NA
1,1-Dichloroethene - DL	12000		1000	190	ug/L	1000		8260B	Total/NA
trans-1,2-Dichloroethene - DL	9800		1000	90	ug/L	1000		8260B	Total/NA
cis-1,2-Dichloroethene - DL	5100		1000	60	ug/L	1000		8260B	Total/NA
1,2-Dichloroethene, Total - DL	15000		1000	300	ug/L	1000		8260B	Total/NA
1,2-Dichloroethane - DL2	95000		20000	2800	ug/L	20000		8260B	Total/NA
Vinyl chloride - DL2	510000		40000	2200	ug/L	20000		8260B	Total/NA

Client Sample ID: MW-65-LF-1 — Lab Sample ID: 600-43447-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	4200		200	16	ug/L	200		8260B	Total/NA
Chlorobenzene	1700		200	24	ug/L	200		8260B	Total/NA
Chloroform	97	J	200	26	ug/L	200		8260B	Total/NA
1,1-Dichloroethane	3900		200	22	ug/L	200		8260B	Total/NA
1,2-Dichloroethane	990		200	28	ug/L	200		8260B	Total/NA
1,1-Dichloroethene	3200		200	38	ug/L	200		8260B	Total/NA
trans-1,2-Dichloroethene	7100		200	18	ug/L	200		8260B	Total/NA
Ethylbenzene	1300		200	22	ug/L	200		8260B	Total/NA
Methylene Chloride	83	J B	1000	30	ug/L	200		8260B	Total/NA
Styrene	72	J	200	14	ug/L	200		8260B	Total/NA
Tetrachloroethene	270		200	26	ug/L	200		8260B	Total/NA
Toluene	340		200	30	ug/L	200		8260B	Total/NA
1,1,2-Trichloroethane	260		200	56	ug/L	200		8260B	Total/NA
Trichloroethene	830		200	36	ug/L	200		8260B	Total/NA
o-Xylene	42	J	200	24	ug/L	200		8260B	Total/NA
m-Xylene & p-Xylene	53	J	200	34	ug/L	200		8260B	Total/NA
Xylenes, Total	95	J	200	52	ug/L	200		8260B	Total/NA
cis-1,2-Dichloroethene	1500		200	12	ug/L	200		8260B	Total/NA
1,2-Dichloroethene, Total	8600		200	60	ug/L	200		8260B	Total/NA
Vinyl chloride - DL	440000		40000	2200	ug/L	20000		8260B	Total/NA

Client Sample ID: DUP-1 — Lab Sample ID: 600-43447-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1500	*	1000	200	ug/L	200		8260B	Total/NA
Benzene	6900		200	16	ug/L	200		8260B	Total/NA
Chlorobenzene	2200		200	24	ug/L	200		8260B	Total/NA
Chloroform	67	J	200	26	ug/L	200		8260B	Total/NA
1,1-Dichloroethane	2900		200	22	ug/L	200		8260B	Total/NA
1,1-Dichloroethene	2800		200	38	ug/L	200		8260B	Total/NA
trans-1,2-Dichloroethene	2800		200	18	ug/L	200		8260B	Total/NA
Ethylbenzene	4600		200	22	ug/L	200		8260B	Total/NA
Methylene Chloride	350	J B	1000	30	ug/L	200		8260B	Total/NA
Styrene	1900		200	14	ug/L	200		8260B	Total/NA
1,1,2,2-Tetrachloroethane	370		200	44	ug/L	200		8260B	Total/NA
Tetrachloroethene	210		200	26	ug/L	200		8260B	Total/NA
Toluene	2800		200	30	ug/L	200		8260B	Total/NA

Client Sample ID: DUP-1 (Continued) — Lab Sample ID: 600-43447-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	1200		200	36	ug/L	200		8260B	Total/NA
m-Xylene & p-Xylene	83	J	200	34	ug/L	200		8260B	Total/NA
Xylenes, Total	83	J	200	52	ug/L	200		8260B	Total/NA
cis-1,2-Dichloroethene	1300		200	12	ug/L	200		8260B	Total/NA
1,2-Dichloroethene, Total	4100		200	60	ug/L	200		8260B	Total/NA
1,2-Dichloroethane - DL	170000		10000	1400	ug/L	10000		8260B	Total/NA
1,1,2-Trichloroethane - DL	120000		10000	2800	ug/L	10000		8260B	Total/NA
Vinyl chloride - DL	180000		20000	1100	ug/L	10000		8260B	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 600-43447-10

No Detections

Client Sample ID: MW-71-PRE-SLAB — Lab Sample ID: 600-43447-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	10	J	40	4.8	ug/L	20		8260B	Total/NA
Chlorobenzene	180		20	2.4	ug/L	20		8260B	Total/NA
1,1-Dichloroethane	660		20	2.2	ug/L	20		8260B	Total/NA
Ethylbenzene	340		20	2.2	ug/L	20		8260B	Total/NA
Methylene Chloride	11	J B	100	3.0	ug/L	20		8260B	Total/NA
Styrene	1.8	J	20	1.4	ug/L	20		8260B	Total/NA
Toluene	67		20	3.0	ug/L	20		8260B	Total/NA
Vinyl chloride	130		40	2.2	ug/L	20		8260B	Total/NA
o-Xylene	6.4	J	20	2.4	ug/L	20		8260B	Total/NA
m-Xylene & p-Xylene	14	J	20	3.4	ug/L	20		8260B	Total/NA
Xylenes, Total	20		20	5.2	ug/L	20		8260B	Total/NA
Benzene - DL	1600		100	8.0	ug/L	100		8260B	Total/NA

Client Sample ID: MW-8-PRE-SLAB — Lab Sample ID: 600-43447-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	890		100	8.0	ug/L	100		8260B	Total/NA
2-Butanone (MEK)	1900		200	76	ug/L	100		8260B	Total/NA
Carbon disulfide	31	J	200	24	ug/L	100		8260B	Total/NA
Chlorobenzene	160		100	12	ug/L	100		8260B	Total/NA
1,1-Dichloroethane	390		100	11	ug/L	100		8260B	Total/NA
1,2-Dichloroethane	140		100	14	ug/L	100		8260B	Total/NA
1,1-Dichloroethene	120		100	19	ug/L	100		8260B	Total/NA
trans-1,2-Dichloroethene	280		100	9.0	ug/L	100		8260B	Total/NA
Ethylbenzene	400		100	11	ug/L	100		8260B	Total/NA
Toluene	95	J	100	15	ug/L	100		8260B	Total/NA
Trichloroethene	24	J	100	18	ug/L	100		8260B	Total/NA
o-Xylene	13	J	100	12	ug/L	100		8260B	Total/NA
m-Xylene & p-Xylene	27	J	100	17	ug/L	100		8260B	Total/NA
Xylenes, Total	40	J	100	26	ug/L	100		8260B	Total/NA
cis-1,2-Dichloroethene	61	J	100	6.0	ug/L	100		8260B	Total/NA
1,2-Dichloroethene, Total	340		100	30	ug/L	100		8260B	Total/NA
Vinyl chloride - DL	6700		1000	55	ug/L	500		8260B	Total/NA

Client Sample ID: MW-11-PRE-SLAB — Lab Sample ID: 600-43447-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	140	J	200	16	ug/L	200		8260B	Total/NA

Client Sample ID: MW-11-PRE-SLAB (Continued) — Lab Sample ID: 600-43447-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	320		200	24	ug/L	200		8260B	Total/NA
1,1-Dichloroethane	1200		200	22	ug/L	200		8260B	Total/NA
1,2-Dichloroethane	4400		200	28	ug/L	200		8260B	Total/NA
1,1-Dichloroethene	810		200	38	ug/L	200		8260B	Total/NA
trans-1,2-Dichloroethene	2000		200	18	ug/L	200		8260B	Total/NA
Ethylbenzene	34	J	200	22	ug/L	200		8260B	Total/NA
Methylene Chloride	79	J B	1000	30	ug/L	200		8260B	Total/NA
1,1,2-Trichloroethane	110	J	200	56	ug/L	200		8260B	Total/NA
Trichloroethene	810		200	36	ug/L	200		8260B	Total/NA
cis-1,2-Dichloroethene	3900		200	12	ug/L	200		8260B	Total/NA
1,2-Dichloroethene, Total	5900		200	60	ug/L	200		8260B	Total/NA
Vinyl chloride - DL	40000		40000	2200	ug/L	20000		8260B	Total/NA

Client Sample ID: MW-40-PRE-SLAB — Lab Sample ID: 600-43447-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	160		100	8.0	ug/L	100		8260B	Total/NA
Carbon disulfide	32	J	200	24	ug/L	100		8260B	Total/NA
Chlorobenzene	500		100	12	ug/L	100		8260B	Total/NA
1,1-Dichloroethane	750		100	11	ug/L	100		8260B	Total/NA
trans-1,2-Dichloroethene	23	J	100	9.0	ug/L	100		8260B	Total/NA
Ethylbenzene	130		100	11	ug/L	100		8260B	Total/NA
Toluene	35	J	100	15	ug/L	100		8260B	Total/NA
cis-1,2-Dichloroethene	14	J	100	6.0	ug/L	100		8260B	Total/NA
1,2-Dichloroethene, Total	37	J	100	30	ug/L	100		8260B	Total/NA
Vinyl chloride - DL	8200		1000	55	ug/L	500		8260B	Total/NA

Client Sample ID: MW-66-PRE-SLAB — Lab Sample ID: 600-43447-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1900	*	1000	200	ug/L	200		8260B	Total/NA
Benzene	6900		200	16	ug/L	200		8260B	Total/NA
Chlorobenzene	2300		200	24	ug/L	200		8260B	Total/NA
Chloroform	58	J	200	26	ug/L	200		8260B	Total/NA
1,1-Dichloroethane	2700		200	22	ug/L	200		8260B	Total/NA
1,1-Dichloroethene	2600		200	38	ug/L	200		8260B	Total/NA
trans-1,2-Dichloroethene	2500		200	18	ug/L	200		8260B	Total/NA
Ethylbenzene	4600		200	22	ug/L	200		8260B	Total/NA
Methylene Chloride	240	J B	1000	30	ug/L	200		8260B	Total/NA
Styrene	2000		200	14	ug/L	200		8260B	Total/NA
1,1,2,2-Tetrachloroethane	380		200	44	ug/L	200		8260B	Total/NA
Tetrachloroethene	230		200	26	ug/L	200		8260B	Total/NA
Toluene	3000		200	30	ug/L	200		8260B	Total/NA
Trichloroethene	1200		200	36	ug/L	200		8260B	Total/NA
o-Xylene	44	J	200	24	ug/L	200		8260B	Total/NA
m-Xylene & p-Xylene	50	J	200	34	ug/L	200		8260B	Total/NA
Xylenes, Total	94	J	200	52	ug/L	200		8260B	Total/NA
cis-1,2-Dichloroethene	1200		200	12	ug/L	200		8260B	Total/NA
1,2-Dichloroethene, Total	3700		200	60	ug/L	200		8260B	Total/NA
1,2-Dichloroethane - DL	120000		10000	1400	ug/L	10000		8260B	Total/NA
1,1,2-Trichloroethane - DL	110000		10000	2800	ug/L	10000		8260B	Total/NA
Vinyl chloride - DL	150000		20000	1100	ug/L	10000		8260B	Total/NA

Detection Summary

Client: Groundwater Services, Inc.
Project/Site: N-80

TestAmerica Job ID: 600-43447-1

Client Sample ID: MW-68-PRE-SLAB — Lab Sample ID: 600-43447-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	71	J	100	8.0	ug/L	100		8260B	Total/NA
Chlorobenzene	57	J	100	12	ug/L	100		8260B	Total/NA
1,1-Dichloroethane	200		100	11	ug/L	100		8260B	Total/NA
trans-1,2-Dichloroethene	230		100	9.0	ug/L	100		8260B	Total/NA
Ethylbenzene	170		100	11	ug/L	100		8260B	Total/NA
Methylene Chloride	43	J B	500	15	ug/L	100		8260B	Total/NA
Toluene	27	J	100	15	ug/L	100		8260B	Total/NA
cis-1,2-Dichloroethene	11	J	100	6.0	ug/L	100		8260B	Total/NA
1,2-Dichloroethene, Total	240		100	30	ug/L	100		8260B	Total/NA
Vinyl chloride - DL	8400		1000	55	ug/L	500		8260B	Total/NA

Client Sample ID: MW-4-PRE-SLAB — Lab Sample ID: 600-43447-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	840	J *	1000	200	ug/L	200		8260B	Total/NA
Benzene	4700		200	16	ug/L	200		8260B	Total/NA
Chlorobenzene	1200		200	24	ug/L	200		8260B	Total/NA
1,1-Dichloroethane	5700		200	22	ug/L	200		8260B	Total/NA
Ethylbenzene	760		200	22	ug/L	200		8260B	Total/NA
Methylene Chloride	94	J B	1000	30	ug/L	200		8260B	Total/NA
Styrene	32	J	200	14	ug/L	200		8260B	Total/NA
Tetrachloroethene	420		200	26	ug/L	200		8260B	Total/NA
Toluene	270		200	30	ug/L	200		8260B	Total/NA
1,1,2-Trichloroethane	330		200	56	ug/L	200		8260B	Total/NA
Trichloroethene	1700		200	36	ug/L	200		8260B	Total/NA
o-Xylene	31	J	200	24	ug/L	200		8260B	Total/NA
m-Xylene & p-Xylene	52	J	200	34	ug/L	200		8260B	Total/NA
Xylenes, Total	83	J	200	52	ug/L	200		8260B	Total/NA
1,2-Dichloroethane - DL	83000		2000	280	ug/L	2000		8260B	Total/NA
1,1-Dichloroethene - DL	11000		2000	380	ug/L	2000		8260B	Total/NA
trans-1,2-Dichloroethene - DL	8900		2000	180	ug/L	2000		8260B	Total/NA
cis-1,2-Dichloroethene - DL	4600		2000	120	ug/L	2000		8260B	Total/NA
1,2-Dichloroethene, Total - DL	14000		2000	600	ug/L	2000		8260B	Total/NA
Vinyl chloride - DL2	460000		40000	2200	ug/L	20000		8260B	Total/NA

Client Sample ID: MW-65-PRE-SLAB — Lab Sample ID: 600-43447-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	4100		200	16	ug/L	200		8260B	Total/NA
Chlorobenzene	1700		200	24	ug/L	200		8260B	Total/NA
Chloroform	120	J	200	26	ug/L	200		8260B	Total/NA
1,1-Dichloroethane	3700		200	22	ug/L	200		8260B	Total/NA
1,2-Dichloroethane	1100		200	28	ug/L	200		8260B	Total/NA
1,1-Dichloroethene	4500		200	38	ug/L	200		8260B	Total/NA
trans-1,2-Dichloroethene	6900		200	18	ug/L	200		8260B	Total/NA
Ethylbenzene	1400		200	22	ug/L	200		8260B	Total/NA
Methylene Chloride	130	J B	1000	30	ug/L	200		8260B	Total/NA
Styrene	54	J	200	14	ug/L	200		8260B	Total/NA
Tetrachloroethene	390		200	26	ug/L	200		8260B	Total/NA
Toluene	360		200	30	ug/L	200		8260B	Total/NA
Trichloroethene	1200		200	36	ug/L	200		8260B	Total/NA
o-Xylene	51	J	200	24	ug/L	200		8260B	Total/NA
m-Xylene & p-Xylene	85	J	200	34	ug/L	200		8260B	Total/NA
Xylenes, Total	140	J	200	52	ug/L	200		8260B	Total/NA

Detection Summary

Client: Groundwater Services, Inc.
Project/Site: N-80

TestAmerica Job ID: 600-43447-1

Client Sample ID: MW-65-PRE-SLAB (Continued)

Lab Sample ID: 600-43447-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2100		200	12	ug/L	200		8260B	Total/NA
1,2-Dichloroethene, Total	9000		200	60	ug/L	200		8260B	Total/NA
Vinyl chloride - DL	350000		20000	1100	ug/L	10000		8260B	Total/NA

Client Sample Results

Client: Groundwater Services, Inc.
Project/Site: N-80

TestAmerica Job ID: 600-43447-1

Client Sample ID: MW-71-LF-1

Date Collected: 09/15/11 10:20
Date Received: 09/16/11 11:24

Lab Sample ID: 600-43447-1

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	99	U *	500	99	ug/L			09/19/11 18:33	100
Benzene	**1600**		100	8.0	ug/L			09/19/11 18:33	100
Chlorobromomethane	18	U	100	18	ug/L			09/19/11 18:33	100
Bromoform	19	U	100	19	ug/L			09/19/11 18:33	100
Bromomethane	25	U	200	25	ug/L			09/19/11 18:33	100
2-Butanone (MEK)	76	U	200	76	ug/L			09/19/11 18:33	100
Carbon disulfide	24	U	200	24	ug/L			09/19/11 18:33	100
Carbon tetrachloride	15	U	100	15	ug/L			09/19/11 18:33	100
Dibromochloromethane	15	U	100	15	ug/L			09/19/11 18:33	100
Chlorobenzene	**150**		100	12	ug/L			09/19/11 18:33	100
Chloroethane	8.0	U	200	8.0	ug/L			09/19/11 18:33	100
Chloroform	13	U	100	13	ug/L			09/19/11 18:33	100
Chloromethane	18	U *	200	18	ug/L			09/19/11 18:33	100
1,1-Dichloroethane	**610**		100	11	ug/L			09/19/11 18:33	100
1,2-Dichloroethane	14	U	100	14	ug/L			09/19/11 18:33	100
1,1-Dichloroethene	19	U	100	19	ug/L			09/19/11 18:33	100
trans-1,2-Dichloroethene	9.0	U	100	9.0	ug/L			09/19/11 18:33	100
1,2-Dichloropropane	16	U	100	16	ug/L			09/19/11 18:33	100
cis-1,3-Dichloropropene	18	U	100	18	ug/L			09/19/11 18:33	100
trans-1,3-Dichloropropene	21	U	100	21	ug/L			09/19/11 18:33	100
Ethylbenzene	**280**		100	11	ug/L			09/19/11 18:33	100
2-Hexanone	35	U	200	35	ug/L			09/19/11 18:33	100
Methylene Chloride	15	U	500	15	ug/L			09/19/11 18:33	100
4-Methyl-2-pentanone (MIBK)	45	U	200	45	ug/L			09/19/11 18:33	100
Styrene	7.0	U	100	7.0	ug/L			09/19/11 18:33	100
1,1,2,2-Tetrachloroethane	22	U	100	22	ug/L			09/19/11 18:33	100
Tetrachloroethene	13	U	100	13	ug/L			09/19/11 18:33	100
Toluene	**56**	**J**	100	15	ug/L			09/19/11 18:33	100
1,1,1-Trichloroethane	15	U	100	15	ug/L			09/19/11 18:33	100
1,1,2-Trichloroethane	28	U	100	28	ug/L			09/19/11 18:33	100
Trichloroethene	18	U	100	18	ug/L			09/19/11 18:33	100
Vinyl acetate	21	U	200	21	ug/L			09/19/11 18:33	100
Vinyl chloride	**230**		200	11	ug/L			09/19/11 18:33	100
o-Xylene	12	U	100	12	ug/L			09/19/11 18:33	100
m-Xylene & p-Xylene	**18**	**J**	100	17	ug/L			09/19/11 18:33	100
Xylenes, Total	26	U	100	26	ug/L			09/19/11 18:33	100
cis-1,2-Dichloroethene	6.0	U	100	6.0	ug/L			09/19/11 18:33	100
Bromodichloromethane	16	U	100	16	ug/L			09/19/11 18:33	100
1,2-Dichloroethene, Total	30	U	100	30	ug/L			09/19/11 18:33	100

