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November 18, 2015

Mr. Jason Metzger
Georgia Department of Natural Resources
Response and Remediation Program
2 Martin Luther King, Jr. Drive, S.E.
Suite 1054 East Tower
Atlanta, Georgia 30334-9000
404-463-0530

Subject: **Third VIRP Semi-annual Progress Report**
Former McKenzie Tank Lines Site
HSI Site No. 10406
111 Grange Road, Port Wentworth, Georgia
Tax Parcels: 1-0729-01-007 and 1-0729-01-009

Dear Mr. Metzger:

On behalf of McKenzie Tank Lines, Inc. (MTL), Environmental International Corporation (EIC) is pleased to submit the attached Third VIRP Semi-annual Progress Report for the above referenced site.

Enclosed are the following:

1. One signed and sealed certification page for the report.
2. One bound paper copy of the report.
3. Two Compact Discs, each with the report in searchable PDF format.

If you have any questions regarding this submittal, please contact Mr. Thomas F. Panebianco of MTL at 1-800-828-6495 or me at the above location.

Sincerely,

ENVIRONMENTAL INTERNATIONAL CORPORATION

Alan Sanders

Alan Sanders, P.G., Associate

On behalf of:

Raj Mahadevaiah, P.E., C.G.W.P.
President & CEO

Cc: Thomas F. Panebianco, McKenzie Tank Lines
Christopher Novack, Georgia Ports Authority

HSI SITE 10406, FORMER MCKENZIE TANK LINES SITE

THIRD VIRP SEMI-ANNUAL PROGRESS REPORT

11/18/2015

Submitted To:

GEORGIA ENVIRONMENTAL PROTECTION DIVISION

Georgia Department of Natural Resources

Response and Remediation Program

Suite 1462 East Tower
2 Martin Luther King Jr. Drive, S.E.
Atlanta, Georgia 30334

Prepared for:

MCKENZIE TANK LINES, INC.

1966 Commonwealth Lane
Tallahassee, FL 32304

Submitted with the consent of:

GEORGIA PORTS AUTHORITY

PO Box 2406
Savannah, Georgia 31402

Prepared by:

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CERTIFICATION AND SUPPORTING DOCUMENTATIONS
Third VIRP Semi-annual Progress Report
Former McKenzie Tank Lines Site, Port Wentworth, Georgia
HSI Site No. 10406
November 18, 2015

"I certify under penalty of law that the accompanying report referenced above and all attachments were prepared by me or under my direct supervision in accordance with the Voluntary Remediation Program Act (O.C.G.A. Section 12-8-101, et seq.). I am a professional engineer who is registered with the Georgia State Board of Registration for Professional Engineers and Land Surveyors/Georgia State Board of Registration for Professional Geologists and I have the necessary experience and am in charge of the investigation and remediation of this release of regulated substances.

Furthermore, to document my direct oversight of the Voluntary Investigation and Remediation Plan (VIRP) development, implementation of corrective action, and long term monitoring, I have attached a monthly summary of hours invoiced and description of services provided by me to the Voluntary Remediation Program participant since the previous submittal to the Georgia Environmental Protection Division.

The information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Basavaraj Mahadevaiah, GA PE No. 23198
Environmental International Corporation
770-772-7100, ext. 223

11/18/15
Date

Signature and Stamp

GEORGIA REGISTERED No. 23198 PROFESSIONAL ENGINEER BASAVARAJ MAHADEVAIAH

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SECTION

1

1.0 Introduction

On behalf of McKenzie Tank Lines, Inc. (MTL), Environmental International Corporation (EIC) is pleased to submit this "Third VIRP Semi-annual Progress Report" to Georgia Environmental Protection Division (EPD) to chronicle project activities concerning the former MTL site, HSI site 10406, located at 111 Grange Road, Land Lot 30, Tax Parcel IDs 1-0729-01-007 and 1-0729-01-009, Port Wentworth, Georgia, (site). This report was prepared as specified in the January, 29, 2014 "Voluntary Investigation and Remediation Plan (VIRP) Application" that was approved by the EPD on May 20, 2014 under the Voluntary Remediation Program (VRP) (EIC, 2014a).

1.1 Primary Objective

The primary objective of this report is to chronicle the tasks completed by MTL during the six-month time frame that covers the period from May 2015 through October 2015. This report documents the following tasks:

- Follow-up responses to July 16, 2015 EPD Comment letter
- Expansion of groundwater monitoring well network
- First semi-annual groundwater monitoring event
- Post-excavation confirmatory chlorinated volatile organic compounds (CVOCs) soil sampling in Areas of Concern (AOCs) and delineation evaluation
- Updated Site Conceptual Model (SCM) with hydrogeological cross-sections

A site map is included as Figure 1-1. The following sections describe the aforementioned tasks.

SECTION

2

2.0 Response to EPD Comment Letter

The following is a response on behalf of MTL to the EPD's review and list of comments letter, dated July 16, 2015.

Comments and Responses

EPD Comment 1:

Responses to EPD's May 20, 2014, VRP Application Comments letter, which were included in Section 2 of the above referenced progress reports, noted that much of the information and documentation necessary to address these comments will be provided in future report submittals. As a result, EPD cannot make the determination that all comments from the May 2014 EPD VRP Comments Letter have been adequately addressed until after the receipt of the next scheduled VRP Progress Report, which should include the following: additional groundwater and soil delineation data, additional surface water/sediment sampling and ecological impact evaluation, and a conceptual site model update.

Response to EPD Comment 1:

The following Third VIRP Semi-annual Progress Report details the first groundwater sampling event which includes the 20 new deep and shallow monitoring wells discussed in previous reports. A discussion of associated groundwater sampling field activities and laboratory analytical results are provided in Section 3.0. Following the installation of the 20 new monitoring wells, a hydrogeological cross section of the site was prepared. The cross section is described in this report in Section 6.0.

After the initial post-excavation soil confirmatory and delineation sampling discussed in the Second VIRP Semi-annual Progress Report, additional soil delineation sampling was completed in October 2015. The data from this sampling event is currently under evaluation.