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*70 - 130*		*09/19/11 18:33*	*100*
Dibromofluoromethane	*100*		*62 - 130*		*09/19/11 18:33*	*100*
4-Bromofluorobenzene	*96*		*67 - 139*		*09/19/11 18:33*	*100*
1,2-Dichloroethane-d4 (Surr)	*93*		*50 - 134*		*09/19/11 18:33*	*100*

Client Sample Results

Client: Groundwater Services, Inc.
Project/Site: N-80

TestAmerica Job ID: 600-43447-1

Client Sample ID: MW-8-LF-1

Date Collected: 09/15/11 11:31
Date Received: 09/16/11 11:24

Lab Sample ID: 600-43447-2

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	99	U *	500	99	ug/L			09/19/11 18:58	100
Benzene	**1300**		100	8.0	ug/L			09/19/11 18:58	100
Chlorobromomethane	18	U	100	18	ug/L			09/19/11 18:58	100
Bromoform	19	U	100	19	ug/L			09/19/11 18:58	100
Bromomethane	25	U	200	25	ug/L			09/19/11 18:58	100
2-Butanone (MEK)	76	U	200	76	ug/L			09/19/11 18:58	100
Carbon disulfide	**29**	**J**	200	24	ug/L			09/19/11 18:58	100
Carbon tetrachloride	15	U	100	15	ug/L			09/19/11 18:58	100
Dibromochloromethane	15	U	100	15	ug/L			09/19/11 18:58	100
Chlorobenzene	**110**		100	12	ug/L			09/19/11 18:58	100
Chloroethane	8.0	U	200	8.0	ug/L			09/19/11 18:58	100
Chloroform	13	U	100	13	ug/L			09/19/11 18:58	100
Chloromethane	18	U *	200	18	ug/L			09/19/11 18:58	100
1,1-Dichloroethane	**350**		100	11	ug/L			09/19/11 18:58	100
1,2-Dichloroethane	14	U	100	14	ug/L			09/19/11 18:58	100
1,1-Dichloroethene	**91**	**J**	100	19	ug/L			09/19/11 18:58	100
trans-1,2-Dichloroethene	**360**		100	9.0	ug/L			09/19/11 18:58	100
1,2-Dichloropropane	16	U	100	16	ug/L			09/19/11 18:58	100
cis-1,3-Dichloropropene	18	U	100	18	ug/L			09/19/11 18:58	100
trans-1,3-Dichloropropene	21	U	100	21	ug/L			09/19/11 18:58	100
Ethylbenzene	**620**		100	11	ug/L			09/19/11 18:58	100
2-Hexanone	35	U	200	35	ug/L			09/19/11 18:58	100
Methylene Chloride	**35**	**J B**	500	15	ug/L			09/19/11 18:58	100
4-Methyl-2-pentanone (MIBK)	45	U	200	45	ug/L			09/19/11 18:58	100
Styrene	7.0	U	100	7.0	ug/L			09/19/11 18:58	100
1,1,2,2-Tetrachloroethane	22	U	100	22	ug/L			09/19/11 18:58	100
Tetrachloroethene	13	U	100	13	ug/L			09/19/11 18:58	100
Toluene	**140**		100	15	ug/L			09/19/11 18:58	100
1,1,1-Trichloroethane	15	U	100	15	ug/L			09/19/11 18:58	100
1,1,2-Trichloroethane	28	U	100	28	ug/L			09/19/11 18:58	100
Trichloroethene	**22**	**J**	100	18	ug/L			09/19/11 18:58	100
Vinyl acetate	21	U	200	21	ug/L			09/19/11 18:58	100
o-Xylene	**13**	**J**	100	12	ug/L			09/19/11 18:58	100
m-Xylene & p-Xylene	**28**	**J**	100	17	ug/L			09/19/11 18:58	100
Xylenes, Total	**41**	**J**	100	26	ug/L			09/19/11 18:58	100
cis-1,2-Dichloroethene	**100**		100	6.0	ug/L			09/19/11 18:58	100
Bromodichloromethane	16	U	100	16	ug/L			09/19/11 18:58	100
1,2-Dichloroethene, Total	**460**		100	30	ug/L			09/19/11 18:58	100

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*105*		*70 - 130*		*09/19/11 18:58*	*100*
Dibromofluoromethane	*98*		*62 - 130*		*09/19/11 18:58*	*100*
4-Bromofluorobenzene	*92*		*67 - 139*		*09/19/11 18:58*	*100*
1,2-Dichloroethane-d4 (Surr)	*98*		*50 - 134*		*09/19/11 18:58*	*100*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**10000**		2000	110	ug/L			09/20/11 16:40	1000

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*70 - 130*		*09/20/11 16:40*	*1000*

Client Sample ID: MW-8-LF-1

Lab Sample ID: 600-43447-2

Date Collected: 09/15/11 11:31
Date Received: 09/16/11 11:24

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*101*		*62 - 130*		*09/20/11 16:40*	*1000*
4-Bromofluorobenzene	*97*		*67 - 139*		*09/20/11 16:40*	*1000*
1,2-Dichloroethane-d4 (Surr)	*99*		*50 - 134*		*09/20/11 16:40*	*1000*

Client Sample ID: MW-11-LF-1

Lab Sample ID: 600-43447-3

Date Collected: 09/15/11 12:10
Date Received: 09/16/11 11:24

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	99	U *	500	99	ug/L			09/19/11 19:24	100
Benzene	**130**		100	8.0	ug/L			09/19/11 19:24	100
Chlorobromomethane	18	U	100	18	ug/L			09/19/11 19:24	100
Bromoform	19	U	100	19	ug/L			09/19/11 19:24	100
Bromomethane	25	U	200	25	ug/L			09/19/11 19:24	100
2-Butanone (MEK)	76	U	200	76	ug/L			09/19/11 19:24	100
Carbon disulfide	24	U	200	24	ug/L			09/19/11 19:24	100
Carbon tetrachloride	15	U	100	15	ug/L			09/19/11 19:24	100
Dibromochloromethane	15	U	100	15	ug/L			09/19/11 19:24	100
Chlorobenzene	**340**		100	12	ug/L			09/19/11 19:24	100
Chloroethane	8.0	U	200	8.0	ug/L			09/19/11 19:24	100
Chloroform	13	U	100	13	ug/L			09/19/11 19:24	100
Chloromethane	18	U *	200	18	ug/L			09/19/11 19:24	100
1,1-Dichloroethane	**1200**		100	11	ug/L			09/19/11 19:24	100
1,2-Dichloroethane	**4500**		100	14	ug/L			09/19/11 19:24	100
1,1-Dichloroethene	**860**		100	19	ug/L			09/19/11 19:24	100
trans-1,2-Dichloroethene	**2100**		100	9.0	ug/L			09/19/11 19:24	100
1,2-Dichloropropane	16	U	100	16	ug/L			09/19/11 19:24	100
cis-1,3-Dichloropropene	18	U	100	18	ug/L			09/19/11 19:24	100
trans-1,3-Dichloropropene	21	U	100	21	ug/L			09/19/11 19:24	100
Ethylbenzene	**27**	**J**	100	11	ug/L			09/19/11 19:24	100
2-Hexanone	35	U	200	35	ug/L			09/19/11 19:24	100
Methylene Chloride	**51**	**J B**	500	15	ug/L			09/19/11 19:24	100
4-Methyl-2-pentanone (MIBK)	45	U	200	45	ug/L			09/19/11 19:24	100
Styrene	7.0	U	100	7.0	ug/L			09/19/11 19:24	100
1,1,2,2-Tetrachloroethane	22	U	100	22	ug/L			09/19/11 19:24	100
Tetrachloroethene	**14**	**J**	100	13	ug/L			09/19/11 19:24	100
Toluene	15	U	100	15	ug/L			09/19/11 19:24	100
1,1,1-Trichloroethane	15	U	100	15	ug/L			09/19/11 19:24	100
1,1,2-Trichloroethane	**52**	**J**	100	28	ug/L			09/19/11 19:24	100
Trichloroethene	**810**		100	18	ug/L			09/19/11 19:24	100
Vinyl acetate	21	U	200	21	ug/L			09/19/11 19:24	100
o-Xylene	12	U	100	12	ug/L			09/19/11 19:24	100
m-Xylene & p-Xylene	17	U	100	17	ug/L			09/19/11 19:24	100
Xylenes, Total	26	U	100	26	ug/L			09/19/11 19:24	100
cis-1,2-Dichloroethene	**4200**		100	6.0	ug/L			09/19/11 19:24	100
Bromodichloromethane	16	U	100	16	ug/L			09/19/11 19:24	100
1,2-Dichloroethene, Total	**6300**		100	30	ug/L			09/19/11 19:24	100

Client Sample ID: MW-11-LF-1

Lab Sample ID: 600-43447-3

Date Collected: 09/15/11 12:10
Date Received: 09/16/11 11:24

Matrix: Water

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	107		70 - 130		09/19/11 19:24	100
Dibromofluoromethane	100		62 - 130		09/19/11 19:24	100
4-Bromofluorobenzene	93		67 - 139		09/19/11 19:24	100
1,2-Dichloroethane-d4 (Surr)	114		50 - 134		09/19/11 19:24	100

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**46000**		10000	550	ug/L			09/20/11 17:06	5000

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	107		70 - 130		09/20/11 17:06	5000
Dibromofluoromethane	98		62 - 130		09/20/11 17:06	5000
4-Bromofluorobenzene	89		67 - 139		09/20/11 17:06	5000
1,2-Dichloroethane-d4 (Surr)	94		50 - 134		09/20/11 17:06	5000

Client Sample ID: MW-40-LF-1

Lab Sample ID: 600-43447-4

Date Collected: 09/15/11 12:46
Date Received: 09/16/11 11:24

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	99	U *	500	99	ug/L			09/19/11 19:50	100
Benzene	**140**		100	8.0	ug/L			09/19/11 19:50	100
Chlorobromomethane	18	U	100	18	ug/L			09/19/11 19:50	100
Bromoform	19	U	100	19	ug/L			09/19/11 19:50	100
Bromomethane	25	U	200	25	ug/L			09/19/11 19:50	100
2-Butanone (MEK)	76	U	200	76	ug/L			09/19/11 19:50	100
Carbon disulfide	24	U	200	24	ug/L			09/19/11 19:50	100
Carbon tetrachloride	15	U	100	15	ug/L			09/19/11 19:50	100
Dibromochloromethane	15	U	100	15	ug/L			09/19/11 19:50	100
Chlorobenzene	**540**		100	12	ug/L			09/19/11 19:50	100
Chloroethane	8.0	U	200	8.0	ug/L			09/19/11 19:50	100
Chloroform	13	U	100	13	ug/L			09/19/11 19:50	100
Chloromethane	18	U *	200	18	ug/L			09/19/11 19:50	100
1,1-Dichloroethane	**690**		100	11	ug/L			09/19/11 19:50	100
1,2-Dichloroethane	14	U	100	14	ug/L			09/19/11 19:50	100
1,1-Dichloroethene	19	U	100	19	ug/L			09/19/11 19:50	100
trans-1,2-Dichloroethene	**28**	**J**	100	9.0	ug/L			09/19/11 19:50	100
1,2-Dichloropropane	16	U	100	16	ug/L			09/19/11 19:50	100
cis-1,3-Dichloropropene	18	U	100	18	ug/L			09/19/11 19:50	100
trans-1,3-Dichloropropene	21	U	100	21	ug/L			09/19/11 19:50	100
Ethylbenzene	**150**		100	11	ug/L			09/19/11 19:50	100
2-Hexanone	35	U	200	35	ug/L			09/19/11 19:50	100
Methylene Chloride	**81**	**J B**	500	15	ug/L			09/19/11 19:50	100
4-Methyl-2-pentanone (MIBK)	45	U	200	45	ug/L			09/19/11 19:50	100
Styrene	7.0	U	100	7.0	ug/L			09/19/11 19:50	100
1,1,2,2-Tetrachloroethane	22	U	100	22	ug/L			09/19/11 19:50	100
Tetrachloroethene	13	U	100	13	ug/L			09/19/11 19:50	100
Toluene	**36**	**J**	100	15	ug/L			09/19/11 19:50	100
1,1,1-Trichloroethane	15	U	100	15	ug/L			09/19/11 19:50	100

Client Sample ID: MW-40-LF-1

Lab Sample ID: 600-43447-4

Date Collected: 09/15/11 12:46
Date Received: 09/16/11 11:24

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	28	U	100	28	ug/L			09/19/11 19:50	100
Trichloroethene	18	U	100	18	ug/L			09/19/11 19:50	100
Vinyl acetate	21	U	200	21	ug/L			09/19/11 19:50	100
o-Xylene	12	U	100	12	ug/L			09/19/11 19:50	100
m-Xylene & p-Xylene	17	U	100	17	ug/L			09/19/11 19:50	100
Xylenes, Total	26	U	100	26	ug/L			09/19/11 19:50	100
cis-1,2-Dichloroethene	**18**	**J**	100	6.0	ug/L			09/19/11 19:50	100
Bromodichloromethane	16	U	100	16	ug/L			09/19/11 19:50	100
1,2-Dichloroethene, Total	**46**	**J**	100	30	ug/L			09/19/11 19:50	100

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*106*		*70 - 130*		*09/19/11 19:50*	*100*
Dibromofluoromethane	*98*		*62 - 130*		*09/19/11 19:50*	*100*
4-Bromofluorobenzene	*93*		*67 - 139*		*09/19/11 19:50*	*100*
1,2-Dichloroethane-d4 (Surr)	*94*		*50 - 134*		*09/19/11 19:50*	*100*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**6200**		500	28	ug/L			09/20/11 14:31	250

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*70 - 130*		*09/20/11 14:31*	*250*
Dibromofluoromethane	*101*		*62 - 130*		*09/20/11 14:31*	*250*
4-Bromofluorobenzene	*94*		*67 - 139*		*09/20/11 14:31*	*250*
1,2-Dichloroethane-d4 (Surr)	*97*		*50 - 134*		*09/20/11 14:31*	*250*

Client Sample ID: MW-66-LF-1

Lab Sample ID: 600-43447-5

Date Collected: 09/15/11 14:40
Date Received: 09/16/11 11:24

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**1700**	*	1000	200	ug/L			09/19/11 22:24	200
Benzene	**7100**		200	16	ug/L			09/19/11 22:24	200
Chlorobromomethane	36	U	200	36	ug/L			09/19/11 22:24	200
Bromoform	38	U	200	38	ug/L			09/19/11 22:24	200
Bromomethane	50	U	400	50	ug/L			09/19/11 22:24	200
2-Butanone (MEK)	150	U	400	150	ug/L			09/19/11 22:24	200
Carbon disulfide	48	U	400	48	ug/L			09/19/11 22:24	200
Carbon tetrachloride	30	U	200	30	ug/L			09/19/11 22:24	200
Dibromochloromethane	30	U	200	30	ug/L			09/19/11 22:24	200
Chlorobenzene	**2200**		200	24	ug/L			09/19/11 22:24	200
Chloroethane	16	U	400	16	ug/L			09/19/11 22:24	200
Chloroform	**57**	**J**	200	26	ug/L			09/19/11 22:24	200
Chloromethane	36	U *	400	36	ug/L			09/19/11 22:24	200
1,1-Dichloroethane	**2900**		200	22	ug/L			09/19/11 22:24	200
1,1-Dichloroethene	**3000**		200	38	ug/L			09/19/11 22:24	200
trans-1,2-Dichloroethene	**2900**		200	18	ug/L			09/19/11 22:24	200
1,2-Dichloropropane	32	U	200	32	ug/L			09/19/11 22:24	200
cis-1,3-Dichloropropene	36	U	200	36	ug/L			09/19/11 22:24	200

Client Sample ID: MW-66-LF-1

Lab Sample ID: 600-43447-5

Date Collected: 09/15/11 14:40

Matrix: Water

Date Received: 09/16/11 11:24

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	42	U	200	42	ug/L			09/19/11 22:24	200
Ethylbenzene	**4800**		200	22	ug/L			09/19/11 22:24	200
2-Hexanone	70	U	400	70	ug/L			09/19/11 22:24	200
Methylene Chloride	**390**	**J B**	1000	30	ug/L			09/19/11 22:24	200
4-Methyl-2-pentanone (MIBK)	90	U	400	90	ug/L			09/19/11 22:24	200
Styrene	**2000**		200	14	ug/L			09/19/11 22:24	200
1,1,2,2-Tetrachloroethane	44	U	200	44	ug/L			09/19/11 22:24	200
Tetrachloroethene	**250**		200	26	ug/L			09/19/11 22:24	200
Toluene	**2900**		200	30	ug/L			09/19/11 22:24	200
1,1,1-Trichloroethane	30	U	200	30	ug/L			09/19/11 22:24	200
Trichloroethene	**1200**		200	36	ug/L			09/19/11 22:24	200
Vinyl acetate	42	U	400	42	ug/L			09/19/11 22:24	200
o-Xylene	**24**	**J**	200	24	ug/L			09/19/11 22:24	200
m-Xylene & p-Xylene	**80**	**J**	200	34	ug/L			09/19/11 22:24	200
Xylenes, Total	**100**	**J**	200	52	ug/L			09/19/11 22:24	200
cis-1,2-Dichloroethene	**1300**		200	12	ug/L			09/19/11 22:24	200
Bromodichloromethane	32	U	200	32	ug/L			09/19/11 22:24	200
1,2-Dichloroethene, Total	**4200**		200	60	ug/L			09/19/11 22:24	200

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*105*		*70 - 130*		*09/19/11 22:24*	*200*
Dibromofluoromethane	*100*		*62 - 130*		*09/19/11 22:24*	*200*
4-Bromofluorobenzene	*91*		*67 - 139*		*09/19/11 22:24*	*200*
1,2-Dichloroethane-d4 (Surr)	*405*	*E X*	*50 - 134*		*09/19/11 22:24*	*200*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	**150000**		10000	1400	ug/L			09/20/11 17:31	10000
1,1,2-Trichloroethane	**110000**		10000	2800	ug/L			09/20/11 17:31	10000
Vinyl chloride	**160000**		20000	1100	ug/L			09/20/11 17:31	10000

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*70 - 130*		*09/20/11 17:31*	*10000*
Dibromofluoromethane	*100*		*62 - 130*		*09/20/11 17:31*	*10000*
4-Bromofluorobenzene	*94*		*67 - 139*		*09/20/11 17:31*	*10000*
1,2-Dichloroethane-d4 (Surr)	*102*		*50 - 134*		*09/20/11 17:31*	*10000*

Client Sample ID: MW-68-LF-1

Lab Sample ID: 600-43447-6

Date Collected: 09/15/11 15:18

Matrix: Water

Date Received: 09/16/11 11:24

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	99	U *	500	99	ug/L			09/19/11 20:16	100
Benzene	**74**	**J**	100	8.0	ug/L			09/19/11 20:16	100
Chlorobromomethane	18	U	100	18	ug/L			09/19/11 20:16	100
Bromoform	19	U	100	19	ug/L			09/19/11 20:16	100
Bromomethane	25	U	200	25	ug/L			09/19/11 20:16	100
2-Butanone (MEK)	76	U	200	76	ug/L			09/19/11 20:16	100
Carbon disulfide	**34**	**J**	200	24	ug/L			09/19/11 20:16	100

Client Sample ID: MW-68-LF-1

Date Collected: 09/15/11 15:18
Date Received: 09/16/11 11:24

Lab Sample ID: 600-43447-6

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	15	U	100	15	ug/L			09/19/11 20:16	100
Dibromochloromethane	15	U	100	15	ug/L			09/19/11 20:16	100
Chlorobenzene	**51**	**J**	100	12	ug/L			09/19/11 20:16	100
Chloroethane	8.0	U	200	8.0	ug/L			09/19/11 20:16	100
Chloroform	13	U	100	13	ug/L			09/19/11 20:16	100
Chloromethane	18	U *	200	18	ug/L			09/19/11 20:16	100
1,1-Dichloroethane	**190**		100	11	ug/L			09/19/11 20:16	100
1,2-Dichloroethane	14	U	100	14	ug/L			09/19/11 20:16	100
1,1-Dichloroethene	19	U	100	19	ug/L			09/19/11 20:16	100
trans-1,2-Dichloroethene	**220**		100	9.0	ug/L			09/19/11 20:16	100
1,2-Dichloropropane	16	U	100	16	ug/L			09/19/11 20:16	100
cis-1,3-Dichloropropene	18	U	100	18	ug/L			09/19/11 20:16	100
trans-1,3-Dichloropropene	21	U	100	21	ug/L			09/19/11 20:16	100
Ethylbenzene	**160**		100	11	ug/L			09/19/11 20:16	100
2-Hexanone	35	U	200	35	ug/L			09/19/11 20:16	100
Methylene Chloride	**30**	**J B**	500	15	ug/L			09/19/11 20:16	100
4-Methyl-2-pentanone (MIBK)	45	U	200	45	ug/L			09/19/11 20:16	100
Styrene	7.0	U	100	7.0	ug/L			09/19/11 20:16	100
1,1,2,2-Tetrachloroethane	22	U	100	22	ug/L			09/19/11 20:16	100
Tetrachloroethene	13	U	100	13	ug/L			09/19/11 20:16	100
Toluene	**26**	**J**	100	15	ug/L			09/19/11 20:16	100
1,1,1-Trichloroethane	15	U	100	15	ug/L			09/19/11 20:16	100
1,1,2-Trichloroethane	28	U	100	28	ug/L			09/19/11 20:16	100
Trichloroethene	18	U	100	18	ug/L			09/19/11 20:16	100
Vinyl acetate	21	U	200	21	ug/L			09/19/11 20:16	100
o-Xylene	12	U	100	12	ug/L			09/19/11 20:16	100
m-Xylene & p-Xylene	17	U	100	17	ug/L			09/19/11 20:16	100
Xylenes, Total	26	U	100	26	ug/L			09/19/11 20:16	100
cis-1,2-Dichloroethene	**14**	**J**	100	6.0	ug/L			09/19/11 20:16	100
Bromodichloromethane	16	U	100	16	ug/L			09/19/11 20:16	100
1,2-Dichloroethene, Total	**230**		100	30	ug/L			09/19/11 20:16	100

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*70 - 130*		*09/19/11 20:16*	*100*
Dibromofluoromethane	*99*		*62 - 130*		*09/19/11 20:16*	*100*
4-Bromofluorobenzene	*95*		*67 - 139*		*09/19/11 20:16*	*100*
1,2-Dichloroethane-d4 (Surr)	*96*		*50 - 134*		*09/19/11 20:16*	*100*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**9300**		1000	55	ug/L			09/20/11 14:57	500

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*70 - 130*		*09/20/11 14:57*	*500*
Dibromofluoromethane	*102*		*62 - 130*		*09/20/11 14:57*	*500*
4-Bromofluorobenzene	*99*		*67 - 139*		*09/20/11 14:57*	*500*
1,2-Dichloroethane-d4 (Surr)	*99*		*50 - 134*		*09/20/11 14:57*	*500*

Client Sample Results

Client: Groundwater Services, Inc.
Project/Site: N-80

TestAmerica Job ID: 600-43447-1

Client Sample ID: MW-4-LF-1

Date Collected: 09/15/11 15:55
Date Received: 09/16/11 11:24

Lab Sample ID: 600-43447-7

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	99	U *	500	99	ug/L			09/19/11 20:41	100
Chlorobromomethane	18	U	100	18	ug/L			09/19/11 20:41	100
Bromoform	19	U	100	19	ug/L			09/19/11 20:41	100
Bromomethane	25	U	200	25	ug/L			09/19/11 20:41	100
2-Butanone (MEK)	76	U	200	76	ug/L			09/19/11 20:41	100
Carbon disulfide	24	U	200	24	ug/L			09/19/11 20:41	100
Carbon tetrachloride	15	U	100	15	ug/L			09/19/11 20:41	100
Dibromochloromethane	15	U	100	15	ug/L			09/19/11 20:41	100
Chlorobenzene	**1200**		100	12	ug/L			09/19/11 20:41	100
Chloroethane	8.0	U	200	8.0	ug/L			09/19/11 20:41	100
Chloroform	13	U	100	13	ug/L			09/19/11 20:41	100
Chloromethane	18	U *	200	18	ug/L			09/19/11 20:41	100
1,2-Dichloropropane	16	U	100	16	ug/L			09/19/11 20:41	100
cis-1,3-Dichloropropene	18	U	100	18	ug/L			09/19/11 20:41	100
trans-1,3-Dichloropropene	21	U	100	21	ug/L			09/19/11 20:41	100
Ethylbenzene	**820**		100	11	ug/L			09/19/11 20:41	100
2-Hexanone	35	U	200	35	ug/L			09/19/11 20:41	100
Methylene Chloride	**42**	**J B**	500	15	ug/L			09/19/11 20:41	100
4-Methyl-2-pentanone (MIBK)	45	U	200	45	ug/L			09/19/11 20:41	100
Styrene	**17**	**J**	100	7.0	ug/L			09/19/11 20:41	100
1,1,2,2-Tetrachloroethane	22	U	100	22	ug/L			09/19/11 20:41	100
Tetrachloroethene	**450**		100	13	ug/L			09/19/11 20:41	100
Toluene	**260**		100	15	ug/L			09/19/11 20:41	100
1,1,1-Trichloroethane	15	U	100	15	ug/L			09/19/11 20:41	100
1,1,2-Trichloroethane	28	U	100	28	ug/L			09/19/11 20:41	100
Trichloroethene	**2000**		100	18	ug/L			09/19/11 20:41	100
Vinyl acetate	21	U	200	21	ug/L			09/19/11 20:41	100
o-Xylene	**25**	**J**	100	12	ug/L			09/19/11 20:41	100
m-Xylene & p-Xylene	**45**	**J**	100	17	ug/L			09/19/11 20:41	100
Xylenes, Total	**70**	**J**	100	26	ug/L			09/19/11 20:41	100
Bromodichloromethane	16	U	100	16	ug/L			09/19/11 20:41	100

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*70 - 130*		*09/19/11 20:41*	*100*
Dibromofluoromethane	*101*		*62 - 130*		*09/19/11 20:41*	*100*
4-Bromofluorobenzene	*92*		*67 - 139*		*09/19/11 20:41*	*100*
1,2-Dichloroethane-d4 (Surr)	*443*	*E X*	*50 - 134*		*09/19/11 20:41*	*100*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**4400**		1000	80	ug/L			09/20/11 20:06	1000
1,1-Dichloroethane	**5400**		1000	110	ug/L			09/20/11 20:06	1000
1,1-Dichloroethene	**12000**		1000	190	ug/L			09/20/11 20:06	1000
trans-1,2-Dichloroethene	**9800**		1000	90	ug/L			09/20/11 20:06	1000
cis-1,2-Dichloroethene	**5100**		1000	60	ug/L			09/20/11 20:06	1000
1,2-Dichloroethene, Total	**15000**		1000	300	ug/L			09/20/11 20:06	1000

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*70 - 130*		*09/20/11 20:06*	*1000*
Dibromofluoromethane	*99*		*62 - 130*		*09/20/11 20:06*	*1000*
4-Bromofluorobenzene	*92*		*67 - 139*		*09/20/11 20:06*	*1000*

Client Sample ID: MW-4-LF-1

Lab Sample ID: 600-43447-7

Date Collected: 09/15/11 15:55

Matrix: Water

Date Received: 09/16/11 11:24

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	135	X	50 - 134		09/20/11 20:06	1000

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	95000		20000	2800	ug/L			09/20/11 20:31	20000
Vinyl chloride	510000		40000	2200	ug/L			09/20/11 20:31	20000

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	108		70 - 130		09/20/11 20:31	20000
Dibromofluoromethane	102		62 - 130		09/20/11 20:31	20000
4-Bromofluorobenzene	99		67 - 139		09/20/11 20:31	20000
1,2-Dichloroethane-d4 (Surr)	102		50 - 134		09/20/11 20:31	20000

Client Sample ID: MW-65-LF-1

Lab Sample ID: 600-43447-8

Date Collected: 09/15/11 16:30

Matrix: Water

Date Received: 09/16/11 11:24

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	200	U *	1000	200	ug/L			09/19/11 22:50	200
Benzene	4200		200	16	ug/L			09/19/11 22:50	200
Chlorobromomethane	36	U	200	36	ug/L			09/19/11 22:50	200
Bromoform	38	U	200	38	ug/L			09/19/11 22:50	200
Bromomethane	50	U	400	50	ug/L			09/19/11 22:50	200
2-Butanone (MEK)	150	U	400	150	ug/L			09/19/11 22:50	200
Carbon disulfide	48	U	400	48	ug/L			09/19/11 22:50	200
Carbon tetrachloride	30	U	200	30	ug/L			09/19/11 22:50	200
Dibromochloromethane	30	U	200	30	ug/L			09/19/11 22:50	200
Chlorobenzene	1700		200	24	ug/L			09/19/11 22:50	200
Chloroethane	16	U	400	16	ug/L			09/19/11 22:50	200
Chloroform	97	J	200	26	ug/L			09/19/11 22:50	200
Chloromethane	36	U *	400	36	ug/L			09/19/11 22:50	200
1,1-Dichloroethane	3900		200	22	ug/L			09/19/11 22:50	200
1,2-Dichloroethane	990		200	28	ug/L			09/19/11 22:50	200
1,1-Dichloroethene	3200		200	38	ug/L			09/19/11 22:50	200
trans-1,2-Dichloroethene	7100		200	18	ug/L			09/19/11 22:50	200
1,2-Dichloropropane	32	U	200	32	ug/L			09/19/11 22:50	200
cis-1,3-Dichloropropene	36	U	200	36	ug/L			09/19/11 22:50	200
trans-1,3-Dichloropropene	42	U	200	42	ug/L			09/19/11 22:50	200
Ethylbenzene	1300		200	22	ug/L			09/19/11 22:50	200
2-Hexanone	70	U	400	70	ug/L			09/19/11 22:50	200
Methylene Chloride	83	J B	1000	30	ug/L			09/19/11 22:50	200
4-Methyl-2-pentanone (MIBK)	90	U	400	90	ug/L			09/19/11 22:50	200
Styrene	72	J	200	14	ug/L			09/19/11 22:50	200
1,1,2,2-Tetrachloroethane	44	U	200	44	ug/L			09/19/11 22:50	200
Tetrachloroethene	270		200	26	ug/L			09/19/11 22:50	200
Toluene	340		200	30	ug/L			09/19/11 22:50	200
1,1,1-Trichloroethane	30	U	200	30	ug/L			09/19/11 22:50	200
1,1,2-Trichloroethane	260		200	56	ug/L			09/19/11 22:50	200

Client Sample ID: MW-65-LF-1

Lab Sample ID: 600-43447-8

Date Collected: 09/15/11 16:30
Matrix: Water
Date Received: 09/16/11 11:24

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**830**		200	36	ug/L			09/19/11 22:50	200
Vinyl acetate	42	U	400	42	ug/L			09/19/11 22:50	200
o-Xylene	**42**	**J**	200	24	ug/L			09/19/11 22:50	200
m-Xylene & p-Xylene	**53**	**J**	200	34	ug/L			09/19/11 22:50	200
Xylenes, Total	**95**	**J**	200	52	ug/L			09/19/11 22:50	200
cis-1,2-Dichloroethene	**1500**		200	12	ug/L			09/19/11 22:50	200
Bromodichloromethane	32	U	200	32	ug/L			09/19/11 22:50	200
1,2-Dichloroethene, Total	**8600**		200	60	ug/L			09/19/11 22:50	200

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*106*		*70 - 130*		*09/19/11 22:50*	*200*
Dibromofluoromethane	*98*		*62 - 130*		*09/19/11 22:50*	*200*
4-Bromofluorobenzene	*99*		*67 - 139*		*09/19/11 22:50*	*200*
1,2-Dichloroethane-d4 (Surr)	*100*		*50 - 134*		*09/19/11 22:50*	*200*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**440000**		40000	2200	ug/L			09/20/11 18:48	20000

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*109*		*70 - 130*		*09/20/11 18:48*	*20000*
Dibromofluoromethane	*104*		*62 - 130*		*09/20/11 18:48*	*20000*
4-Bromofluorobenzene	*87*		*67 - 139*		*09/20/11 18:48*	*20000*
1,2-Dichloroethane-d4 (Surr)	*98*		*50 - 134*		*09/20/11 18:48*	*20000*

Client Sample ID: DUP-1

Lab Sample ID: 600-43447-9

Date Collected: 09/15/11 00:00
Matrix: Water
Date Received: 09/16/11 11:24

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**1500**	*	1000	200	ug/L			09/19/11 23:16	200
Benzene	**6900**		200	16	ug/L			09/19/11 23:16	200
Chlorobromomethane	36	U	200	36	ug/L			09/19/11 23:16	200
Bromoform	38	U	200	38	ug/L			09/19/11 23:16	200
Bromomethane	50	U	400	50	ug/L			09/19/11 23:16	200
2-Butanone (MEK)	150	U	400	150	ug/L			09/19/11 23:16	200
Carbon disulfide	48	U	400	48	ug/L			09/19/11 23:16	200
Carbon tetrachloride	30	U	200	30	ug/L			09/19/11 23:16	200
Dibromochloromethane	30	U	200	30	ug/L			09/19/11 23:16	200
Chlorobenzene	**2200**		200	24	ug/L			09/19/11 23:16	200
Chloroethane	16	U	400	16	ug/L			09/19/11 23:16	200
Chloroform	**67**	**J**	200	26	ug/L			09/19/11 23:16	200
Chloromethane	36	U *	400	36	ug/L			09/19/11 23:16	200
1,1-Dichloroethane	**2900**		200	22	ug/L			09/19/11 23:16	200
1,1-Dichloroethene	**2800**		200	38	ug/L			09/19/11 23:16	200
trans-1,2-Dichloroethene	**2800**		200	18	ug/L			09/19/11 23:16	200
1,2-Dichloropropane	32	U	200	32	ug/L			09/19/11 23:16	200
cis-1,3-Dichloropropene	36	U	200	36	ug/L			09/19/11 23:16	200
trans-1,3-Dichloropropene	42	U	200	42	ug/L			09/19/11 23:16	200

Client Sample ID: DUP-1

Lab Sample ID: 600-43447-9

Date Collected: 09/15/11 00:00
Matrix: Water
Date Received: 09/16/11 11:24

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	**4600**		200	22	ug/L			09/19/11 23:16	200
2-Hexanone	70	U	400	70	ug/L			09/19/11 23:16	200
Methylene Chloride	**350**	**J B**	1000	30	ug/L			09/19/11 23:16	200
4-Methyl-2-pentanone (MIBK)	90	U	400	90	ug/L			09/19/11 23:16	200
Styrene	**1900**		200	14	ug/L			09/19/11 23:16	200
1,1,2,2-Tetrachloroethane	**370**		200	44	ug/L			09/19/11 23:16	200
Tetrachloroethene	**210**		200	26	ug/L			09/19/11 23:16	200
Toluene	**2800**		200	30	ug/L			09/19/11 23:16	200
1,1,1-Trichloroethane	30	U	200	30	ug/L			09/19/11 23:16	200
Trichloroethene	**1200**		200	36	ug/L			09/19/11 23:16	200
Vinyl acetate	42	U	400	42	ug/L			09/19/11 23:16	200
o-Xylene	24	U	200	24	ug/L			09/19/11 23:16	200
m-Xylene & p-Xylene	**83**	**J**	200	34	ug/L			09/19/11 23:16	200
Xylenes, Total	**83**	**J**	200	52	ug/L			09/19/11 23:16	200
cis-1,2-Dichloroethene	**1300**		200	12	ug/L			09/19/11 23:16	200
Bromodichloromethane	32	U	200	32	ug/L			09/19/11 23:16	200
1,2-Dichloroethene, Total	**4100**		200	60	ug/L			09/19/11 23:16	200

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*70 - 130*		*09/19/11 23:16*	*200*
Dibromofluoromethane	*102*		*62 - 130*		*09/19/11 23:16*	*200*
4-Bromofluorobenzene	*93*		*67 - 139*		*09/19/11 23:16*	*200*
1,2-Dichloroethane-d4 (Surr)	*389*	*X*	*50 - 134*		*09/19/11 23:16*	*200*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	**170000**		10000	1400	ug/L			09/20/11 17:57	10000
1,1,2-Trichloroethane	**120000**		10000	2800	ug/L			09/20/11 17:57	10000
Vinyl chloride	**180000**		20000	1100	ug/L			09/20/11 17:57	10000