EPD Comment 2:

According to Section 2 of the original VRP Application, further assessment(s) would be completed regarding various potential sources of contamination onsite and offsite, including: a previous gasoline/diesel release by GPA onsite, the presence of heavy metals detected in the holding pond sample, arsenic detected in monitoring well MW-13S, calculation of site specific vapor intrusion concentrations and assessment of onsite vapor intrusion pathways, and the removal/abandonment of the onsite stormwater pipes/drainage culverts with an associated assessment of the soils around these drainage features. Please ensure that the next progress report includes the results, or current progress, of these additional assessments.

Response to EPD Comment 2:

The tasks listed by EPD will be completed in accordance with the established VIRP schedule.

EPD Comment 3:

According to Figure 1-1, "possible areas of pipe failures" are noted along the storm water drainage pipe to the north of RW-2 and RW-4. Please note, that according to historic file information, in 2009-2010 impacted soils/sediments were identified and remediated from the outfalls areas of the storm water drainage pipes downstream of these pipe failures. Therefore, as part of future VRP investigation and remedial action efforts, EPD requests that soil samples be collected beneath these stormwater infrastructure failures to demonstrate that a release has not occurred.

Response to EPD Comment 3:

The "possible pipe failures" denoted in the Figure 1-1 (EIC 2015) was based on visual observation of soil depressions at two locations. EIC has no direct evidence of actual pipe failures. Upon further evaluation, it appears that the depressions could be localized sink holes. Nevertheless, the upgrade section of the pipe in this area was used only for storm water conveyance. Any impacted soils/sediments from known source(s) downgradient of this location has no bearing on storm water conveyance at the upgradient section of the pipe. No additional soil sampling would therefore be justified to the north of wells RW-2 and RW-4.

EPD Comment 4:

Responses to EPD's May 20, 2014, VRP Application Comments letter, which were included in Section 2 of the above referenced progress reports, noted that the area associated with the "Former Office and Shop" does not warrant any additional investigations and will not be identified as an area of concern at the site. EPD does not concur, as the stated activities associated with this business may have potentially used and/or released chemicals similar to those that have been identified as the contaminants of concern (COCs) associated with this VRP investigation and corrective action. At a minimum, the VRP CSR must provide data to demonstrate that this past

operation has not impacted the site with any of the identified COCs as it could potentially influence the final compliance certification and/or groundwater fate and transport model conclusions.

Response to EPD Comment 4:

According to MTL, the former shop was for the use of mechanical tools and therefore had no potential to discharge chemicals at this location.

EPD Comment 5:

[Table 1-10: Toxicity Factors] The oral slope factor (Sfo) for benzene is incorrect whereas the Sfo for ethylbenzene is missing from the table. The correct Sfo that should be used is 5.5E-02 mg/kg and 1.1E-02 mg/kg, respectively; however, this does not impact any of the final RRS.

Response to EPD Comment 5:

EPD's comments, regarding the oral slope factor (Sfo) for benzene and ethylbenzene in Table 1-10: Toxicity Factors of the First VIRP Semi-annual Progress Report, have been noted. The revised Table 1-10 with the updated Sfo for benzene and ethylbenzene is included in Attachment A of this report.

EPD Comment 6:

[Table 1-11: Final Type 4 RRS for Groundwater] The final Type 4 groundwater RRS for vinyl chloride and benzene are incorrect due to an editorial error. According to Table 1-12, the correct final Type 4 groundwater RRS for vinyl chloride and benzene should be 3.27 µg/L and 8.72 µg/L, respectively. Please revise the RRS accordingly, including the applicable revisions to the soil screening level calculations.

Response to EPD Comment 6:

EPD's comments regarding Table 1-11 in Attachment A of the First VIRP Semi-annual Progress report have been noted. The revised Table 1-11, with the updated values for Type 4 groundwater RRS for vinyl chloride and benzene, is included in Attachment A of this report.

EPD Comment 7:

[Table 1-12: Type 4 RRS for Groundwater] To reduce confusion of what column #6 represents, please rename it so it states Type 3 Groundwater RRS.

Response to EPD Comment 7:

EPD's comment regarding the heading of column #6 in Table 1-12 in Attachment A of the First VIRP Semi-annual progress report has been noted. The revised Table 1-12 with the updated heading for Table 1-12 is included in Attachment A of this report.

SECTION

3

3.0 Survey Tasks

During the first quarter of 2015, EIC completed several tasks related to VIRP groundwater and soil contamination delineation activities, which are discussed in the Second VIRP Semi-annual Progress Report. This included installing 20 new monitoring wells, repairing several existing monitoring wells, and completing several post-excavation soil confirmatory soil borings. Following the completion of these activities, MTL retained a Georgia licensed surveyor to locate determine the Top Of Casing (TOC) and ground surface elevations of the newly installed monitoring wells, to determine the TOC elevations for the repaired previously surveyed existing wells, and to locate the new soil borings. The following sections describe the surveying activities for each of the aforementioned tasks. The final certified survey report is included as Attachment B.

3.1 Mobilization

A survey crew was mobilized to the site to complete the aforementioned survey tasks. However, three separate mobilizations were required to complete the survey due to various shipping containers blocking the survey points at several locations of the site. The survey crew first mobilized to the site on May 18, 2015 and completed all assigned tasks by July 1, 2015.

3.2 Monitoring Well Survey

As reported previously, 20 new monitoring wells were installed at the MTL site in Port Wentworth as replacements for previously lost or destroyed wells. EIC instructed the survey crew to locate each monitoring well within a minimum of 1-inch horizontal accuracy and 1/100 of a foot accuracy in the vertical plane. All horizontal coordinates were reported in the Georgia State Plane East Coordinate System (SPCS83 Code: 1001). All TOC elevations were reported in the North American Vertical Datum 1988 (NAVD88). The horizontal and vertical coordinates for each monitoring well are presented in the final survey report, Attachment B. The surveyor obtained the horizontal and vertical coordinates of the top of casing and ground elevations at each of these locations.

3.3 Soil Boring Survey

Following the completion of post-excavation soil confirmatory sampling, discussed in the previous Second VIRP Semi-annual Progress Report, EIC evaluated the results of the soil borings and determined that three areas of concern (AOCs) would require additional soil delineation sampling. Accordingly, the site survey activities included locating the completed soil borings as well as the remaining soil boring locations required for site delineation. A total of 93 completed soil borings and 11 proposed soil and sediment borings were located during the aforementioned survey activities.