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*108*		*70 - 130*		*09/20/11 17:57*	*10000*
Dibromofluoromethane	*106*		*62 - 130*		*09/20/11 17:57*	*10000*
4-Bromofluorobenzene	*94*		*67 - 139*		*09/20/11 17:57*	*10000*
1,2-Dichloroethane-d4 (Surr)	*107*		*50 - 134*		*09/20/11 17:57*	*10000*

Client Sample ID: TRIP BLANK

Lab Sample ID: 600-43447-10

Date Collected: 09/15/11 00:00
Matrix: Water
Date Received: 09/16/11 11:24

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U *	5.0	0.99	ug/L			09/19/11 15:12	1
Benzene	0.080	U	1.0	0.080	ug/L			09/19/11 15:12	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			09/19/11 15:12	1
Bromoform	0.19	U	1.0	0.19	ug/L			09/19/11 15:12	1
Bromomethane	0.25	U	2.0	0.25	ug/L			09/19/11 15:12	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			09/19/11 15:12	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			09/19/11 15:12	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			09/19/11 15:12	1

Client Sample ID: TRIP BLANK

Lab Sample ID: 600-43447-10

Date Collected: 09/15/11 00:00

Matrix: Water

Date Received: 09/16/11 11:24

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			09/19/11 15:12	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			09/19/11 15:12	1
Chloroethane	0.080	U	2.0	0.080	ug/L			09/19/11 15:12	1
Chloroform	0.13	U	1.0	0.13	ug/L			09/19/11 15:12	1
Chloromethane	0.18	U *	2.0	0.18	ug/L			09/19/11 15:12	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			09/19/11 15:12	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			09/19/11 15:12	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			09/19/11 15:12	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			09/19/11 15:12	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			09/19/11 15:12	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			09/19/11 15:12	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			09/19/11 15:12	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			09/19/11 15:12	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			09/19/11 15:12	1
Methylene Chloride	0.15	U	5.0	0.15	ug/L			09/19/11 15:12	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			09/19/11 15:12	1
Styrene	0.070	U	1.0	0.070	ug/L			09/19/11 15:12	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			09/19/11 15:12	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			09/19/11 15:12	1
Toluene	0.15	U	1.0	0.15	ug/L			09/19/11 15:12	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			09/19/11 15:12	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			09/19/11 15:12	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			09/19/11 15:12	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			09/19/11 15:12	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			09/19/11 15:12	1
o-Xylene	0.12	U	1.0	0.12	ug/L			09/19/11 15:12	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			09/19/11 15:12	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			09/19/11 15:12	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			09/19/11 15:12	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			09/19/11 15:12	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			09/19/11 15:12	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*105*		*70 - 130*		*09/19/11 15:12*	*1*
Dibromofluoromethane	*96*		*62 - 130*		*09/19/11 15:12*	*1*
4-Bromofluorobenzene	*94*		*67 - 139*		*09/19/11 15:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*50 - 134*		*09/19/11 15:12*	*1*

Client Sample ID: MW-71-PRE-SLAB

Lab Sample ID: 600-43447-11

Date Collected: 09/15/11 10:20

Matrix: Water

Date Received: 09/16/11 11:24

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	20	U *	100	20	ug/L			09/19/11 16:49	20
Chlorobromomethane	3.6	U	20	3.6	ug/L			09/19/11 16:49	20
Bromoform	3.8	U	20	3.8	ug/L			09/19/11 16:49	20
Bromomethane	5.0	U	40	5.0	ug/L			09/19/11 16:49	20
2-Butanone (MEK)	15	U	40	15	ug/L			09/19/11 16:49	20
Carbon disulfide	**10**	**J**	40	4.8	ug/L			09/19/11 16:49	20

Client: Groundwater Services, Inc.
Project/Site: N-80

TestAmerica Job ID: 600-43447-1

Client Sample ID: MW-71-PRE-SLAB
Date Collected: 09/15/11 10:20
Date Received: 09/16/11 11:24

Lab Sample ID: 600-43447-11
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	3.0	U	20	3.0	ug/L			09/19/11 16:49	20
Dibromochloromethane	3.0	U	20	3.0	ug/L			09/19/11 16:49	20
Chlorobenzene	**180**		20	2.4	ug/L			09/19/11 16:49	20
Chloroethane	1.6	U	40	1.6	ug/L			09/19/11 16:49	20
Chloroform	2.6	U	20	2.6	ug/L			09/19/11 16:49	20
Chloromethane	3.6	U *	40	3.6	ug/L			09/19/11 16:49	20
1,1-Dichloroethane	**660**		20	2.2	ug/L			09/19/11 16:49	20
1,2-Dichloroethane	2.8	U	20	2.8	ug/L			09/19/11 16:49	20
1,1-Dichloroethene	3.8	U	20	3.8	ug/L			09/19/11 16:49	20
trans-1,2-Dichloroethene	1.8	U	20	1.8	ug/L			09/19/11 16:49	20
1,2-Dichloropropane	3.2	U	20	3.2	ug/L			09/19/11 16:49	20
cis-1,3-Dichloropropene	3.6	U	20	3.6	ug/L			09/19/11 16:49	20
trans-1,3-Dichloropropene	4.2	U	20	4.2	ug/L			09/19/11 16:49	20
Ethylbenzene	**340**		20	2.2	ug/L			09/19/11 16:49	20
2-Hexanone	7.0	U	40	7.0	ug/L			09/19/11 16:49	20
Methylene Chloride	**11**	**J B**	100	3.0	ug/L			09/19/11 16:49	20
4-Methyl-2-pentanone (MIBK)	9.0	U	40	9.0	ug/L			09/19/11 16:49	20
Styrene	**1.8**	**J**	20	1.4	ug/L			09/19/11 16:49	20
1,1,2,2-Tetrachloroethane	4.4	U	20	4.4	ug/L			09/19/11 16:49	20
Tetrachloroethene	2.6	U	20	2.6	ug/L			09/19/11 16:49	20
Toluene	**67**		20	3.0	ug/L			09/19/11 16:49	20
1,1,1-Trichloroethane	3.0	U	20	3.0	ug/L			09/19/11 16:49	20
1,1,2-Trichloroethane	5.6	U	20	5.6	ug/L			09/19/11 16:49	20
Trichloroethene	3.6	U	20	3.6	ug/L			09/19/11 16:49	20
Vinyl acetate	4.2	U	40	4.2	ug/L			09/19/11 16:49	20
Vinyl chloride	**130**		40	2.2	ug/L			09/19/11 16:49	20
o-Xylene	**6.4**	**J**	20	2.4	ug/L			09/19/11 16:49	20
m-Xylene & p-Xylene	**14**	**J**	20	3.4	ug/L			09/19/11 16:49	20
Xylenes, Total	**20**		20	5.2	ug/L			09/19/11 16:49	20
cis-1,2-Dichloroethene	1.2	U	20	1.2	ug/L			09/19/11 16:49	20
Bromodichloromethane	3.2	U	20	3.2	ug/L			09/19/11 16:49	20
1,2-Dichloroethene, Total	6.0	U	20	6.0	ug/L			09/19/11 16:49	20

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*107*		*70 - 130*		*09/19/11 16:49*	*20*
Dibromofluoromethane	*99*		*62 - 130*		*09/19/11 16:49*	*20*
4-Bromofluorobenzene	*93*		*67 - 139*		*09/19/11 16:49*	*20*
1,2-Dichloroethane-d4 (Surr)	*97*		*50 - 134*		*09/19/11 16:49*	*20*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1600**		100	8.0	ug/L			09/19/11 18:07	100

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*109*		*70 - 130*		*09/19/11 18:07*	*100*
Dibromofluoromethane	*98*		*62 - 130*		*09/19/11 18:07*	*100*
4-Bromofluorobenzene	*97*		*67 - 139*		*09/19/11 18:07*	*100*
1,2-Dichloroethane-d4 (Surr)	*98*		*50 - 134*		*09/19/11 18:07*	*100*

Client Sample Results

Client: Groundwater Services, Inc.
Project/Site: N-80

TestAmerica Job ID: 600-43447-1

Client Sample ID: MW-8-PRE-SLAB

Date Collected: 09/15/11 10:58
Date Received: 09/16/11 11:24

Lab Sample ID: 600-43447-12

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	99	U	500	99	ug/L			09/20/11 13:13	100
Benzene	**890**		100	8.0	ug/L			09/20/11 13:13	100
Chlorobromomethane	18	U	100	18	ug/L			09/20/11 13:13	100
Bromoform	19	U	100	19	ug/L			09/20/11 13:13	100
Bromomethane	25	U	200	25	ug/L			09/20/11 13:13	100
2-Butanone (MEK)	**1900**		200	76	ug/L			09/20/11 13:13	100
Carbon disulfide	**31**	**J**	200	24	ug/L			09/20/11 13:13	100
Carbon tetrachloride	15	U	100	15	ug/L			09/20/11 13:13	100
Dibromochloromethane	15	U	100	15	ug/L			09/20/11 13:13	100
Chlorobenzene	**160**		100	12	ug/L			09/20/11 13:13	100
Chloroethane	8.0	U	200	8.0	ug/L			09/20/11 13:13	100
Chloroform	13	U	100	13	ug/L			09/20/11 13:13	100
Chloromethane	18	U *	200	18	ug/L			09/20/11 13:13	100
1,1-Dichloroethane	**390**		100	11	ug/L			09/20/11 13:13	100
1,2-Dichloroethane	**140**		100	14	ug/L			09/20/11 13:13	100
1,1-Dichloroethene	**120**		100	19	ug/L			09/20/11 13:13	100
trans-1,2-Dichloroethene	**280**		100	9.0	ug/L			09/20/11 13:13	100
1,2-Dichloropropane	16	U	100	16	ug/L			09/20/11 13:13	100
cis-1,3-Dichloropropene	18	U	100	18	ug/L			09/20/11 13:13	100
trans-1,3-Dichloropropene	21	U	100	21	ug/L			09/20/11 13:13	100
Ethylbenzene	**400**		100	11	ug/L			09/20/11 13:13	100
2-Hexanone	35	U	200	35	ug/L			09/20/11 13:13	100
Methylene Chloride	15	U	500	15	ug/L			09/20/11 13:13	100
4-Methyl-2-pentanone (MIBK)	45	U	200	45	ug/L			09/20/11 13:13	100
Styrene	7.0	U	100	7.0	ug/L			09/20/11 13:13	100
1,1,2,2-Tetrachloroethane	22	U	100	22	ug/L			09/20/11 13:13	100
Tetrachloroethene	13	U	100	13	ug/L			09/20/11 13:13	100
Toluene	**95**	**J**	100	15	ug/L			09/20/11 13:13	100
1,1,1-Trichloroethane	15	U	100	15	ug/L			09/20/11 13:13	100
1,1,2-Trichloroethane	28	U	100	28	ug/L			09/20/11 13:13	100
Trichloroethene	**24**	**J**	100	18	ug/L			09/20/11 13:13	100
Vinyl acetate	21	U	200	21	ug/L			09/20/11 13:13	100
o-Xylene	**13**	**J**	100	12	ug/L			09/20/11 13:13	100
m-Xylene & p-Xylene	**27**	**J**	100	17	ug/L			09/20/11 13:13	100
Xylenes, Total	**40**	**J**	100	26	ug/L			09/20/11 13:13	100
cis-1,2-Dichloroethene	**61**	**J**	100	6.0	ug/L			09/20/11 13:13	100
Bromodichloromethane	16	U	100	16	ug/L			09/20/11 13:13	100
1,2-Dichloroethene, Total	**340**		100	30	ug/L			09/20/11 13:13	100

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*106*		*70 - 130*		*09/20/11 13:13*	*100*
Dibromofluoromethane	*99*		*62 - 130*		*09/20/11 13:13*	*100*
4-Bromofluorobenzene	*94*		*67 - 139*		*09/20/11 13:13*	*100*
1,2-Dichloroethane-d4 (Surr)	*99*		*50 - 134*		*09/20/11 13:13*	*100*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**6700**		1000	55	ug/L			09/20/11 15:22	500

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*107*		*70 - 130*		*09/20/11 15:22*	*500*

Client Sample ID: MW-8-PRE-SLAB

Lab Sample ID: 600-43447-12

Date Collected: 09/15/11 10:58
Date Received: 09/16/11 11:24

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*101*		*62 - 130*		*09/20/11 15:22*	*500*
4-Bromofluorobenzene	*93*		*67 - 139*		*09/20/11 15:22*	*500*
1,2-Dichloroethane-d4 (Surr)	*93*		*50 - 134*		*09/20/11 15:22*	*500*

Client Sample ID: MW-11-PRE-SLAB

Lab Sample ID: 600-43447-13

Date Collected: 09/15/11 11:50
Date Received: 09/16/11 11:24

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	200	U *	1000	200	ug/L			09/20/11 00:33	200
Benzene	**140**	**J**	200	16	ug/L			09/20/11 00:33	200
Chlorobromomethane	36	U	200	36	ug/L			09/20/11 00:33	200
Bromoform	38	U	200	38	ug/L			09/20/11 00:33	200
Bromomethane	50	U	400	50	ug/L			09/20/11 00:33	200
2-Butanone (MEK)	150	U	400	150	ug/L			09/20/11 00:33	200
Carbon disulfide	48	U	400	48	ug/L			09/20/11 00:33	200
Carbon tetrachloride	30	U	200	30	ug/L			09/20/11 00:33	200
Dibromochloromethane	30	U	200	30	ug/L			09/20/11 00:33	200
Chlorobenzene	**320**		200	24	ug/L			09/20/11 00:33	200
Chloroethane	16	U	400	16	ug/L			09/20/11 00:33	200
Chloroform	26	U	200	26	ug/L			09/20/11 00:33	200
Chloromethane	36	U *	400	36	ug/L			09/20/11 00:33	200
1,1-Dichloroethane	**1200**		200	22	ug/L			09/20/11 00:33	200
1,2-Dichloroethane	**4400**		200	28	ug/L			09/20/11 00:33	200
1,1-Dichloroethene	**810**		200	38	ug/L			09/20/11 00:33	200
trans-1,2-Dichloroethene	**2000**		200	18	ug/L			09/20/11 00:33	200
1,2-Dichloropropane	32	U	200	32	ug/L			09/20/11 00:33	200
cis-1,3-Dichloropropene	36	U	200	36	ug/L			09/20/11 00:33	200
trans-1,3-Dichloropropene	42	U	200	42	ug/L			09/20/11 00:33	200
Ethylbenzene	**34**	**J**	200	22	ug/L			09/20/11 00:33	200
2-Hexanone	70	U	400	70	ug/L			09/20/11 00:33	200
Methylene Chloride	**79**	**J B**	1000	30	ug/L			09/20/11 00:33	200
4-Methyl-2-pentanone (MIBK)	90	U	400	90	ug/L			09/20/11 00:33	200
Styrene	14	U	200	14	ug/L			09/20/11 00:33	200
1,1,2,2-Tetrachloroethane	44	U	200	44	ug/L			09/20/11 00:33	200
Tetrachloroethene	26	U	200	26	ug/L			09/20/11 00:33	200
Toluene	30	U	200	30	ug/L			09/20/11 00:33	200
1,1,1-Trichloroethane	30	U	200	30	ug/L			09/20/11 00:33	200
1,1,2-Trichloroethane	**110**	**J**	200	56	ug/L			09/20/11 00:33	200
Trichloroethene	**810**		200	36	ug/L			09/20/11 00:33	200
Vinyl acetate	42	U	400	42	ug/L			09/20/11 00:33	200
o-Xylene	24	U	200	24	ug/L			09/20/11 00:33	200
m-Xylene & p-Xylene	34	U	200	34	ug/L			09/20/11 00:33	200
Xylenes, Total	52	U	200	52	ug/L			09/20/11 00:33	200
cis-1,2-Dichloroethene	**3900**		200	12	ug/L			09/20/11 00:33	200
Bromodichloromethane	32	U	200	32	ug/L			09/20/11 00:33	200
1,2-Dichloroethene, Total	**5900**		200	60	ug/L			09/20/11 00:33	200

Client Sample ID: MW-11-PRE-SLAB

Lab Sample ID: 600-43447-13

Date Collected: 09/15/11 11:50
Date Received: 09/16/11 11:24

Matrix: Water

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	107		70 - 130		09/20/11 00:33	200
Dibromofluoromethane	98		62 - 130		09/20/11 00:33	200
4-Bromofluorobenzene	96		67 - 139		09/20/11 00:33	200
1,2-Dichloroethane-d4 (Surr)	109		50 - 134		09/20/11 00:33	200

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**40000**		40000	2200	ug/L			09/20/11 19:14	20000

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		70 - 130		09/20/11 19:14	20000
Dibromofluoromethane	106		62 - 130		09/20/11 19:14	20000
4-Bromofluorobenzene	95		67 - 139		09/20/11 19:14	20000
1,2-Dichloroethane-d4 (Surr)	94		50 - 134		09/20/11 19:14	20000

Client Sample ID: MW-40-PRE-SLAB

Lab Sample ID: 600-43447-14

Date Collected: 09/15/11 12:30
Date Received: 09/16/11 11:24

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	99	U *	500	99	ug/L			09/19/11 21:33	100
Benzene	**160**		100	8.0	ug/L			09/19/11 21:33	100
Chlorobromomethane	18	U	100	18	ug/L			09/19/11 21:33	100
Bromoform	19	U	100	19	ug/L			09/19/11 21:33	100
Bromomethane	25	U	200	25	ug/L			09/19/11 21:33	100
2-Butanone (MEK)	76	U	200	76	ug/L			09/19/11 21:33	100
Carbon disulfide	**32**	**J**	200	24	ug/L			09/19/11 21:33	100
Carbon tetrachloride	15	U	100	15	ug/L			09/19/11 21:33	100
Dibromochloromethane	15	U	100	15	ug/L			09/19/11 21:33	100
Chlorobenzene	**500**		100	12	ug/L			09/19/11 21:33	100
Chloroethane	8.0	U	200	8.0	ug/L			09/19/11 21:33	100
Chloroform	13	U	100	13	ug/L			09/19/11 21:33	100
Chloromethane	18	U *	200	18	ug/L			09/19/11 21:33	100
1,1-Dichloroethane	**750**		100	11	ug/L			09/19/11 21:33	100
1,2-Dichloroethane	14	U	100	14	ug/L			09/19/11 21:33	100
1,1-Dichloroethene	19	U	100	19	ug/L			09/19/11 21:33	100
trans-1,2-Dichloroethene	**23**	**J**	100	9.0	ug/L			09/19/11 21:33	100
1,2-Dichloropropane	16	U	100	16	ug/L			09/19/11 21:33	100
cis-1,3-Dichloropropene	18	U	100	18	ug/L			09/19/11 21:33	100
trans-1,3-Dichloropropene	21	U	100	21	ug/L			09/19/11 21:33	100
Ethylbenzene	**130**		100	11	ug/L			09/19/11 21:33	100
2-Hexanone	35	U	200	35	ug/L			09/19/11 21:33	100
Methylene Chloride	15	U	500	15	ug/L			09/19/11 21:33	100
4-Methyl-2-pentanone (MIBK)	45	U	200	45	ug/L			09/19/11 21:33	100
Styrene	7.0	U	100	7.0	ug/L			09/19/11 21:33	100
1,1,2,2-Tetrachloroethane	22	U	100	22	ug/L			09/19/11 21:33	100
Tetrachloroethene	13	U	100	13	ug/L			09/19/11 21:33	100
Toluene	**35**	**J**	100	15	ug/L			09/19/11 21:33	100
1,1,1-Trichloroethane	15	U	100	15	ug/L			09/19/11 21:33	100

Client Sample ID: MW-40-PRE-SLAB

Lab Sample ID: 600-43447-14

Date Collected: 09/15/11 12:30

Matrix: Water

Date Received: 09/16/11 11:24

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	28	U	100	28	ug/L			09/19/11 21:33	100
Trichloroethene	18	U	100	18	ug/L			09/19/11 21:33	100
Vinyl acetate	21	U	200	21	ug/L			09/19/11 21:33	100
o-Xylene	12	U	100	12	ug/L			09/19/11 21:33	100
m-Xylene & p-Xylene	17	U	100	17	ug/L			09/19/11 21:33	100
Xylenes, Total	26	U	100	26	ug/L			09/19/11 21:33	100
cis-1,2-Dichloroethene	**14**	**J**	100	6.0	ug/L			09/19/11 21:33	100
Bromodichloromethane	16	U	100	16	ug/L			09/19/11 21:33	100
1,2-Dichloroethene, Total	**37**	**J**	100	30	ug/L			09/19/11 21:33	100

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*106*		*70 - 130*		*09/19/11 21:33*	*100*
Dibromofluoromethane	*99*		*62 - 130*		*09/19/11 21:33*	*100*
4-Bromofluorobenzene	*97*		*67 - 139*		*09/19/11 21:33*	*100*
1,2-Dichloroethane-d4 (Surr)	*96*		*50 - 134*		*09/19/11 21:33*	*100*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**8200**		1000	55	ug/L			09/20/11 15:48	500

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*106*		*70 - 130*		*09/20/11 15:48*	*500*
Dibromofluoromethane	*105*		*62 - 130*		*09/20/11 15:48*	*500*
4-Bromofluorobenzene	*94*		*67 - 139*		*09/20/11 15:48*	*500*
1,2-Dichloroethane-d4 (Surr)	*100*		*50 - 134*		*09/20/11 15:48*	*500*

Client Sample ID: MW-66-PRE-SLAB

Lab Sample ID: 600-43447-15

Date Collected: 09/15/11 14:40

Matrix: Water

Date Received: 09/16/11 11:24

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**1900**	*	1000	200	ug/L			09/19/11 23:41	200
Benzene	**6900**		200	16	ug/L			09/19/11 23:41	200
Chlorobromomethane	36	U	200	36	ug/L			09/19/11 23:41	200
Bromoform	38	U	200	38	ug/L			09/19/11 23:41	200
Bromomethane	50	U	400	50	ug/L			09/19/11 23:41	200
2-Butanone (MEK)	150	U	400	150	ug/L			09/19/11 23:41	200
Carbon disulfide	48	U	400	48	ug/L			09/19/11 23:41	200
Carbon tetrachloride	30	U	200	30	ug/L			09/19/11 23:41	200
Dibromochloromethane	30	U	200	30	ug/L			09/19/11 23:41	200
Chlorobenzene	**2300**		200	24	ug/L			09/19/11 23:41	200
Chloroethane	16	U	400	16	ug/L			09/19/11 23:41	200
Chloroform	**58**	**J**	200	26	ug/L			09/19/11 23:41	200
Chloromethane	36	U *	400	36	ug/L			09/19/11 23:41	200
1,1-Dichloroethane	**2700**		200	22	ug/L			09/19/11 23:41	200
1,1-Dichloroethene	**2600**		200	38	ug/L			09/19/11 23:41	200
trans-1,2-Dichloroethene	**2500**		200	18	ug/L			09/19/11 23:41	200
1,2-Dichloropropane	32	U	200	32	ug/L			09/19/11 23:41	200
cis-1,3-Dichloropropene	36	U	200	36	ug/L			09/19/11 23:41	200

Client Sample ID: MW-66-PRE-SLAB

Lab Sample ID: 600-43447-15

Date Collected: 09/15/11 14:40

Matrix: Water

Date Received: 09/16/11 11:24

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	42	U	200	42	ug/L			09/19/11 23:41	200
Ethylbenzene	**4600**		200	22	ug/L			09/19/11 23:41	200
2-Hexanone	70	U	400	70	ug/L			09/19/11 23:41	200
Methylene Chloride	**240**	**J B**	1000	30	ug/L			09/19/11 23:41	200
4-Methyl-2-pentanone (MIBK)	90	U	400	90	ug/L			09/19/11 23:41	200
Styrene	**2000**		200	14	ug/L			09/19/11 23:41	200
1,1,2,2-Tetrachloroethane	**380**		200	44	ug/L			09/19/11 23:41	200
Tetrachloroethene	**230**		200	26	ug/L			09/19/11 23:41	200
Toluene	**3000**		200	30	ug/L			09/19/11 23:41	200
1,1,1-Trichloroethane	30	U	200	30	ug/L			09/19/11 23:41	200
Trichloroethene	**1200**		200	36	ug/L			09/19/11 23:41	200
Vinyl acetate	42	U	400	42	ug/L			09/19/11 23:41	200
o-Xylene	**44**	**J**	200	24	ug/L			09/19/11 23:41	200
m-Xylene & p-Xylene	**50**	**J**	200	34	ug/L			09/19/11 23:41	200
Xylenes, Total	**94**	**J**	200	52	ug/L			09/19/11 23:41	200
cis-1,2-Dichloroethene	**1200**		200	12	ug/L			09/19/11 23:41	200
Bromodichloromethane	32	U	200	32	ug/L			09/19/11 23:41	200
1,2-Dichloroethene, Total	**3700**		200	60	ug/L			09/19/11 23:41	200

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*70 - 130*		*09/19/11 23:41*	*200*
Dibromofluoromethane	*105*		*62 - 130*		*09/19/11 23:41*	*200*
4-Bromofluorobenzene	*94*		*67 - 139*		*09/19/11 23:41*	*200*
1,2-Dichloroethane-d4 (Surr)	*352*	*X*	*50 - 134*		*09/19/11 23:41*	*200*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	**120000**		10000	1400	ug/L			09/20/11 18:23	10000
1,1,2-Trichloroethane	**110000**		10000	2800	ug/L			09/20/11 18:23	10000
Vinyl chloride	**150000**		20000	1100	ug/L			09/20/11 18:23	10000

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*107*		*70 - 130*		*09/20/11 18:23*	*10000*
Dibromofluoromethane	*101*		*62 - 130*		*09/20/11 18:23*	*10000*
4-Bromofluorobenzene	*95*		*67 - 139*		*09/20/11 18:23*	*10000*
1,2-Dichloroethane-d4 (Surr)	*103*		*50 - 134*		*09/20/11 18:23*	*10000*

Client Sample ID: MW-68-PRE-SLAB

Lab Sample ID: 600-43447-16

Date Collected: 09/15/11 15:00

Matrix: Water

Date Received: 09/16/11 11:24

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	99	U *	500	99	ug/L			09/19/11 21:58	100
Benzene	**71**	**J**	100	8.0	ug/L			09/19/11 21:58	100
Chlorobromomethane	18	U	100	18	ug/L			09/19/11 21:58	100
Bromoform	19	U	100	19	ug/L			09/19/11 21:58	100
Bromomethane	25	U	200	25	ug/L			09/19/11 21:58	100
2-Butanone (MEK)	76	U	200	76	ug/L			09/19/11 21:58	100
Carbon disulfide	24	U	200	24	ug/L			09/19/11 21:58	100

Client: Groundwater Services, Inc.
Project/Site: N-80

TestAmerica Job ID: 600-43447-1

Client Sample ID: MW-68-PRE-SLAB
Date Collected: 09/15/11 15:00
Date Received: 09/16/11 11:24

Lab Sample ID: 600-43447-16
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	15	U	100	15	ug/L			09/19/11 21:58	100
Dibromochloromethane	15	U	100	15	ug/L			09/19/11 21:58	100
Chlorobenzene	**57**	**J**	100	12	ug/L			09/19/11 21:58	100
Chloroethane	8.0	U	200	8.0	ug/L			09/19/11 21:58	100
Chloroform	13	U	100	13	ug/L			09/19/11 21:58	100
Chloromethane	18	U *	200	18	ug/L			09/19/11 21:58	100
1,1-Dichloroethane	**200**		100	11	ug/L			09/19/11 21:58	100
1,2-Dichloroethane	14	U	100	14	ug/L			09/19/11 21:58	100
1,1-Dichloroethene	19	U	100	19	ug/L			09/19/11 21:58	100
trans-1,2-Dichloroethene	**230**		100	9.0	ug/L			09/19/11 21:58	100
1,2-Dichloropropane	16	U	100	16	ug/L			09/19/11 21:58	100
cis-1,3-Dichloropropene	18	U	100	18	ug/L			09/19/11 21:58	100
trans-1,3-Dichloropropene	21	U	100	21	ug/L			09/19/11 21:58	100
Ethylbenzene	**170**		100	11	ug/L			09/19/11 21:58	100
2-Hexanone	35	U	200	35	ug/L			09/19/11 21:58	100
Methylene Chloride	**43**	**J B**	500	15	ug/L			09/19/11 21:58	100
4-Methyl-2-pentanone (MIBK)	45	U	200	45	ug/L			09/19/11 21:58	100
Styrene	7.0	U	100	7.0	ug/L			09/19/11 21:58	100
1,1,2,2-Tetrachloroethane	22	U	100	22	ug/L			09/19/11 21:58	100
Tetrachloroethene	13	U	100	13	ug/L			09/19/11 21:58	100
Toluene	**27**	**J**	100	15	ug/L			09/19/11 21:58	100
1,1,1-Trichloroethane	15	U	100	15	ug/L			09/19/11 21:58	100
1,1,2-Trichloroethane	28	U	100	28	ug/L			09/19/11 21:58	100
Trichloroethene	18	U	100	18	ug/L			09/19/11 21:58	100
Vinyl acetate	21	U	200	21	ug/L			09/19/11 21:58	100
o-Xylene	12	U	100	12	ug/L			09/19/11 21:58	100
m-Xylene & p-Xylene	17	U	100	17	ug/L			09/19/11 21:58	100
Xylenes, Total	26	U	100	26	ug/L			09/19/11 21:58	100
cis-1,2-Dichloroethene	**11**	**J**	100	6.0	ug/L			09/19/11 21:58	100
Bromodichloromethane	16	U	100	16	ug/L			09/19/11 21:58	100
1,2-Dichloroethene, Total	**240**		100	30	ug/L			09/19/11 21:58	100

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*109*		*70 - 130*		*09/19/11 21:58*	*100*
Dibromofluoromethane	*100*		*62 - 130*		*09/19/11 21:58*	*100*
4-Bromofluorobenzene	*97*		*67 - 139*		*09/19/11 21:58*	*100*
1,2-Dichloroethane-d4 (Surr)	*95*		*50 - 134*		*09/19/11 21:58*	*100*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**8400**		1000	55	ug/L			09/20/11 16:14	500

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*109*		*70 - 130*		*09/20/11 16:14*	*500*
Dibromofluoromethane	*101*		*62 - 130*		*09/20/11 16:14*	*500*
4-Bromofluorobenzene	*94*		*67 - 139*		*09/20/11 16:14*	*500*
1,2-Dichloroethane-d4 (Surr)	*97*		*50 - 134*		*09/20/11 16:14*	*500*

Client Sample Results

Client: Groundwater Services, Inc.
Project/Site: N-80

TestAmerica Job ID: 600-43447-1

Client Sample ID: MW-4-PRE-SLAB

Date Collected: 09/15/11 15:40
Date Received: 09/16/11 11:24

Lab Sample ID: 600-43447-17

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**840**	**J ***	1000	200	ug/L			09/20/11 00:07	200
Benzene	**4700**		200	16	ug/L			09/20/11 00:07	200
Chlorobromomethane	36	U	200	36	ug/L			09/20/11 00:07	200
Bromoform	38	U	200	38	ug/L			09/20/11 00:07	200
Bromomethane	50	U	400	50	ug/L			09/20/11 00:07	200
2-Butanone (MEK)	150	U	400	150	ug/L			09/20/11 00:07	200
Carbon disulfide	48	U	400	48	ug/L			09/20/11 00:07	200
Carbon tetrachloride	30	U	200	30	ug/L			09/20/11 00:07	200
Dibromochloromethane	30	U	200	30	ug/L			09/20/11 00:07	200
Chlorobenzene	**1200**		200	24	ug/L			09/20/11 00:07	200
Chloroethane	16	U	400	16	ug/L			09/20/11 00:07	200
Chloroform	26	U	200	26	ug/L			09/20/11 00:07	200
Chloromethane	36	U *	400	36	ug/L			09/20/11 00:07	200
1,1-Dichloroethane	**5700**		200	22	ug/L			09/20/11 00:07	200
1,2-Dichloropropane	32	U	200	32	ug/L			09/20/11 00:07	200
cis-1,3-Dichloropropene	36	U	200	36	ug/L			09/20/11 00:07	200
trans-1,3-Dichloropropene	42	U	200	42	ug/L			09/20/11 00:07	200
Ethylbenzene	**760**		200	22	ug/L			09/20/11 00:07	200
2-Hexanone	70	U	400	70	ug/L			09/20/11 00:07	200
Methylene Chloride	**94**	**J B**	1000	30	ug/L			09/20/11 00:07	200
4-Methyl-2-pentanone (MIBK)	90	U	400	90	ug/L			09/20/11 00:07	200
Styrene	**32**	**J**	200	14	ug/L			09/20/11 00:07	200
1,1,2,2-Tetrachloroethane	44	U	200	44	ug/L			09/20/11 00:07	200
Tetrachloroethene	**420**		200	26	ug/L			09/20/11 00:07	200
Toluene	**270**		200	30	ug/L			09/20/11 00:07	200
1,1,1-Trichloroethane	30	U	200	30	ug/L			09/20/11 00:07	200
1,1,2-Trichloroethane	**330**		200	56	ug/L			09/20/11 00:07	200
Trichloroethene	**1700**		200	36	ug/L			09/20/11 00:07	200
Vinyl acetate	42	U	400	42	ug/L			09/20/11 00:07	200
o-Xylene	**31**	**J**	200	24	ug/L			09/20/11 00:07	200
m-Xylene & p-Xylene	**52**	**J**	200	34	ug/L			09/20/11 00:07	200
Xylenes, Total	**83**	**J**	200	52	ug/L			09/20/11 00:07	200
Bromodichloromethane	32	U	200	32	ug/L			09/20/11 00:07	200

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*105*		*70 - 130*		*09/20/11 00:07*	*200*
Dibromofluoromethane	*101*		*62 - 130*		*09/20/11 00:07*	*200*
4-Bromofluorobenzene	*97*		*67 - 139*		*09/20/11 00:07*	*200*
1,2-Dichloroethane-d4 (Surr)	*93*		*50 - 134*		*09/20/11 00:07*	*200*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	**83000**		2000	280	ug/L			09/20/11 20:57	2000
1,1-Dichloroethene	**11000**		2000	380	ug/L			09/20/11 20:57	2000
trans-1,2-Dichloroethene	**8900**		2000	180	ug/L			09/20/11 20:57	2000
cis-1,2-Dichloroethene	**4600**		2000	120	ug/L			09/20/11 20:57	2000
1,2-Dichloroethene, Total	**14000**		2000	600	ug/L			09/20/11 20:57	2000

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*105*		*70 - 130*		*09/20/11 20:57*	*2000*
Dibromofluoromethane	*103*		*62 - 130*		*09/20/11 20:57*	*2000*

Client Sample ID: MW-4-PRE-SLAB

Lab Sample ID: 600-43447-17

Date Collected: 09/15/11 15:40
Matrix: Water
Date Received: 09/16/11 11:24

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	84		67 - 139		09/20/11 20:57	2000
1,2-Dichloroethane-d4 (Surr)	123		50 - 134		09/20/11 20:57	2000

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**460000**		40000	2200	ug/L			09/20/11 21:23	20000

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	108		70 - 130		09/20/11 21:23	20000
Dibromofluoromethane	104		62 - 130		09/20/11 21:23	20000
4-Bromofluorobenzene	94		67 - 139		09/20/11 21:23	20000
1,2-Dichloroethane-d4 (Surr)	99		50 - 134		09/20/11 21:23	20000

Client Sample ID: MW-65-PRE-SLAB

Lab Sample ID: 600-43447-18

Date Collected: 09/15/11 16:15
Matrix: Water
Date Received: 09/16/11 11:24

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	200	U *	1000	200	ug/L			09/20/11 00:59	200
Benzene	**4100**		200	16	ug/L			09/20/11 00:59	200
Chlorobromomethane	36	U	200	36	ug/L			09/20/11 00:59	200
Bromoform	38	U	200	38	ug/L			09/20/11 00:59	200
Bromomethane	50	U	400	50	ug/L			09/20/11 00:59	200
2-Butanone (MEK)	150	U	400	150	ug/L			09/20/11 00:59	200
Carbon disulfide	48	U	400	48	ug/L			09/20/11 00:59	200
Carbon tetrachloride	30	U	200	30	ug/L			09/20/11 00:59	200
Dibromochloromethane	30	U	200	30	ug/L			09/20/11 00:59	200
Chlorobenzene	**1700**		200	24	ug/L			09/20/11 00:59	200
Chloroethane	16	U	400	16	ug/L			09/20/11 00:59	200
Chloroform	**120**	**J**	200	26	ug/L			09/20/11 00:59	200
Chloromethane	36	U *	400	36	ug/L			09/20/11 00:59	200
1,1-Dichloroethane	**3700**		200	22	ug/L			09/20/11 00:59	200
1,2-Dichloroethane	**1100**		200	28	ug/L			09/20/11 00:59	200
1,1-Dichloroethene	**4500**		200	38	ug/L			09/20/11 00:59	200
trans-1,2-Dichloroethene	**6900**		200	18	ug/L			09/20/11 00:59	200
1,2-Dichloropropane	32	U	200	32	ug/L			09/20/11 00:59	200
cis-1,3-Dichloropropene	36	U	200	36	ug/L			09/20/11 00:59	200
trans-1,3-Dichloropropene	42	U	200	42	ug/L			09/20/11 00:59	200
Ethylbenzene	**1400**		200	22	ug/L			09/20/11 00:59	200
2-Hexanone	70	U	400	70	ug/L			09/20/11 00:59	200
Methylene Chloride	**130**	**J B**	1000	30	ug/L			09/20/11 00:59	200
4-Methyl-2-pentanone (MIBK)	90	U	400	90	ug/L			09/20/11 00:59	200
Styrene	**54**	**J**	200	14	ug/L			09/20/11 00:59	200
1,1,2,2-Tetrachloroethane	44	U	200	44	ug/L			09/20/11 00:59	200
Tetrachloroethene	**390**		200	26	ug/L			09/20/11 00:59	200
Toluene	**360**		200	30	ug/L			09/20/11 00:59	200
1,1,1-Trichloroethane	30	U	200	30	ug/L			09/20/11 00:59	200
1,1,2-Trichloroethane	56	U	200	56	ug/L			09/20/11 00:59	200