As the location of the aforementioned soil borings is required in delineating the defined boundaries of soil contamination within the established AOCs, EIC instructed the survey crew to determine the horizontal and vertical coordinates of each boring to within an accuracy of 1-inch. All horizontal coordinates were reported in the Georgia State Plane East (SPCS83 Code: 1001) coordinate system. The horizontal coordinates for each soil boring are presented in the final survey report, Attachment B.

SECTION

4

4.0 Groundwater Monitoring

The fourth VIRP groundwater monitoring event was conducted in April 2015. This monitoring event included; gauging groundwater levels at all available wells onsite and the collection of groundwater samples from each available well for chlorinated volatile organic compound (CVOC) analysis. As discussed in the previous Second VIRP Semi-annual Report, 20 new monitoring wells were installed at the site in January and February of 2015 and added to the current monitoring well network at the site. This sampling event is the first sampling event in which the 20 newly installed monitoring wells were utilized in the VIRP groundwater sampling program.

4.1 Groundwater Monitoring Objectives

The primary objectives of the groundwater monitoring program is to meet the following goals set forth in the VIRP:

- Establish a baseline for plume stability analysis.
- Track MNA by monitoring the groundwater concentrations of CVOCs and water quality parameters within the existing plume.
- Determine if the prevailing groundwater contaminant concentrations are meeting or trending towards meeting the established RRS.
- Determine if the horizontal and vertical extents of the CVOCs have been defined.

4.2 Discovered Wells

During soil boring activities in October 2015, EIC observed several previously unknown unidentified wells at the site near the Former Tire Shop building with 1-inch internal diameter (ID) PVC casings. In total, seven of these wells were located south of the former tire shop, in close proximity to the pump-and-treat (PAT) remediation system at the site. According to the Compliance Status Report by Geovac Environmental Services, Inc. in 2002, these wells were

apparently installed as 1-inch recovery wells for site groundwater remediation purposes (Geovac, 2002). However, the name designations, detailed construction information, and other related information regarding these wells is unknown at this time. Therefore, in order to ascertain the condition of each well, EIC collected field measurements for each well.

Table 4-1 summarizes the locations of these wells based on field measurements that EIC collected for each well relative to permanent site features and Figure 4-1 illustrates the approximate locations of the wells. For the purpose of defining well information, EIC designated each well with a temporary well ID until their original designations are determined. The temporary well IDs are listed in Table 4-1 and correspond to the labels for each well in Figure 4-1. Depending on the condition and available information, these wells may be added to the groundwater gauging network at the site or abandoned in accordance with regulatory requirements.

4.3 Modifications to Monitoring Well Network

As noted in the First and Second VIRP Semi-annual Progress Reports, several recovery wells at the site have accumulated a significant amount of silt due to previous PAT activities. Wells with a significant amount of silt blocking a majority of their screened interval likely do not provide representative samples of the underlying groundwater plume. Therefore, EIC evaluated each recovery well to determine its condition and use within the current VIRP groundwater sampling program. Based on historical well logs and current field measurements, EIC prepared Table 4-2 that tabulates the reported depth-to-bottom (DTB), the measured DTB, and other relevant well construction information for each well at the site. Utilizing data from Table 4-2, EIC then prepared Figure 4-2 to illustrate the well conditions. From Figure 4-2, it is apparent that recovery wells RW-2, RW-3, RW-4, RW-5, RW-6, and RW-7 have accumulated significant amounts of silt, such that the majority of the screen is no longer available for groundwater sampling. As such, these wells do not present value to the VIRP groundwater sampling program.

As discussed during the previous Second VIRP Semi-annual Progress Report, 20 new monitoring wells were installed in January and February 2015. Based on their relative proximity to the silted recovery wells, EIC identified several monitoring wells as replacement wells to the silted recovery wells within the VIRP groundwater sampling program.

Figure 1-1 is a site map that illustrates the locations of all monitoring and recovery wells at the site. It is noteworthy that none of the newly installed replacement monitoring wells were located near RW-4. As such, no replacement well has been designated for this recovery well. The following is a list of monitoring wells used as a substitute for the silted recovery wells.

- RW-2 replaced by MW-55D
- RW-3 replaced by MW-51D
- RW-5 replaced by MW-54D
- RW-6 replaced by MW-52D

- RW-7 replaced by MW-53D

As these five recovery wells are no longer viable for groundwater sampling purposes, EIC has removed them from the regular groundwater gauging and sampling network. These wells are slated for abandonment in accordance with the EPD regulatory requirements.

4.4 Groundwater Monitoring Field Program

During the April 2015 monitoring event, EIC conducted groundwater monitoring at a total of 41 wells onsite. As designated in the VIRP, wells that are screened less than 20 feet below ground surface (bgs) were historically defined as shallow wells and those that are screened greater than 20 feet bgs are defined as deep wells (EIC, 2014a). Of the 41 wells monitored, 19 are shallow wells and 22 are deep wells. Two of the 22 deep wells are recovery wells (RW-1 & RW-4). Each monitoring well consists of either a 3/4-inch, a 1-inch, or a 2-inch ID solid well casing and screen. Each recovery well consists of either a 4-inch or 6-inch ID PVC well casing/screen.

4.4.1 Sampling Protocol

The groundwater sampling program was conducted in accordance with the current U.S. EPA Region 4 groundwater sampling procedure "Field Branches Quality System and Technical Procedures" (FBQSTP) per EPD regulations. Each monitoring well was gauged, purged, and sampled following the "low-flow" purge technique established in the standard operating procedure (SOP) SESDPROC-301-R3 under the FBQSTP (EPA, 2013).

4.4.2 Site Access

Prior to the field visit, EIC coordinated with the GPA in gaining access to conduct groundwater monitoring and related tasks. All site work was completed under the supervision of EIC.

4.4.4 Groundwater Gauging

Prior to sampling, EIC gauged each well with a decontaminated oil-water interface meter to determine the static depth to groundwater. EIC utilized TOC elevations from the October 2013 and July 2015 well surveys to determine the current groundwater elevations. The gauging data for the April 2015 monitoring event is tabulated in Table 4-3.