Client: Groundwater Services, Inc.
Project/Site: N-80

TestAmerica Job ID: 600-43447-1

Client Sample ID: MW-65-PRE-SLAB

Lab Sample ID: 600-43447-18

Date Collected: 09/15/11 16:15
Date Received: 09/16/11 11:24

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**1200**		200	36	ug/L			09/20/11 00:59	200
Vinyl acetate	42	U	400	42	ug/L			09/20/11 00:59	200
o-Xylene	**51**	**J**	200	24	ug/L			09/20/11 00:59	200
m-Xylene & p-Xylene	**85**	**J**	200	34	ug/L			09/20/11 00:59	200
Xylenes, Total	**140**	**J**	200	52	ug/L			09/20/11 00:59	200
cis-1,2-Dichloroethene	**2100**		200	12	ug/L			09/20/11 00:59	200
Bromodichloromethane	32	U	200	32	ug/L			09/20/11 00:59	200
1,2-Dichloroethene, Total	**9000**		200	60	ug/L			09/20/11 00:59	200

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*70 - 130*		*09/20/11 00:59*	*200*
Dibromofluoromethane	*101*		*62 - 130*		*09/20/11 00:59*	*200*
4-Bromofluorobenzene	*93*		*67 - 139*		*09/20/11 00:59*	*200*
1,2-Dichloroethane-d4 (Surr)	*100*		*50 - 134*		*09/20/11 00:59*	*200*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**350000**		20000	1100	ug/L			09/21/11 16:14	10000

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*105*		*70 - 130*		*09/21/11 16:14*	*10000*
Dibromofluoromethane	*96*		*62 - 130*		*09/21/11 16:14*	*10000*
4-Bromofluorobenzene	*95*		*67 - 139*		*09/21/11 16:14*	*10000*
1,2-Dichloroethane-d4 (Surr)	*92*		*50 - 134*		*09/21/11 16:14*	*10000*

Surrogate Summary

Client: Groundwater Services, Inc.
Project/Site: N-80

TestAmerica Job ID: 600-43447-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DBFM	BFB	12DCE
Lab Sample ID	Client Sample ID	(70-130)	(62-130)	(67-139)	(50-134)
600-43447-1	MW-71-LF-1	104	100	96	93
600-43447-2	MW-8-LF-1	105	98	92	98
600-43447-2 - DL	MW-8-LF-1	103	101	97	99
600-43447-3	MW-11-LF-1	107	100	93	114
600-43447-3 - DL	MW-11-LF-1	107	98	89	94
600-43447-4	MW-40-LF-1	106	98	93	94
600-43447-4 - DL	MW-40-LF-1	104	101	94	97
600-43447-4 MS	MW-40-LF-1	106	98	91	102
600-43447-4 MSD	MW-40-LF-1	104	99	91	105
600-43447-5	MW-66-LF-1	105	100	91	405 E X
600-43447-5 - DL	MW-66-LF-1	103	100	94	102
600-43447-6	MW-68-LF-1	102	99	95	96
600-43447-6 - DL	MW-68-LF-1	104	102	99	99
600-43447-7	MW-4-LF-1	103	101	92	443 E X
600-43447-7 - DL	MW-4-LF-1	104	99	92	135 X
600-43447-7 - DL2	MW-4-LF-1	108	102	99	102
600-43447-8	MW-65-LF-1	106	98	99	100
600-43447-8 - DL	MW-65-LF-1	109	104	87	98
600-43447-9	DUP-1	101	102	93	389 X
600-43447-9 - DL	DUP-1	108	106	94	107
600-43447-10	TRIP BLANK	105	96	94	92
600-43447-11 - DL	MW-71-PRE-SLAB	109	98	97	98
600-43447-11	MW-71-PRE-SLAB	107	99	93	97
600-43447-11 MS	MW-71-PRE-SLAB	107	104	89	106
600-43447-11 MSD	MW-71-PRE-SLAB	104	105	92	102
600-43447-12 - DL	MW-8-PRE-SLAB	107	101	93	93
600-43447-12	MW-8-PRE-SLAB	106	99	94	99
600-43447-13	MW-11-PRE-SLAB	107	98	96	109
600-43447-13 - DL	MW-11-PRE-SLAB	100	106	95	94
600-43447-14	MW-40-PRE-SLAB	106	99	97	96
600-43447-14 - DL	MW-40-PRE-SLAB	106	105	94	100
600-43447-15	MW-66-PRE-SLAB	101	105	94	352 X
600-43447-15 - DL	MW-66-PRE-SLAB	107	101	95	103
600-43447-16	MW-68-PRE-SLAB	109	100	97	95
600-43447-16 - DL	MW-68-PRE-SLAB	109	101	94	97
600-43447-17	MW-4-PRE-SLAB	105	101	97	93
600-43447-17 - DL	MW-4-PRE-SLAB	105	103	84	123
600-43447-17 - DL2	MW-4-PRE-SLAB	108	104	94	99
600-43447-18	MW-65-PRE-SLAB	103	101	93	100
600-43447-18 - DL	MW-65-PRE-SLAB	105	96	95	92
LCS 600-62650/3	Lab Control Sample	114	109	102	113
LCS 600-62686/3	Lab Control Sample	112	111	101	108
LCS 600-62770/3	Lab Control Sample	109	107	95	100
MB 600-62650/4	Method Blank	105	98	93	99
MB 600-62686/4	Method Blank	105	99	89	97
MB 600-62770/4	Method Blank	102	94	90	89

Surrogate Legend

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane

BFB = 4-Bromofluorobenzene

Surrogate Summary

Client: Groundwater Services, Inc.
Project/Site: N-80

TestAmerica Job ID: 600-43447-1

12DCE = 1,2-Dichloroethane-d4 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 600-62650/4
Matrix: Water
Analysis Batch: 62650

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			09/19/11 14:46	1
Benzene	0.080	U	1.0	0.080	ug/L			09/19/11 14:46	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			09/19/11 14:46	1
Bromoform	0.19	U	1.0	0.19	ug/L			09/19/11 14:46	1
Bromomethane	0.25	U	2.0	0.25	ug/L			09/19/11 14:46	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			09/19/11 14:46	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			09/19/11 14:46	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			09/19/11 14:46	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			09/19/11 14:46	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			09/19/11 14:46	1
Chloroethane	0.080	U	2.0	0.080	ug/L			09/19/11 14:46	1
Chloroform	0.13	U	1.0	0.13	ug/L			09/19/11 14:46	1
Chloromethane	0.18	U	2.0	0.18	ug/L			09/19/11 14:46	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			09/19/11 14:46	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			09/19/11 14:46	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			09/19/11 14:46	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			09/19/11 14:46	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			09/19/11 14:46	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			09/19/11 14:46	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			09/19/11 14:46	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			09/19/11 14:46	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			09/19/11 14:46	1
Methylene Chloride	0.645	J	5.0	0.15	ug/L			09/19/11 14:46	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			09/19/11 14:46	1
Styrene	0.070	U	1.0	0.070	ug/L			09/19/11 14:46	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			09/19/11 14:46	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			09/19/11 14:46	1
Toluene	0.15	U	1.0	0.15	ug/L			09/19/11 14:46	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			09/19/11 14:46	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			09/19/11 14:46	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			09/19/11 14:46	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			09/19/11 14:46	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			09/19/11 14:46	1
o-Xylene	0.12	U	1.0	0.12	ug/L			09/19/11 14:46	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			09/19/11 14:46	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			09/19/11 14:46	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			09/19/11 14:46	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			09/19/11 14:46	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			09/19/11 14:46	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*105*		*70 - 130*		*09/19/11 14:46*	*1*
Dibromofluoromethane	*98*		*62 - 130*		*09/19/11 14:46*	*1*
4-Bromofluorobenzene	*93*		*67 - 139*		*09/19/11 14:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*50 - 134*		*09/19/11 14:46*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-62650/3
Matrix: Water
Analysis Batch: 62650

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	20.0	34.0	*	ug/L		170	28 - 152
Benzene	10.0	10.3		ug/L		103	69 - 131
Chlorobromomethane	10.0	11.3		ug/L		113	60 - 141
Bromoform	10.0	9.81		ug/L		98	39 - 149
Bromomethane	10.0	12.4		ug/L		124	52 - 146
2-Butanone (MEK)	20.0	26.4		ug/L		132	59 - 133
Carbon disulfide	10.0	13.0		ug/L		130	32 - 177
Carbon tetrachloride	10.0	11.7		ug/L		117	59 - 147
Dibromochloromethane	10.0	11.9		ug/L		119	58 - 132
Chlorobenzene	10.0	10.5		ug/L		105	60 - 136
Chloroethane	10.0	12.8		ug/L		128	56 - 144
Chloroform	10.0	10.3		ug/L		103	69 - 128
Chloromethane	10.0	16.0	*	ug/L		160	32 - 151
1,1-Dichloroethane	10.0	11.1		ug/L		111	66 - 126
1,2-Dichloroethane	10.0	11.6		ug/L		116	66 - 140
1,1-Dichloroethene	10.0	13.0		ug/L		130	59 - 145
trans-1,2-Dichloroethene	10.0	10.2		ug/L		102	70 - 132
1,2-Dichloropropane	10.0	10.6		ug/L		106	72 - 125
cis-1,3-Dichloropropene	10.0	10.1		ug/L		101	60 - 135
trans-1,3-Dichloropropene	10.0	10.1		ug/L		101	63 - 133
Ethylbenzene	10.0	10.2		ug/L		102	68 - 128
2-Hexanone	20.0	24.3		ug/L		122	51 - 130
Methylene Chloride	10.0	10.7		ug/L		107	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	27.3		ug/L		137	56 - 142
Styrene	10.0	10.1		ug/L		101	68 - 133
1,1,2,2-Tetrachloroethane	10.0	9.74		ug/L		97	68 - 134
Tetrachloroethene	10.0	11.3		ug/L		113	61 - 142
Toluene	10.0	10.4		ug/L		104	67 - 130
1,1,1-Trichloroethane	10.0	11.1		ug/L		111	65 - 142
1,1,2-Trichloroethane	10.0	10.8		ug/L		108	68 - 130
Trichloroethene	10.0	11.6		ug/L		116	68 - 130
Vinyl acetate	10.0	15.0		ug/L		150	58 - 175
Vinyl chloride	10.0	12.5		ug/L		125	47 - 146
o-Xylene	10.0	10.1		ug/L		101	68 - 134
m-Xylene & p-Xylene	20.0	19.9		ug/L		100	67 - 132
Xylenes, Total	30.0	30.0		ug/L		100	68 - 132
cis-1,2-Dichloroethene	10.0	10.2		ug/L		102	69 - 129
Bromodichloromethane	10.0	11.1		ug/L		111	73 - 130
1,2-Dichloroethene, Total	20.0	20.4		ug/L		102	65 - 127

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*114*		*70 - 130*
Dibromofluoromethane	*109*		*62 - 130*
4-Bromofluorobenzene	*102*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*113*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 600-43447-11 MS
Matrix: Water
Analysis Batch: 62650

Client Sample ID: MW-71-PRE-SLAB
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	20	U *	400	742	F	ug/L		186	60 - 140
Benzene	1600		200	1870	E 4	ug/L		146	65 - 125
Chlorobromomethane	3.6	U	200	210		ug/L		105	60 - 140
Bromoform	3.8	U	200	179		ug/L		90	60 - 140
Bromomethane	5.0	U	200	172		ug/L		86	60 - 140
2-Butanone (MEK)	15	U	400	518		ug/L		130	60 - 140
Carbon disulfide	10	J	200	262		ug/L		126	60 - 140
Carbon tetrachloride	3.0	U	200	164		ug/L		82	60 - 140
Dibromochloromethane	3.0	U	200	212		ug/L		106	60 - 140
Chlorobenzene	180		200	402		ug/L		109	72 - 122
Chloroethane	1.6	U	200	260		ug/L		130	60 - 140
Chloroform	2.6	U	200	204		ug/L		102	60 - 140
Chloromethane	3.6	U *	200	357	F	ug/L		178	60 - 140
1,1-Dichloroethane	660		200	926		ug/L		134	60 - 140
1,2-Dichloroethane	2.8	U	200	318	F	ug/L		159	60 - 140
1,1-Dichloroethene	3.8	U	200	259		ug/L		129	22 - 143
trans-1,2-Dichloroethene	1.8	U	200	204		ug/L		102	60 - 140
1,2-Dichloropropane	3.2	U	200	202		ug/L		101	60 - 140
cis-1,3-Dichloropropene	3.6	U	200	176		ug/L		88	60 - 140
trans-1,3-Dichloropropene	4.2	U	200	182		ug/L		91	60 - 140
Ethylbenzene	340		200	570		ug/L		116	60 - 140
2-Hexanone	7.0	U	400	534		ug/L		133	60 - 140
Methylene Chloride	11	J B	200	198		ug/L		94	60 - 140
4-Methyl-2-pentanone (MIBK)	9.0	U	400	604	F	ug/L		151	60 - 140
Styrene	1.8	J	200	203		ug/L		101	60 - 140
1,1,2,2-Tetrachloroethane	4.4	U	200	184		ug/L		92	60 - 140
Tetrachloroethene	2.6	U	200	227		ug/L		114	60 - 140
Toluene	67		200	273		ug/L		103	76 - 125
1,1,1-Trichloroethane	3.0	U	200	210		ug/L		105	60 - 140
1,1,2-Trichloroethane	5.6	U	200	201		ug/L		101	60 - 140
Trichloroethene	3.6	U	200	226		ug/L		113	56 - 118
Vinyl acetate	4.2	U	200	231		ug/L		115	60 - 140
Vinyl chloride	130		200	388		ug/L		128	60 - 140
o-Xylene	6.4	J	200	210		ug/L		102	60 - 140
m-Xylene & p-Xylene	14	J	400	419		ug/L		101	60 - 140
Xylenes, Total	20		600	629		ug/L		101	60 - 140
cis-1,2-Dichloroethene	1.2	U	200	203		ug/L		101	60 - 140
Bromodichloromethane	3.2	U	200	188		ug/L		94	60 - 140
1,2-Dichloroethene, Total	6.0	U	400	407		ug/L		102	60 - 140

Surrogate	*MS % Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*107*		*70 - 130*
Dibromofluoromethane	*104*		*62 - 130*
4-Bromofluorobenzene	*89*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*106*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 600-43447-11 MSD
Matrix: Water
Analysis Batch: 62650

Client Sample ID: MW-71-PRE-SLAB
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Acetone	20	U *	400	648	F	ug/L		162	60 - 140	14	30
Benzene	1600		200	1890	E 4	ug/L		157	65 - 125	1	30
Chlorobromomethane	3.6	U	200	224		ug/L		112	60 - 140	7	30
Bromoform	3.8	U	200	210		ug/L		105	60 - 140	16	30
Bromomethane	5.0	U	200	267	F	ug/L		133	60 - 140	43	30
2-Butanone (MEK)	15	U	400	658	F	ug/L		165	60 - 140	24	30
Carbon disulfide	10	J	200	270		ug/L		130	60 - 140	3	30
Carbon tetrachloride	3.0	U	200	234	F	ug/L		117	60 - 140	35	30
Dibromochloromethane	3.0	U	200	257		ug/L		128	60 - 140	19	30
Chlorobenzene	180		200	415		ug/L		116	72 - 122	3	30
Chloroethane	1.6	U	200	291	F	ug/L		145	60 - 140	11	30
Chloroform	2.6	U	200	224		ug/L		112	60 - 140	9	30
Chloromethane	3.6	U *	200	429	F	ug/L		214	60 - 140	18	30
1,1-Dichloroethane	660		200	933		ug/L		137	60 - 140	1	30
1,2-Dichloroethane	2.8	U	200	344	F	ug/L		172	60 - 140	8	30
1,1-Dichloroethene	3.8	U	200	272		ug/L		136	22 - 143	5	30
trans-1,2-Dichloroethene	1.8	U	200	215		ug/L		108	60 - 140	6	30
1,2-Dichloropropane	3.2	U	200	237		ug/L		118	60 - 140	16	30
cis-1,3-Dichloropropene	3.6	U	200	216		ug/L		108	60 - 140	20	30
trans-1,3-Dichloropropene	4.2	U	200	212		ug/L		106	60 - 140	15	30
Ethylbenzene	340		200	578		ug/L		119	60 - 140	1	30
2-Hexanone	7.0	U	400	562	F	ug/L		141	60 - 140	5	30
Methylene Chloride	11	J B	200	197		ug/L		93	60 - 140	1	30
4-Methyl-2-pentanone (MIBK)	9.0	U	400	668	F	ug/L		167	60 - 140	10	30
Styrene	1.8	J	200	225		ug/L		111	60 - 140	10	30
1,1,2,2-Tetrachloroethane	4.4	U	200	198		ug/L		99	60 - 140	7	30
Tetrachloroethene	2.6	U	200	245		ug/L		123	60 - 140	8	30
Toluene	67		200	292		ug/L		113	76 - 125	7	30
1,1,1-Trichloroethane	3.0	U	200	238		ug/L		119	60 - 140	13	30
1,1,2-Trichloroethane	5.6	U	200	234		ug/L		117	60 - 140	15	30
Trichloroethene	3.6	U	200	236		ug/L		118	56 - 118	4	30
Vinyl acetate	4.2	U	200	308	F	ug/L		154	60 - 140	29	30
Vinyl chloride	130		200	404		ug/L		136	60 - 140	4	30
o-Xylene	6.4	J	200	224		ug/L		109	60 - 140	7	30
m-Xylene & p-Xylene	14	J	400	437		ug/L		106	60 - 140	4	30
Xylenes, Total	20		600	661		ug/L		107	60 - 140	5	30
cis-1,2-Dichloroethene	1.2	U	200	213		ug/L		107	60 - 140	5	30
Bromodichloromethane	3.2	U	200	212		ug/L		106	60 - 140	12	30
1,2-Dichloroethene, Total	6.0	U	400	428		ug/L		107	60 - 140	5	30