4.4.5 Groundwater Sampling

Following the "low-flow" purge technique, noted in Section 4.4.1, EIC utilized a peristaltic pump with variable lengths of disposable 1/4-inch ID Teflon-lined tubing and a 6-inch segment of 3/16-inch ID silicon tubing at the pump head to purge each well until groundwater quality parameters reached stabilization prior to sampling. The length of Teflon-tubing necessary to

place the intake at the center of the wetted screened interval of each well was determined from water levels and available well construction data noted in EIC well purging and sampling data field logs (Attachment C).

As discussed in the First VIRP Semi-annual Progress Report (EIC, 2014b), all downhole pumps, tubing, and wiring assemblies related to PAT activities have been removed from recovery wells at the site. However, due to previous pumping activities, most recovery wells have accumulated significant amounts of silt that either fully or partially block the screened interval of several recovery wells. At these wells, the Teflon tubing was lowered to the center of the wetted portion of the screened interval. In wells where silt accumulation had extended to or above the screened interval, the tube was lowered to within one foot above the measured depth to bottom.

Groundwater stabilization parameters were monitored via direct pumping to a multi-parameter field water quality field meter equipped with a flow-through cell. These parameters were recorded at approximately five-minute intervals on EIC field logs (Attachment C). Additionally, purge volumes and depth-to-water (DTW) measurements were recorded at the same five-minute intervals when possible. At each well, the pumping rate and tubing depth were adjusted accordingly when excessive drawdown was observed. In 1-inch and ¾-inch diameter wells, where the inserted Teflon tubing restricted access of interface probe, the depth to water could not be gauged during purging. In these wells, gauging was performed only just prior to inserting the tubing and immediately after the tubing was removed.

EIC considered that stabilization was reached when 3 consecutive stabilization parameter readings were within ± 0.1 for pH and ± 5% for specific conductivity. Reasonable attempts were made at each well to reach 0.2 mg/L of dissolved oxygen (DO) and a turbidity reading at or below 10 Nephelometric Turbidity Units (NTUs) prior to sampling. Groundwater quality field parameters (Temperature, pH, oxygen reduction potential (ORP), conductivity, turbidity, and DO) after stabilization and prior to sample collection are summarized in Table 4-4. Note that, during the April 2015 sampling event, 20 wells had turbidity levels higher than 10 NTUs. All samples were collected using the "soda straw method" specified in the standard operating procedure (SOP) SESDPROC-301-R3 under the FBQSTP (EPA, 2013).

4.4.6 Sample Custody and Laboratory Analysis

Immediately after each sample set was collected, the sample bottles were labeled, and the samples were stored with double-bagged ice in an insulated thermal container ("cooler") provided by the laboratory. The samples were maintained with ice in the cooler and relinquished to the laboratory. Completed chain-of-custody forms accompanied all samples. EIC delivered the samples to Test America Laboratories in Savannah, Georgia - a Georgia Department of Natural Resources (DNR) certified laboratory. The laboratory conducted analysis of volatile organic compounds using EPA method 8260B. The laboratory report for the April 2015 event is included as Attachment D.

4.5 Quality Assurance and Quality Control

To prevent cross-contamination, new disposable Teflon-lined tubing was utilized to collect samples at each well. EIC's oil/water interface meter and any other reusable field equipment that came in contact with groundwater was decontaminated prior to use and between sample locations. This was accomplished by first washing this equipment with a pressurized phosphate-free detergent solution and rinsing with pressurized de-ionized (DI) water. After each sample was collected, the water quality parameters instrument was decontaminated with pressurized DI water. In the event of gross contamination, EIC used detergent solution in addition to DI water in cleaning this instrument.

For sample quality assurance and quality control, EIC maintained a trip blank set in the samples container. The trip blank was analyzed along with the groundwater samples collected at the site.

4.6 Data Evaluation

EIC conducted an evaluation of the data compiled from field measurements and laboratory analyses. This evaluation defined the groundwater potentiometric surface and flow direction as well as the extents of the prevailing CVOC plumes at the time of the April 2015 monitoring event.

Considering the reported hydrogeological confining units, described in the VIRP, EIC has continued to distinguish between unconfined shallow and fully or partially confined deep aquifers in illustrating groundwater potentiometric surfaces and CVOC plumes. The following subsections describe EIC's analysis and understanding of the potentiometric surface and prevailing CVOC plumes at the site.

4.6.1 Groundwater Potentiometric Surfaces

4.6.1.1 Shallow Groundwater Potentiometric Surface

The April 2015 groundwater gauging event data is summarized in Table 4-3. In addition, Table 4-5 summarizes all groundwater gauging data collected at the site following the initiation of the VIRP program. From Table 4-5, the mean and range of the shallow groundwater potentiometric surface elevations at the site were similar to those of the January 2015 gauging event as well as to the July 2014 baseline sampling event, however, they were significantly higher than those of the October 2014 event. This may be attributed to the location of the new monitoring wells at the site, as some of them are located nearer to the northern upgradient portion of the site than previously installed wells. EIC will continue to evaluate changes in the potentiometric surface in subsequent gauging events to determine if any trends in shallow groundwater fluctuation are apparent.

Utilizing the data presented in Table 4-3, EIC prepared a shallow groundwater potentiometric surface map, as illustrated in Figure 4-3. From Figure 4-3, a prominent trough feature extended

across the site with the center line of the trough extending from well G-22 to well MW-45S in April 2015. Considering the potentiometric surface of April 2015, it is apparent that groundwater generally flows from east-northeast to west-southwest across the site and the shallow unconfined potentiometric surface remains relatively stable in elevation over time.

4.6.1.2 Deep Groundwater Potentiometric Surface

As with the shallow potentiometric surface elevations at the site, EIC also compared the deep well gauging data from the April 2015 sampling event to all other previous events summarized in Table 4-5. From Table 4-5, the mean and range of the deep potentiometric surface elevations were similar to the previous January 2015 and July 2014 events; however, they were significantly higher than the October 2014 event. As discussed in Section 4.6.1.1, this may be attributed the newly installed wells at the site. Therefore, EIC will continue to evaluate the deep potentiometric surface elevations from subsequent sampling events to determine what trends are apparent.

Utilizing the gauging data in Table 4-3, EIC prepared a deep groundwater potentiometric surface map, Figure 4-4. EIC then compared Figure 4-4 to all previous deep potentiometric surface maps prepared for previous VIRP semi-annual progress reports. In comparing Figure 4-4, it is apparent that the trough feature, which extends through the center of the site, is still the predominant deep potentiometric surface feature determining the groundwater flow path at the site. The trough extends approximately from MW-39D to RW-1 in an arching pattern. Thus, it is apparent that the predominant deep aquifer flow path at the site is from east-northeast to west-southwest.

4.6.2 Horizontal Extent of CVOCs

The CVOCs at the site consist of the CVOCs composed of tetrachloroethene or perchloroethene (PCE), trichloroethene (TCE), cis-1, 2 dichloroethene (DCE), and vinyl chloride (VC). Utilizing analytical results summarized in Table 4-6 and Table 4-7, EIC prepared Figures 4-5 through 4-12, which illustrate the horizontal extent of the four CVOC constituent plumes within both the defined shallow and deep horizons. In addition, the limits of the RRS concentrations and the delineation criterion are illustrated to evaluate the extent of dissolved CVOCs that require remediation and the horizontal extent of the overall plume.

As discussed in the previous Second VIRP Semi-annual Report, several new monitoring wells were added to the existing monitoring well network. Additionally, as discussed in Section 4.3, several heavily silted recovery wells have been replaced by newly installed monitoring wells. As such, the plume configuration defined in this report is more representative of the plume extents.

4.6.2.1 PCE Plume

Utilizing analytical results summarized in Table 4-6 and Table 4-7 from the April 2015 sampling event, EIC prepared PCE isoconcentration maps to illustrate the horizontal extent of this plume. The following subsections describe the concentrations in shallow and deep environments.

Shallow PCE

Figure 4-5 illustrates the horizontal extent of the shallow portion of the PCE plume during the April 2015 monitoring event. From Figure 4-5, the shallow plume is confirmed to be above delineation criteria only at MW-32. Concentrations at wells MW-4S, MW-40S, and MW-50S were possibly above delineation criteria, however, due to dilution during laboratory analysis, the actual concentration at each of these wells could not be defined further than the limits illustrated for each monitoring well in Figure 4-5. The remaining monitoring wells had PCE concentrations below the laboratory method detection limit (MDL), with the exception of wells MW-31 and MW-2S, with concentrations of 2.8 and 1.9 µg/L, respectively. The April 2015 sampling event is the third consecutive VIRP sampling event in which PCE concentrations above RRS did not occur at any shallow wells.

Deep PCE

Figure 4-6 illustrates the horizontal extent of the PCE plume at the defined deep wells during the April 2015 monitoring event. From Figure 4-6, concentrations above RRS occurred at two monitoring wells, MW-2D and PAW-4. In comparing the April 2015 plume distribution to all previous plume maps, the plume is significantly smaller in total extent and there is now a secondary plume near the south eastern portion of the site, centered around MW-47D. This is due to the replacement of silted recovery wells in the western portion of the plume and the installation of new monitoring wells at the site. The overall extent of the deep PCE plume, however, is fully defined within the site.

4.6.2.2 TCE Plume

Utilizing analytical results summarized in Table 4-6 and Table 4-7 from the January 2015 sampling event, EIC prepared TCE isoconcentration maps to illustrate the horizontal extent of this plume. The following subsections describe the concentrations in shallow and deep environments.

Shallow TCE

Figure 4-7 illustrates the horizontal extent of the shallow portion of the TCE plume during the April 2015 monitoring event. Shallow TCE concentrations above RRS and above the delineation criteria of 5 µg/L were found at monitoring wells MW-4S, MW-31, MW-32, MW-40S, and MW-50S. The overall extent of the April 2015 shallow TCE plume encompassed a larger area of the site as compared to previous sampling events. This is due to the installation of new monitoring wells in areas of the site where a concentration gradient previously had not been defined. Most notably, significant concentrations of TCE, which were previously undetected, were indicated at the locations of new monitoring wells MW-40S and MW-50S. However, the overall shallow TCE plume is fully defined within the site.

Deep TCE

Figure 4-8 illustrates the horizontal extent of the deep portion of the TCE plume during the April 2015 monitoring event. Deep TCE concentrations above RRS and above delineation criteria of 5 µg/L were found at monitoring wells MW-2D, MW-44D, MW-47D, PAW-4. As with the deep PCE plume, the overall extent of the deep TCE plume is significantly less than it was during previous sampling events, due to the installation of new monitoring wells and the replacement of silted recovery wells. The overall extent of the TCE plume is fully defined within the site.

4.6.2.3 cis-1, 2 DCE Plume

Utilizing analytical results summarized in Table 4-6 and Table 4-7 from the April 2015 sampling event, EIC prepared DCE isoconcentration maps to illustrate the horizontal extent of this plume. The following subsections describe the concentrations in shallow and deep environments.

Shallow DCE

Figure 4-9 illustrates the horizontal extent of the shallow portion of the DCE plume during the April 2015 monitoring event. Shallow DCE concentrations above RRS of 204 µg/L were found at monitoring wells MW-4S, MW-31, MW-32, MW-40S, and MW-50S. The overall extent of the shallow DCE plume during the April 2015 monitoring event was greater than previous events due to the discovery of previously undetected concentrations near wells MW-40S and MW-50S. However, the concentrations of DCE at previously existing monitoring wells, MW-4S, MW-31, and MW-32 have all decreased over time as compared to previous events. The overall shallow DCE plume is fully defined within the site.

Deep DCE

Figure 4-10 illustrates the horizontal extent of the deep portion of the DCE plume in April 2015. Deep DCE concentrations above RRS of 204 µg/L were found in monitoring wells MW-2D, MW-49D, MW-51D, and MW-55D. The overall extent of the deep DCE plume has remained stable over time as compared to the July 2014 baseline sampling event and all other subsequent sampling events. However, the maximum concentration within the plume has decreased from 78,000 µg/L during the July 2014 baseline sampling event to 4,600 µg/L. The overall extent of the deep DCE plume is fully defined within the Site.

4.6.2.4 VC Plume

Utilizing analytical results summarized in Table 4-6 and Table 4-7 from the January 2015 sampling event, EIC prepared VC isoconcentration maps to illustrate the horizontal extent of this plume. The following subsections describe the concentrations in shallow and deep environments.