Surrogate	*MSD % Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*104*		*70 - 130*
Dibromofluoromethane	*105*		*62 - 130*
4-Bromofluorobenzene	*92*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*102*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 600-62686/4
Matrix: Water
Analysis Batch: 62686

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			09/20/11 12:47	1
Benzene	0.080	U	1.0	0.080	ug/L			09/20/11 12:47	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			09/20/11 12:47	1
Bromoform	0.19	U	1.0	0.19	ug/L			09/20/11 12:47	1
Bromomethane	0.25	U	2.0	0.25	ug/L			09/20/11 12:47	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			09/20/11 12:47	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			09/20/11 12:47	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			09/20/11 12:47	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			09/20/11 12:47	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			09/20/11 12:47	1
Chloroethane	0.080	U	2.0	0.080	ug/L			09/20/11 12:47	1
Chloroform	0.13	U	1.0	0.13	ug/L			09/20/11 12:47	1
Chloromethane	0.18	U	2.0	0.18	ug/L			09/20/11 12:47	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			09/20/11 12:47	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			09/20/11 12:47	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			09/20/11 12:47	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			09/20/11 12:47	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			09/20/11 12:47	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			09/20/11 12:47	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			09/20/11 12:47	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			09/20/11 12:47	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			09/20/11 12:47	1
Methylene Chloride	0.378	J	5.0	0.15	ug/L			09/20/11 12:47	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			09/20/11 12:47	1
Styrene	0.070	U	1.0	0.070	ug/L			09/20/11 12:47	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			09/20/11 12:47	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			09/20/11 12:47	1
Toluene	0.15	U	1.0	0.15	ug/L			09/20/11 12:47	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			09/20/11 12:47	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			09/20/11 12:47	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			09/20/11 12:47	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			09/20/11 12:47	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			09/20/11 12:47	1
o-Xylene	0.12	U	1.0	0.12	ug/L			09/20/11 12:47	1
m-Xylene & p-Xylene	0.17	U	1.0	0.17	ug/L			09/20/11 12:47	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			09/20/11 12:47	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			09/20/11 12:47	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			09/20/11 12:47	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			09/20/11 12:47	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*105*		*70 - 130*		*09/20/11 12:47*	*1*
Dibromofluoromethane	*99*		*62 - 130*		*09/20/11 12:47*	*1*
4-Bromofluorobenzene	*89*		*67 - 139*		*09/20/11 12:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*50 - 134*		*09/20/11 12:47*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-62686/3
Matrix: Water
Analysis Batch: 62686

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	20.0	28.1		ug/L		141	28 - 152
Benzene	10.0	10.7		ug/L		107	69 - 131
Chlorobromomethane	10.0	10.7		ug/L		107	60 - 141
Bromoform	10.0	9.38		ug/L		94	39 - 149
Bromomethane	10.0	13.5		ug/L		135	52 - 146
2-Butanone (MEK)	20.0	24.4		ug/L		122	59 - 133
Carbon disulfide	10.0	13.3		ug/L		133	32 - 177
Carbon tetrachloride	10.0	11.9		ug/L		119	59 - 147
Dibromochloromethane	10.0	12.0		ug/L		120	58 - 132
Chlorobenzene	10.0	10.8		ug/L		108	60 - 136
Chloroethane	10.0	13.6		ug/L		136	56 - 144
Chloroform	10.0	11.0		ug/L		110	69 - 128
Chloromethane	10.0	18.1	*	ug/L		181	32 - 151
1,1-Dichloroethane	10.0	11.5		ug/L		115	66 - 126
1,2-Dichloroethane	10.0	12.6		ug/L		126	66 - 140
1,1-Dichloroethene	10.0	13.6		ug/L		136	59 - 145
trans-1,2-Dichloroethene	10.0	10.7		ug/L		107	70 - 132
1,2-Dichloropropane	10.0	11.5		ug/L		115	72 - 125
cis-1,3-Dichloropropene	10.0	10.6		ug/L		106	60 - 135
trans-1,3-Dichloropropene	10.0	10.4		ug/L		104	63 - 133
Ethylbenzene	10.0	10.4		ug/L		104	68 - 128
2-Hexanone	20.0	22.3		ug/L		111	51 - 130
Methylene Chloride	10.0	9.83		ug/L		98	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	28.0		ug/L		140	56 - 142
Styrene	10.0	10.5		ug/L		105	68 - 133
1,1,2,2-Tetrachloroethane	10.0	10.4		ug/L		104	68 - 134
Tetrachloroethene	10.0	11.1		ug/L		111	61 - 142
Toluene	10.0	10.7		ug/L		107	67 - 130
1,1,1-Trichloroethane	10.0	11.5		ug/L		115	65 - 142
1,1,2-Trichloroethane	10.0	10.8		ug/L		108	68 - 130
Trichloroethene	10.0	11.7		ug/L		117	68 - 130
Vinyl acetate	10.0	16.3		ug/L		163	58 - 175
Vinyl chloride	10.0	12.8		ug/L		128	47 - 146
o-Xylene	10.0	10.4		ug/L		104	68 - 134
m-Xylene & p-Xylene	20.0	20.9		ug/L		104	67 - 132
Xylenes, Total	30.0	31.3		ug/L		104	68 - 132
cis-1,2-Dichloroethene	10.0	11.1		ug/L		111	69 - 129
Bromodichloromethane	10.0	11.3		ug/L		113	73 - 130
1,2-Dichloroethene, Total	20.0	21.8		ug/L		109	65 - 127

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*112*		*70 - 130*
Dibromofluoromethane	*111*		*62 - 130*
4-Bromofluorobenzene	*101*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*108*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 600-43447-4 MS
Matrix: Water
Analysis Batch: 62686

Client Sample ID: MW-40-LF-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	250		5000	10400	F	ug/L		209	60 - 140
Benzene	160		2500	2600		ug/L		98	65 - 125
Chlorobromomethane	45		2500	2610		ug/L		104	60 - 140
Bromoform	48		2500	2190		ug/L		88	60 - 140
Bromomethane	63		2500	2020		ug/L		81	60 - 140
2-Butanone (MEK)	190		5000	9740	F	ug/L		195	60 - 140
Carbon disulfide	60		2500	3180		ug/L		127	60 - 140
Carbon tetrachloride	38		2500	2340		ug/L		94	60 - 140
Dibromochloromethane	38		2500	2670		ug/L		107	60 - 140
Chlorobenzene	540		2500	3180		ug/L		106	72 - 122
Chloroethane	20		2500	3480		ug/L		139	60 - 140
Chloroform	33		2500	2580		ug/L		103	60 - 140
Chloromethane	45		2500	3730	F	ug/L		149	60 - 140
1,1-Dichloroethane	740		2500	3460		ug/L		109	60 - 140
1,2-Dichloroethane	35		2500	2900		ug/L		116	60 - 140
1,1-Dichloroethene	48		2500	3430		ug/L		137	22 - 143
trans-1,2-Dichloroethene	23		2500	2510		ug/L		101	60 - 140
1,2-Dichloropropane	40		2500	2790		ug/L		111	60 - 140
cis-1,3-Dichloropropene	45		2500	2140		ug/L		86	60 - 140
trans-1,3-Dichloropropene	53		2500	2130		ug/L		85	60 - 140
Ethylbenzene	150		2500	2670		ug/L		101	60 - 140
2-Hexanone	88		5000	6390		ug/L		128	60 - 140
Methylene Chloride	38		2500	2410		ug/L		97	60 - 140
4-Methyl-2-pentanone (MIBK)	110		5000	7400	F	ug/L		148	60 - 140
Styrene	27		2500	2650		ug/L		105	60 - 140
1,1,2,2-Tetrachloroethane	55		2500	2200		ug/L		88	60 - 140
Tetrachloroethene	33		2500	2870		ug/L		115	60 - 140
Toluene	45		2500	2660		ug/L		105	76 - 125
1,1,1-Trichloroethane	38		2500	2750		ug/L		110	60 - 140
1,1,2-Trichloroethane	70		2500	2720		ug/L		109	60 - 140
Trichloroethene	45		2500	2760		ug/L		111	56 - 118
Vinyl acetate	53		2500	2710		ug/L		109	60 - 140
Vinyl chloride	6200		2500	8840		ug/L		107	60 - 140
o-Xylene	30		2500	2620		ug/L		105	60 - 140
m-Xylene & p-Xylene	43		5000	5310		ug/L		106	60 - 140
Xylenes, Total	65		7500	7930		ug/L		106	60 - 140
cis-1,2-Dichloroethene	15		2500	2550		ug/L		102	60 - 140
Bromodichloromethane	40		2500	2450		ug/L		98	60 - 140
1,2-Dichloroethene, Total	75		5000	5060		ug/L		101	60 - 140

Surrogate	*MS % Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*106*		*70 - 130*
Dibromofluoromethane	*98*		*62 - 130*
4-Bromofluorobenzene	*91*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*102*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 600-43447-4 MSD
Matrix: Water
Analysis Batch: 62686

Client Sample ID: MW-40-LF-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Acetone	250		5000	11000	F	ug/L		220	60 - 140	5	30
Benzene	160		2500	2770		ug/L		104	65 - 125	6	30
Chlorobromomethane	45		2500	2840		ug/L		114	60 - 140	9	30
Bromoform	48		2500	2400		ug/L		96	60 - 140	9	30
Bromomethane	63		2500	2390		ug/L		96	60 - 140	17	30
2-Butanone (MEK)	190		5000	8980	F	ug/L		180	60 - 140	8	30
Carbon disulfide	60		2500	3410		ug/L		137	60 - 140	7	30
Carbon tetrachloride	38		2500	2450		ug/L		98	60 - 140	5	30
Dibromochloromethane	38		2500	2800		ug/L		112	60 - 140	5	30
Chlorobenzene	540		2500	3340		ug/L		112	72 - 122	5	30
Chloroethane	20		2500	3620	F	ug/L		145	60 - 140	4	30
Chloroform	33		2500	2700		ug/L		108	60 - 140	5	30
Chloromethane	45		2500	4410	F	ug/L		176	60 - 140	17	30
1,1-Dichloroethane	740		2500	3680		ug/L		118	60 - 140	6	30
1,2-Dichloroethane	35		2500	3190		ug/L		127	60 - 140	9	30
1,1-Dichloroethene	48		2500	3540		ug/L		142	22 - 143	3	30
trans-1,2-Dichloroethene	23		2500	2770		ug/L		111	60 - 140	10	30
1,2-Dichloropropane	40		2500	2970		ug/L		119	60 - 140	6	30
cis-1,3-Dichloropropene	45		2500	2400		ug/L		96	60 - 140	11	30
trans-1,3-Dichloropropene	53		2500	2500		ug/L		100	60 - 140	16	30
Ethylbenzene	150		2500	2940		ug/L		112	60 - 140	10	30
2-Hexanone	88		5000	7380	F	ug/L		148	60 - 140	14	30
Methylene Chloride	38		2500	2640		ug/L		105	60 - 140	9	30
4-Methyl-2-pentanone (MIBK)	110		5000	7510	F	ug/L		150	60 - 140	2	30
Styrene	27		2500	2750		ug/L		109	60 - 140	4	30
1,1,2,2-Tetrachloroethane	55		2500	2360		ug/L		94	60 - 140	7	30
Tetrachloroethene	33		2500	3010		ug/L		121	60 - 140	5	30
Toluene	45		2500	2800		ug/L		110	76 - 125	5	30
1,1,1-Trichloroethane	38		2500	2920		ug/L		117	60 - 140	6	30
1,1,2-Trichloroethane	70		2500	2710		ug/L		108	60 - 140	0	30
Trichloroethene	45		2500	3080	F	ug/L		123	56 - 118	11	30
Vinyl acetate	53		2500	3130		ug/L		125	60 - 140	14	30
Vinyl chloride	6200		2500	9270		ug/L		124	60 - 140	5	30
o-Xylene	30		2500	2680		ug/L		107	60 - 140	2	30
m-Xylene & p-Xylene	43		5000	5490		ug/L		110	60 - 140	3	30
Xylenes, Total	65		7500	8170		ug/L		109	60 - 140	3	30
cis-1,2-Dichloroethene	15		2500	2840		ug/L		114	60 - 140	11	30
Bromodichloromethane	40		2500	2560		ug/L		103	60 - 140	5	30
1,2-Dichloroethene, Total	75		5000	5610		ug/L		112	60 - 140	10	30

Surrogate	*MSD % Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*104*		*70 - 130*
Dibromofluoromethane	*99*		*62 - 130*
4-Bromofluorobenzene	*91*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*105*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 600-62770/4
Matrix: Water
Analysis Batch: 62770

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.99	U	5.0	0.99	ug/L			09/21/11 14:30	1
Benzene	0.080	U	1.0	0.080	ug/L			09/21/11 14:30	1
Chlorobromomethane	0.18	U	1.0	0.18	ug/L			09/21/11 14:30	1
Bromoform	0.19	U	1.0	0.19	ug/L			09/21/11 14:30	1
Bromomethane	0.25	U	2.0	0.25	ug/L			09/21/11 14:30	1
2-Butanone (MEK)	0.76	U	2.0	0.76	ug/L			09/21/11 14:30	1
Carbon disulfide	0.24	U	2.0	0.24	ug/L			09/21/11 14:30	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/L			09/21/11 14:30	1
Dibromochloromethane	0.15	U	1.0	0.15	ug/L			09/21/11 14:30	1
Chlorobenzene	0.12	U	1.0	0.12	ug/L			09/21/11 14:30	1
Chloroethane	0.080	U	2.0	0.080	ug/L			09/21/11 14:30	1
Chloroform	0.13	U	1.0	0.13	ug/L			09/21/11 14:30	1
Chloromethane	0.18	U	2.0	0.18	ug/L			09/21/11 14:30	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/L			09/21/11 14:30	1
1,2-Dichloroethane	0.14	U	1.0	0.14	ug/L			09/21/11 14:30	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			09/21/11 14:30	1
trans-1,2-Dichloroethene	0.090	U	1.0	0.090	ug/L			09/21/11 14:30	1
1,2-Dichloropropane	0.16	U	1.0	0.16	ug/L			09/21/11 14:30	1
cis-1,3-Dichloropropene	0.18	U	1.0	0.18	ug/L			09/21/11 14:30	1
trans-1,3-Dichloropropene	0.21	U	1.0	0.21	ug/L			09/21/11 14:30	1
Ethylbenzene	0.358	J	1.0	0.11	ug/L			09/21/11 14:30	1
2-Hexanone	0.35	U	2.0	0.35	ug/L			09/21/11 14:30	1
Methylene Chloride	0.928	J	5.0	0.15	ug/L			09/21/11 14:30	1
4-Methyl-2-pentanone (MIBK)	0.45	U	2.0	0.45	ug/L			09/21/11 14:30	1
Styrene	0.070	U	1.0	0.070	ug/L			09/21/11 14:30	1
1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22	ug/L			09/21/11 14:30	1
Tetrachloroethene	0.13	U	1.0	0.13	ug/L			09/21/11 14:30	1
Toluene	0.261	J	1.0	0.15	ug/L			09/21/11 14:30	1
1,1,1-Trichloroethane	0.15	U	1.0	0.15	ug/L			09/21/11 14:30	1
1,1,2-Trichloroethane	0.28	U	1.0	0.28	ug/L			09/21/11 14:30	1
Trichloroethene	0.18	U	1.0	0.18	ug/L			09/21/11 14:30	1
Vinyl acetate	0.21	U	2.0	0.21	ug/L			09/21/11 14:30	1
Vinyl chloride	0.11	U	2.0	0.11	ug/L			09/21/11 14:30	1
o-Xylene	0.12	U	1.0	0.12	ug/L			09/21/11 14:30	1
m-Xylene & p-Xylene	0.246	J	1.0	0.17	ug/L			09/21/11 14:30	1
Xylenes, Total	0.26	U	1.0	0.26	ug/L			09/21/11 14:30	1
cis-1,2-Dichloroethene	0.060	U	1.0	0.060	ug/L			09/21/11 14:30	1
Bromodichloromethane	0.16	U	1.0	0.16	ug/L			09/21/11 14:30	1
1,2-Dichloroethene, Total	0.30	U	1.0	0.30	ug/L			09/21/11 14:30	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*70 - 130*		*09/21/11 14:30*	*1*
Dibromofluoromethane	*94*		*62 - 130*		*09/21/11 14:30*	*1*
4-Bromofluorobenzene	*90*		*67 - 139*		*09/21/11 14:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*50 - 134*		*09/21/11 14:30*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-62770/3
Matrix: Water
Analysis Batch: 62770

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	20.0	27.1		ug/L		135	28 - 152
Benzene	10.0	9.55		ug/L		96	69 - 131
Chlorobromomethane	10.0	10.5		ug/L		105	60 - 141
Bromoform	10.0	8.67		ug/L		87	39 - 149
Bromomethane	10.0	11.6		ug/L		116	52 - 146
2-Butanone (MEK)	20.0	21.1		ug/L		105	59 - 133
Carbon disulfide	10.0	10.2		ug/L		102	32 - 177
Carbon tetrachloride	10.0	10.4		ug/L		104	59 - 147
Dibromochloromethane	10.0	10.9		ug/L		109	58 - 132
Chlorobenzene	10.0	10.3		ug/L		103	60 - 136
Chloroethane	10.0	10.3		ug/L		103	56 - 144
Chloroform	10.0	9.90		ug/L		99	69 - 128
Chloromethane	10.0	12.7		ug/L		127	32 - 151
1,1-Dichloroethane	10.0	10.1		ug/L		101	66 - 126
1,2-Dichloroethane	10.0	10.4		ug/L		104	66 - 140
1,1-Dichloroethene	10.0	11.2		ug/L		112	59 - 145
trans-1,2-Dichloroethene	10.0	9.76		ug/L		98	70 - 132
1,2-Dichloropropane	10.0	10.4		ug/L		104	72 - 125
cis-1,3-Dichloropropene	10.0	9.52		ug/L		95	60 - 135
trans-1,3-Dichloropropene	10.0	9.83		ug/L		98	63 - 133
Ethylbenzene	10.0	10.6		ug/L		106	68 - 128
2-Hexanone	20.0	18.5		ug/L		92	51 - 130
Methylene Chloride	10.0	10.2		ug/L		102	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	24.3		ug/L		121	56 - 142
Styrene	10.0	9.99		ug/L		100	68 - 133
1,1,2,2-Tetrachloroethane	10.0	8.94		ug/L		89	68 - 134
Tetrachloroethene	10.0	10.9		ug/L		109	61 - 142
Toluene	10.0	10.8		ug/L		108	67 - 130
1,1,1-Trichloroethane	10.0	10.3		ug/L		103	65 - 142
1,1,2-Trichloroethane	10.0	10.6		ug/L		106	68 - 130
Trichloroethene	10.0	11.1		ug/L		111	68 - 130
Vinyl acetate	10.0	12.7		ug/L		127	58 - 175
Vinyl chloride	10.0	10.0		ug/L		100	47 - 146
o-Xylene	10.0	9.97		ug/L		100	68 - 134
m-Xylene & p-Xylene	20.0	20.8		ug/L		104	67 - 132
Xylenes, Total	30.0	30.8		ug/L		103	68 - 132
cis-1,2-Dichloroethene	10.0	9.75		ug/L		98	69 - 129
Bromodichloromethane	10.0	9.38		ug/L		94	73 - 130
1,2-Dichloroethene, Total	20.0	19.5		ug/L		98	65 - 127