Shallow VC

Figure 4-11 illustrates the horizontal extent of the shallow portion of the VC plume during the April 2015 monitoring event. Shallow VC concentrations above RRS of 3 µg/L were found at monitoring wells MW-4S, MW-33, MW-40S, MW-46S, and MW-50S. Concentrations at all other monitoring wells were below laboratory MDL, with the exception of wells MW-32 and PAW-3 with concentrations of 1.1 µg/L and 0.79 µg/L, respectively. The overall extent of the shallow VC plume was greater during the April 2015 monitoring event as compared to all previous VIRP sampling events. This was due to the discovery of new pockets of contamination near wells MW-40S, MW-46S, and MW-50S. However, the VC plume is fully defined within the site.

Deep VC

Figure 4-12 illustrates the horizontal extent of the deep portion of the VC plume during the April 2015 monitoring event. Deep VC concentrations above RRS of 3 µg/L were found in monitoring wells MW-2D, MW-49D, MW-51D, MW-54D, MW-55D, and PAW-4. The concentrations at all other monitoring wells were below laboratory MDL, with the exception of wells RW-1 and RW-4, with concentrations of 1.1 µg/L and 0.83 µg/L, respectively. The extent of the deep VC plume remained relatively the same after the installation of the new deep monitoring wells, however, the concentrations of VC within the plume have decreased significantly since the beginning of the VIRP. The highest concentration during the July 2014 baseline event was 573 µg/L near RW-7 and the highest concentration detected during the April 2015 event was 270 µg/L near MW-2D. Also, the overall extent of the deep VC plume remains delineated within the site.

4.6.3 Horizontal Delineation

As discussed in Section 4.6.2, each of the CVOC constituents in both the deep and shallow plumes are now better defined and fully delineated within the site boundaries after the installation of 20 new replacement monitoring wells during the first quarter of 2015. EIC will continue to monitor the newly installed monitoring wells and other existing monitoring wells to monitor changes in the extent of the CVOC plumes.

4.6.4 Plume Attenuation and Stability

Based on the relatively high levels of PCE degradation products observed at the site, it is clearly evident that natural attenuation is occurring at the site. Also, an overall comparison of the plumes between the July 2014 baseline monitoring event and the April 2015 monitoring event indicates that the plume is confined to a relatively small area within the site and continues to decrease in concentration. This finding substantiates plume stability. EIC will continue to evaluate this trend and evaluate the extent of natural attenuation.

SECTION

5

5.0 Confirmatory Soil Sampling

As discussed in the previous Second VIRP Semi-annual Progress Report, additional delineation soil and sediment sampling was required for AOC-3, AOC-4, and AOC-6. During this reporting period, EIC completed additional soil sampling field activities in October 2015. EIC will include an evaluation of the additional soil and sediment samples collected during the October 2015 sampling event in the next semi-annual progress report.

SECTION

6

6.0 SCM Update

Following the installation of the 20 new deep and shallow replacement wells at the MTL site, EIC utilized lithological logs EIC prepared from select wells to develop a hydrogeological cross-section. Figure 6-1 is a trace map of the hydrogeological cross-section as it relates to the surface of the site. The cross-section is included in this report as Figure 6-2. From Figure 6-2, six new monitoring wells (from west to east: MW-40S, MW-53D, MW-51D, MW-49D, MW-55D, and MW-46S) were utilized to create the hydrogeological cross-section.

The cross-section, in general, extends from southwest to northeast across the site, parallel to groundwater flow direction. Based on the data represented in the cross-section it is apparent that the site is predominantly characterized by a silt/silt-with-sand composition from approximately 0 to 30 ft. bgs. Additionally, several interfingering clay layers lie within the predominant silt/silt-with-sand layer. Overall, the cross-section represents a complex mixture of low and high permeability geologic units, which could possibly have a significant impact on the fate and transport of constituents of concern (COCs), as well as remedial approach strategies for the site groundwater constituents.

EIC will include a more detailed evaluation of the hydrogeological cross-section represented in Figure 6-2, in a future site Conceptual Model Report. This will include an evaluation of significant impacts to the fate and transport of the site groundwater COCs and an evaluation of the possible limitations to the site remedial approach proposed in the VIRP.

SECTION

7

7.0 Summary

After the submittal of the Second Semi-annual Progress Report, EIC continued the implementation of various tasks outlined in the VIRP. Following is a summary of these tasks completed during the period from May 2015 through October 2015.

EIC provided a response to the EPD's July 16, 2015 comment letter.

EIC conducted a geographical survey of newly installed monitoring wells and of soil boring locations where EIC conducted post-excavation soil confirmatory sampling, and updated site maps and associated figures, accordingly, for improved accuracy.

EIC located seven previously unknown wells near the former Tire Shop building and wastewater treatment system. Depending on the condition and available information, these wells may be added to the groundwater gauging network at the site or abandoned in accordance with regulatory requirements.

EIC conducted the first semi-annual groundwater monitoring event during April 2015 utilizing the 20 newly installed monitoring wells, that previously have not been monitored. Based on this monitoring event, EIC determined that both the deep and shallow CVOC plumes are fully delineated within the site boundaries. In addition, based on the relatively high levels of PCE degradation products observed at the site, it is clearly evident that natural attenuation is occurring at the site. Also, EIC's evaluation determined that the CVOC plumes are confined to a relatively small area within the site and continue to decrease in concentration, substantiating plume stability.

EIC completed additional confirmatory soil sampling, as discussed in the previous semi-annual report. The results from the additional confirmatory soil sampling were pending during the preparation of this report. These results and an evaluation of the results will be included in a future Semi-annual report.

EIC utilized lithological logs EIC previously prepared from select wells to develop a hydrogeological cross-section. EIC will include a more detailed evaluation of the hydrogeological cross-section in a future site Conceptual Model Report to be included in a future Semi-annual report.

SECTION

8

8.0 Monthly Summary of Hours

A monthly summary of hours invoiced for the aforementioned tasks during the period from May 2015 through October 2015 is summarized in Attachment E.

SECTION

9

9.0 References

Environmental International Corporation (EIC), 2014a. *VIRP Application, Former McKenzie Tank Lines Site, Port Wentworth Georgia.* Alpharetta, Georgia. January 29, 2014.

EIC, 2014b. *First VIRP Semi-annual Progress Report – HSI Site 10406, Former Mckenzie Tank Lines Site.* Alpharetta, Georgia. November 11, 2014.

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U.S. Environmental Protection Agency (EPA), 2013. *Groundwater Sampling, Operating Procedure, Number SESDPROC-301-R3.* Region 4, U.S. Environmental Protection Agency, Science and Ecosystem Support Division, Athens, Georgia. March 6, 2013.

Georgia Environmental Protection Division (EPD), 2015. *Voluntary Remediation Program Progress Reports MckEnzie Tank Lines Site, HIS# 10406 Port Wentworth, Chatham County, Georgia Tax parcel ID #s 1-0729-01-007 & 1-0729-01-009.* Atlanta, Georgia. July 16, 2015.

Geovac Environmental Services, Inc. (Geovac), 2002. *Compliance Status Report.* Jacksonville, Florida. February 28, 2002.

HSI SITE 10406, FORMER MCKENZIE TANK LINES SITE

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TABLES

Table 4-1: Discovered Well Field Measurements

Well ID	Stick-up Height (ft.)	DTB (ft.)	DTW(ft.)
TS-1	0.21	18.31	4.73
TS-2	0.10	18.14	4.78
TS-3	0.20	18.53	5.22
TS-4	0.15	5.85	5.25
TS-5	0.15	19.00	5.34
TS-6	0.20	6.96	5.61
TS-7	0.21	18.39	5.58

Notes:

DTB - Depth to Bottom
DTW - Depth to Water

Well information was obtained from field measurements by EIC field techinicians on 10/21/15. EIC assigned well IDs for report purposes, as the historical well ID designations are unknown.

According to the Compliance Status Report by Geovac Environmental Services, Inc. in 2002, the wells listed in this table were installed as 1-inch recovery wells for site groundwater remediation purposes. However, no well IDs were provided and construction information was limited to a statement that the wells were installed to a depth of 20 feet below ground surface with 15 foot screens.

Table 4-2: Monitoring/Recovery Well Screen Evaluation Data

Well I.D.	TOC Elevation (ft., NAVD88)	GS Elevation (ft., NAVD88)	Reported Total Depth (BTOC) (ft.)	Measured Total Depth (BTOC) (ft.)	Stick Up Height (ft.)	Reported Total Depth (BGS) (ft.)	Measured Total Depth (BGS) (ft.)	Height of Siltation (ft.)	DTW (BTOC)* (ft.)	DTW (BGS)* (ft.)	GW Potentiometric Surface Elevation* (ft., NAVD88)	Screen Length (ft.)	Depth to Top of Screen (BGS) (ft.)	Depth to Top of Screen BTOC (ft.)	Screen (Exposed) (ft.)	Screen (Silted Up) (ft.)
Shallow Wells																
G-17	8.94	6.36	14.58	12.35	2.58	12.00	9.77	2.23	2.68	0.10	6.26	5.00	7.00	9.58	2.77	2.23
G-19	9.85	7.09	12.76	12.66	2.76	10.00	9.90	0.10	4.37	1.61	5.48	5.00	5.00	7.76	4.90	0.10
G-22	9.36	5.58	13.78	9.84	3.78	10.00	6.06	3.94	5.08	1.30	4.28	5.00	5.00	8.78	1.06	3.94
MW-2S	11.71	11.65	6.35	7.10	0.06	6.29	7.04	N/A	1.05	0.99	10.66	5.00	2.04	2.10	5.00	0.00
MW-4S	10.86	8.21	19.65	18.24	2.65	17.00	15.59	1.41	4.83	2.18	6.03	10.00	7.00	9.65	8.59	1.41
MW-15S	8.27	5.51	15.26	22.37	2.76	12.50	19.61	N/A	2.76	0.00	5.51	10.00	9.61	12.37	10.00	0.00
MW-29	9.39	9.40	19.99	19.76	-0.01	20.00	19.76	0.24	1.96	1.97	7.43	10.00	10.00	9.99	9.76	0.24
MW-31	11.96	9.40	24.56	22.23	2.56	22.00	19.67	2.33	4.91	2.35	7.05	10.00	12.00	14.56	7.67	2.33
MW-32	12.02	9.58	24.44	22.15	2.44	22.00	19.71	2.29	4.51	2.07	7.51	10.00	12.00	14.44	7.71	2.29
MW-33	8.48	5.97	22.51	22.13	2.51	20.00	19.62	0.38	NM	NM	N/A	10.00	10.00	12.51	9.62	0.38
MW-37S	10.14	10.55	N/A	20.02	-0.41	N/A	20.43	0.00	4.55	4.96	5.59	10.00	10.00	9.59	10.00	0.00
MW-40S	5.57	5.85	N/A	20.12	-0.28	N/A	20.40	0.00	0.18	0.46	5.39	10.00	10.00	9.72	10.00	0.00
MW-42S	10.71	11.10	N/A	19.18	-0.39	N/A	19.57	0.00	3.49	3.88	7.22	10.00	10.00	9.61	10.00	0.00
MW-45S	13.74	14.12	N/A	20.21	-0.38	N/A	20.59	0.00	5.81	6.19	7.93	10.00	10.00	9.62	10.00	0.00
MW-46S	14.01	14.28	N/A	19.63	-0.27	N/A	19.90	0.00	6.11	6.38	7.90	10.00	10.00	9.73	10.00	0.00
MW-48S	13.56	13.52	N/A	20.05	0.04	N/A	20.01	0.00	5.24	5.20	8.32	10.00	10.00	10.04	10.00	0.00
MW-50S	11.18	11.30	N/A	20.24	-0.12	N/A	20.36	0.00	4.46	4.58	6.72	10.00	10.00	9.88	10.00	0.00
MW-U2	10.91	9.81	UNK	7.95	1.10	UNK	6.95	UNK	2.18	1.08	8.73	5.00	1.95	3.05	5.00	0.00
PAW-3	11.83	10.03	UNK	11.20	1.80	UNK	9.40	UNK	3.84	2.04	7.99	5.00	4.40	6.20	5.00	0.00
Deep Wells																
MW-2D	11.39	11.34	27.50	26.67	0.05	27.45	26.62	0.83	3.98	3.93	7.41	10.00	17.45	17.50	9.17	0.83
MW-11D	16.07	12.89	25.52	21.90	3.18	22.34	18.72	3.62	6.99	3.81	9.08	10.00	12.34	15.52	6.38	3.62
MW-14D	12.06	9.24	36.55	34.17	2.82	33.73	31.35	N/A	5.62	2.80	6.44	5.00	26.35	29.17	5.00	0.00
MW-26	8.42	5.50	22.92	40.17	2.92	20.00	37.25	N/A	NM	NM	N/A	10.00	27.25	30.17	10.00	0.00
MW-35	6.28	4.87	21.41	39.20	1.41	20.00	37.79	0.00	0.20	-1.21	6.08	10.00	27.79	29.20	10.00	0.00
MW-36	9.86	7.64	30.22	41.93	2.22	28.00	39.71	N/A	3.70	1.48	6.16	5.00	34.71	36.93	5.00	0.00
MW-38D	10.08	10.61	N/A	29.86	-0.53	N/A	30.39	0.00	4.54	5.07	5.54	5.00	25.00	24.47	5.00	0.00
MW-39D	7.25	7.32	N/A	30.17	-0.07	N/A	30.24	0.00	2.18	2.25	5.07	5.00	25.00	24.93	5.00	0.00
MW-41D	9.59	9.63	N/A	30.25	-0.04	N/A	30.29	0.00	2.92	2.96	6.67	5.00	25.00	24.96	5.00	0.00
MW-43D	10.77	11.13	N/A	31.23	-0.36	N/A	31.59	0.00	3.61	3.97	7.16	5.00	25.00	24.64	5.00	0.00
MW-44D	13.83	14.09	N/A	30.48	-0.26	N/A	30.74	0.00	6.38	6.64	7.45	5.00	25.00	24.74	5.00	0.00
MW-47D	13.63	13.66	N/A	30.13	-0.03	N/A	30.16	0.00	5.97	6.00	7.66	5.00	25.00	24.97	5.00	0.00
MW-49D	11.09	11.17	N/A	30.25	-0.08	N/A	30.33	0.00	4.65	4.73	6.44	5.00	25.00	24.92	5.00	0.00
MW-51D	9.87	10.04	N/A	30.26	-0.17	N/A	30.43	0.00	3.77	3.94	6.10	5.00	25.00	24.83	5.00	0.00
MW-52D	8.29	8.68	N/A	30.07	-0.39	N/A	30.46	0.00	2.69	3.08	5.60	5.00	25.00	24.61	5.00	0.00
MW-53D	7.56	7.68	N/A	30.38	-0.12	N/A	30.50	0.00	1.32	1.44	6.24	5.00	25.00	24.88	5.00	0.00
MW-54D	10.91	11.10	N/A	30.42	-0.19	N/A	30.61	0.00	3.82	4.01	7.09	5.00	25.00	24.81	5.00	0.00
MW-55D	11.78	11.93	N/A	30.48	-0.15	N/A	30.63	0.00	5.02	5.17	6.76	5.00	25.00	24.85	5.00	0.00
MW-56D	10.68	11.00	N/A	30.19	-0.32	N/A	30.51	0.00	3.31	3.63	7.37	5.00	25.00	24.68	5.00	0.00
PAW-4	11.99	10.29	UNK	26.35	1.70	UNK	24.65	UNK	4.50	2.80	7.49	10.00	14.65	16.35	10.00	0.00
RW-1	11.69	11.12	30.57	28.25	0.57	30.00	27.68	2.32	3.11	2.54	8.58	10.00	20.00	20.57	7.68	2.32
RW-2	9.24	12.13	27.11	22.93	-2.89	30.00	25.82	4.18	NM	NM	N/A	10.00	20.00	17.11	0.00	10.00