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*109*		*70 - 130*
Dibromofluoromethane	*107*		*62 - 130*
4-Bromofluorobenzene	*95*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*100*		*50 - 134*

QC Association Summary

Client: Groundwater Services, Inc.
Project/Site: N-80

TestAmerica Job ID: 600-43447-1

GC/MS VOA

Analysis Batch: 62650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-43447-1	MW-71-LF-1	Total/NA	Water	8260B	
600-43447-2	MW-8-LF-1	Total/NA	Water	8260B	
600-43447-3	MW-11-LF-1	Total/NA	Water	8260B	
600-43447-4	MW-40-LF-1	Total/NA	Water	8260B	
600-43447-5	MW-66-LF-1	Total/NA	Water	8260B	
600-43447-6	MW-68-LF-1	Total/NA	Water	8260B	
600-43447-7	MW-4-LF-1	Total/NA	Water	8260B	
600-43447-8	MW-65-LF-1	Total/NA	Water	8260B	
600-43447-9	DUP-1	Total/NA	Water	8260B	
600-43447-10	TRIP BLANK	Total/NA	Water	8260B	
600-43447-11 - DL	MW-71-PRE-SLAB	Total/NA	Water	8260B	
600-43447-11	MW-71-PRE-SLAB	Total/NA	Water	8260B	
600-43447-11 MS	MW-71-PRE-SLAB	Total/NA	Water	8260B	
600-43447-11 MSD	MW-71-PRE-SLAB	Total/NA	Water	8260B	
600-43447-13	MW-11-PRE-SLAB	Total/NA	Water	8260B	
600-43447-14	MW-40-PRE-SLAB	Total/NA	Water	8260B	
600-43447-15	MW-66-PRE-SLAB	Total/NA	Water	8260B	
600-43447-16	MW-68-PRE-SLAB	Total/NA	Water	8260B	
600-43447-17	MW-4-PRE-SLAB	Total/NA	Water	8260B	
600-43447-18	MW-65-PRE-SLAB	Total/NA	Water	8260B	
LCS 600-62650/3	Lab Control Sample	Total/NA	Water	8260B	
MB 600-62650/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 62686

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-43447-2 - DL	MW-8-LF-1	Total/NA	Water	8260B	
600-43447-3 - DL	MW-11-LF-1	Total/NA	Water	8260B	
600-43447-4 - DL	MW-40-LF-1	Total/NA	Water	8260B	
600-43447-4 MS	MW-40-LF-1	Total/NA	Water	8260B	
600-43447-4 MSD	MW-40-LF-1	Total/NA	Water	8260B	
600-43447-5 - DL	MW-66-LF-1	Total/NA	Water	8260B	
600-43447-6 - DL	MW-68-LF-1	Total/NA	Water	8260B	
600-43447-7 - DL	MW-4-LF-1	Total/NA	Water	8260B	
600-43447-7 - DL2	MW-4-LF-1	Total/NA	Water	8260B	
600-43447-8 - DL	MW-65-LF-1	Total/NA	Water	8260B	
600-43447-9 - DL	DUP-1	Total/NA	Water	8260B	
600-43447-12 - DL	MW-8-PRE-SLAB	Total/NA	Water	8260B	
600-43447-12	MW-8-PRE-SLAB	Total/NA	Water	8260B	
600-43447-13 - DL	MW-11-PRE-SLAB	Total/NA	Water	8260B	
600-43447-14 - DL	MW-40-PRE-SLAB	Total/NA	Water	8260B	
600-43447-15 - DL	MW-66-PRE-SLAB	Total/NA	Water	8260B	
600-43447-16 - DL	MW-68-PRE-SLAB	Total/NA	Water	8260B	
600-43447-17 - DL	MW-4-PRE-SLAB	Total/NA	Water	8260B	
600-43447-17 - DL2	MW-4-PRE-SLAB	Total/NA	Water	8260B	
LCS 600-62686/3	Lab Control Sample	Total/NA	Water	8260B	
MB 600-62686/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 62770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-43447-18 - DL	MW-65-PRE-SLAB	Total/NA	Water	8260B	
LCS 600-62770/3	Lab Control Sample	Total/NA	Water	8260B	
MB 600-62770/4	Method Blank	Total/NA	Water	8260B	

Lab Chronicle

Client: Groundwater Services, Inc.
Project/Site: N-80

TestAmerica Job ID: 600-43447-1

Client Sample ID: MW-71-LF-1 — Lab Sample ID: 600-43447-1

Date Collected: 09/15/11 10:20 — **Matrix: Water**
Date Received: 09/16/11 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		100	62650	09/19/11 18:33	KLV	TAL HOU

Client Sample ID: MW-8-LF-1 — Lab Sample ID: 600-43447-2

Date Collected: 09/15/11 11:31 — **Matrix: Water**
Date Received: 09/16/11 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		100	62650	09/19/11 18:58	KLV	TAL HOU
Total/NA	Analysis	8260B	DL	1000	62686	09/20/11 16:40	KLV	TAL HOU

Client Sample ID: MW-11-LF-1 — Lab Sample ID: 600-43447-3

Date Collected: 09/15/11 12:10 — **Matrix: Water**
Date Received: 09/16/11 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		100	62650	09/19/11 19:24	KLV	TAL HOU
Total/NA	Analysis	8260B	DL	5000	62686	09/20/11 17:06	KLV	TAL HOU

Client Sample ID: MW-40-LF-1 — Lab Sample ID: 600-43447-4

Date Collected: 09/15/11 12:46 — **Matrix: Water**
Date Received: 09/16/11 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		100	62650	09/19/11 19:50	KLV	TAL HOU
Total/NA	Analysis	8260B	DL	250	62686	09/20/11 14:31	KLV	TAL HOU

Client Sample ID: MW-66-LF-1 — Lab Sample ID: 600-43447-5

Date Collected: 09/15/11 14:40 — **Matrix: Water**
Date Received: 09/16/11 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		200	62650	09/19/11 22:24	KLV	TAL HOU
Total/NA	Analysis	8260B	DL	10000	62686	09/20/11 17:31	KLV	TAL HOU

Client Sample ID: MW-68-LF-1 — Lab Sample ID: 600-43447-6

Date Collected: 09/15/11 15:18 — **Matrix: Water**
Date Received: 09/16/11 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		100	62650	09/19/11 20:16	KLV	TAL HOU
Total/NA	Analysis	8260B	DL	500	62686	09/20/11 14:57	KLV	TAL HOU

Lab Chronicle

Client: Groundwater Services, Inc.
Project/Site: N-80

TestAmerica Job ID: 600-43447-1

Client Sample ID: MW-4-LF-1 — Lab Sample ID: 600-43447-7

Date Collected: 09/15/11 15:55 — **Matrix: Water**
Date Received: 09/16/11 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		100	62650	09/19/11 20:41	KLV	TAL HOU
Total/NA	Analysis	8260B	DL	1000	62686	09/20/11 20:06	KLV	TAL HOU
Total/NA	Analysis	8260B	DL2	20000	62686	09/20/11 20:31	KLV	TAL HOU

Client Sample ID: MW-65-LF-1 — Lab Sample ID: 600-43447-8

Date Collected: 09/15/11 16:30 — **Matrix: Water**
Date Received: 09/16/11 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		200	62650	09/19/11 22:50	KLV	TAL HOU
Total/NA	Analysis	8260B	DL	20000	62686	09/20/11 18:48	KLV	TAL HOU

Client Sample ID: DUP-1 — Lab Sample ID: 600-43447-9

Date Collected: 09/15/11 00:00 — **Matrix: Water**
Date Received: 09/16/11 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		200	62650	09/19/11 23:16	KLV	TAL HOU
Total/NA	Analysis	8260B	DL	10000	62686	09/20/11 17:57	KLV	TAL HOU

Client Sample ID: TRIP BLANK — Lab Sample ID: 600-43447-10

Date Collected: 09/15/11 00:00 — **Matrix: Water**
Date Received: 09/16/11 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	62650	09/19/11 15:12	KLV	TAL HOU

Client Sample ID: MW-71-PRE-SLAB — Lab Sample ID: 600-43447-11

Date Collected: 09/15/11 10:20 — **Matrix: Water**
Date Received: 09/16/11 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	100	62650	09/19/11 18:07	KLV	TAL HOU
Total/NA	Analysis	8260B		20	62650	09/19/11 16:49	KLV	TAL HOU

Client Sample ID: MW-8-PRE-SLAB — Lab Sample ID: 600-43447-12

Date Collected: 09/15/11 10:58 — **Matrix: Water**
Date Received: 09/16/11 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	500	62686	09/20/11 15:22	KLV	TAL HOU
Total/NA	Analysis	8260B		100	62686	09/20/11 13:13	KLV	TAL HOU

Client Sample ID: MW-11-PRE-SLAB — Lab Sample ID: 600-43447-13

Date Collected: 09/15/11 11:50 — **Matrix: Water**
Date Received: 09/16/11 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		200	62650	09/20/11 00:33	KLV	TAL HOU
Total/NA	Analysis	8260B	DL	20000	62686	09/20/11 19:14	KLV	TAL HOU

Client Sample ID: MW-40-PRE-SLAB — Lab Sample ID: 600-43447-14

Date Collected: 09/15/11 12:30 — **Matrix: Water**
Date Received: 09/16/11 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		100	62650	09/19/11 21:33	KLV	TAL HOU
Total/NA	Analysis	8260B	DL	500	62686	09/20/11 15:48	KLV	TAL HOU

Client Sample ID: MW-66-PRE-SLAB — Lab Sample ID: 600-43447-15

Date Collected: 09/15/11 14:40 — **Matrix: Water**
Date Received: 09/16/11 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		200	62650	09/19/11 23:41	KLV	TAL HOU
Total/NA	Analysis	8260B	DL	10000	62686	09/20/11 18:23	KLV	TAL HOU

Client Sample ID: MW-68-PRE-SLAB — Lab Sample ID: 600-43447-16

Date Collected: 09/15/11 15:00 — **Matrix: Water**
Date Received: 09/16/11 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		100	62650	09/19/11 21:58	KLV	TAL HOU
Total/NA	Analysis	8260B	DL	500	62686	09/20/11 16:14	KLV	TAL HOU

Client Sample ID: MW-4-PRE-SLAB — Lab Sample ID: 600-43447-17

Date Collected: 09/15/11 15:40 — **Matrix: Water**
Date Received: 09/16/11 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		200	62650	09/20/11 00:07	KLV	TAL HOU
Total/NA	Analysis	8260B	DL	2000	62686	09/20/11 20:57	KLV	TAL HOU
Total/NA	Analysis	8260B	DL2	20000	62686	09/20/11 21:23	KLV	TAL HOU

Client Sample ID: MW-65-PRE-SLAB — Lab Sample ID: 600-43447-18

Date Collected: 09/15/11 16:15 — **Matrix: Water**
Date Received: 09/16/11 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		200	62650	09/20/11 00:59	KLV	TAL HOU
Total/NA	Analysis	8260B	DL	10000	62770	09/21/11 16:14	KLV	TAL HOU

Lab Chronicle

Client: Groundwater Services, Inc.
Project/Site: N-80

TestAmerica Job ID: 600-43447-1

Laboratory References:
TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Certification Summary

Client: Groundwater Services, Inc.
Project/Site: N-80

TestAmerica Job ID: 600-43447-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Houston	Arkansas	State Program	6	88-0759
TestAmerica Houston	Louisiana	NELAC	6	30643
TestAmerica Houston	Oklahoma	State Program	6	9503
TestAmerica Houston	Texas	NELAC	6	T104704223-10-6-TX
TestAmerica Houston	USDA	USDA		P330-08-00217
TestAmerica Houston	Utah	NELAC	8	GULF

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: Groundwater Services, Inc.
Project/Site: N-80

TestAmerica Job ID: 600-43447-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL HOU

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Sample Summary

Client: Groundwater Services, Inc.
Project/Site: N-80

TestAmerica Job ID: 600-43447-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
600-43447-1	MW-71-LF-1	Water	09/15/11 10:20	09/16/11 11:24
600-43447-2	MW-8-LF-1	Water	09/15/11 11:31	09/16/11 11:24
600-43447-3	MW-11-LF-1	Water	09/15/11 12:10	09/16/11 11:24
600-43447-4	MW-40-LF-1	Water	09/15/11 12:46	09/16/11 11:24
600-43447-5	MW-66-LF-1	Water	09/15/11 14:40	09/16/11 11:24
600-43447-6	MW-68-LF-1	Water	09/15/11 15:18	09/16/11 11:24
600-43447-7	MW-4-LF-1	Water	09/15/11 15:55	09/16/11 11:24
600-43447-8	MW-65-LF-1	Water	09/15/11 16:30	09/16/11 11:24
600-43447-9	DUP-1	Water	09/15/11 00:00	09/16/11 11:24
600-43447-10	TRIP BLANK	Water	09/15/11 00:00	09/16/11 11:24
600-43447-11	MW-71-PRE-SLAB	Water	09/15/11 10:20	09/16/11 11:24
600-43447-12	MW-8-PRE-SLAB	Water	09/15/11 10:58	09/16/11 11:24
600-43447-13	MW-11-PRE-SLAB	Water	09/15/11 11:50	09/16/11 11:24
600-43447-14	MW-40-PRE-SLAB	Water	09/15/11 12:30	09/16/11 11:24
600-43447-15	MW-66-PRE-SLAB	Water	09/15/11 14:40	09/16/11 11:24
600-43447-16	MW-68-PRE-SLAB	Water	09/15/11 15:00	09/16/11 11:24
600-43447-17	MW-4-PRE-SLAB	Water	09/15/11 15:40	09/16/11 11:24
600-43447-18	MW-65-PRE-SLAB	Water	09/15/11 16:15	09/16/11 11:24

merica Houston
6310 Rothway Street
Houston, TX 77040
Phone (713) 690-4444 Fax (713) 690-5646

Chain of Custody Record

Loc: 600
43447

Client Information			
Sampler: Kelt, BJB	Lab PM: Kudchadkar, Sachin G	Carrier Tracking No(s):	COC No: 600-11558-5028.1
Client Contact: Ms. Kate ~~Chamel~~ HAMEL	Phone: 713.582.6300	E-Mail: sachin.kudchadkar@testamericainc.com	Page: Page 1 of 2
Company: Groundwater Services, Inc.			Job #: 3380
Address: 2211 Norfolk, Suite 1000	Due Date Requested:		
City: Houston	TAT Requested (days): Standard (10)		
State, Zip: TX, 77098-4044			
Phone: 713-522-6300(Tel)	PO #: Purchase Order not requir		
Email: kchamel@gsi-net.com, temo@gsi-net.com	WO #: G-3380		
Project Name: Analytical	Project #: 60002425		
Site: N-80	SSOW#:		

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B_LL - Target Compund List	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
MW-71-LF-1	9/15/11	1020	G	Water	N	N	✓		
MW-8-LF-1		1131		Water			✓		
MW-11-LF-1		1210		Water			✓		
MW-40-LF-1		1246		Water			✓		
MW-66-LF-1		1440		Water			✓		
MW-68-LF-1		1518		Water			✓		
MW-4-LF-1		1555		Water			✓		
MW-65-LF-1		1630		Water			✓		
DUP-1		—		Water			✓		
TRIP BLANK		—		Water	N	N	✓		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) STANDARD QA/QC.

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by:	Date/Time: 9/15/11 18:15	Company: GSI	Received by:	Date/Time: 9/16/11 1018	Company: TA
Relinquished by:	Date/Time: 9/16/11 1124	Company: TA	Received by:	Date/Time: 9/16/11 1125	Company:
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks:

TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Phone (713) 690-4444 Fax (713) 690-5646

Chain of Custody Record

Client Information	Sampler: Kath BJB	Lab PM: Kudchadkar, Sachin G	Carrier Tracking No(s):	COC No: 600-11558-5028.1
Client Contact: Ms. Kate Chamel	Phone: 713-522-6300	E-Mail: sachin.kudchadkar@testamericainc.com		Page: Page 2 of 2
Company: Groundwater Services, Inc.				Job #: 3380
Address: 2211 Norfolk, Suite 1000	Due Date Requested:			
City: Houston	TAT Requested (days): STANDARD (10)			
State, Zip: TX, 77098-4044				
Phone: 713-522-6300(Tel)	PO #: Purchase Order not requir			
Email: kchamel@gsi-net.com, tem@gsi-net.com	WO #: G-3380			
Project Name: Analytical	Project #: 60002425			
Site: N-80	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B_LL - Target Compound List	Total Number of containers	Special Instructions/Note:
			Preservation Code:	HCL			A		
MW-71-pre-stab	9/15/11	1020	G	Water	N	Y	✓		
MW-8-pre-stab		1058		Water			✓		
MW-11-pre-stab		1150		Water			✓		
MW-40-pre-stab		1230		Water			✓		
MW-66-pre-stab		1440		Water			✓		
MW-68-pre-stab		1500		Water			✓		
MW-4-pre-stab		1540		Water			✓		
MW-65-pre-stab		1615		Water			✓		
				Water					
				Water					

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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Relinquished by:	Date/Time: 9/15/11 18:15	Company: GSI	Received by:	Date/Time: 9/16/11 1018	Company: TA
Relinquished by:	Date/Time: 9/16/11 1124	Company: TA	Received by:	Date/Time: 9/16/11 1124	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks:

Login Sample Receipt Checklist

Client: Groundwater Services, Inc.

Job Number: 600-43447-1

Login Number: 43447
List Number: 1
Creator: Roberts, Kenneth

List Source: TestAmerica Houston

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	