Table 4-2: Monitoring/Recovery Well Screen Evaluation Data

Well I.D.	TOC Elevation (ft., NAVD88)	GS Elevation (ft., NAVD88)	Reported Total Depth (BTOC) (ft.)	Measured Total Depth (BTOC) (ft.)	Stick Up Height (ft.)	Reported Total Depth (BGS) (ft.)	Measured Total Depth (BGS) (ft.)	Height of Siltation (ft.)	DTW (BTOC)* (ft.)	DTW (BGS)* (ft.)	GW Potentiometric Surface Elevation* (ft., NAVD88)	Screen Length (ft.)	Depth to Top of Screen (BGS) (ft.)	Depth to Top of Screen BTOC (ft.)	Screen (Exposed) (ft.)	Screen (Silted Up) (ft.)
RW-3	7.58	10.03	27.55	18.00	-2.45	30.00	20.45	9.55	NM	NM	N/A	10.00	20.00	17.55	0.00	10.00
RW-4	13.25	10.92	32.33	22.69	2.33	30.00	20.36	9.64	5.15	2.82	8.10	10.00	20.00	22.33	0.36	9.64
RW-5	11.71	11.36	30.35	17.05	0.35	30.00	16.70	13.30	NM	NM	N/A	10.00	20.00	20.35	0.00	10.00
RW-6	10.12	10.01	30.11	25.11	0.11	30.00	25.00	5.00	NM	NM	N/A	10.00	20.00	20.11	5.00	5.00
RW-7	8.63	7.80	30.83	20.75	0.83	30.00	19.92	10.08	NM	NM	N/A	10.00	20.00	20.83	-0.08	10.08

Notes:

Well construction data for wells not installed by EIC was derived from multiple historical reports by GeoVac and other previous consultants

Well construction data for wells installed by EIC (MW-37 to MW-56) was tabulated from well construction field logs collected during installation activities in January and February 2015.

* = Depth to water data was collected during April 2015 gauging and sampling event.

TOC = Top of Casing
GS = Ground Surface
BTOC = Below Top of Casing
BGS = Below Ground Surface
ft. = feet

DTW = Depth to Water
GW = Groundwater
N/A = Not Applicable
NM = Not Measured
UNK = Unknown

Table 4-3: April 2015 Well Gauging Data

Well ID # (Dia., in.)	TOC Elevation* (ft., NAVD88)	DTW BTOC (ft.)	Groundwater Surface Elevation (ft., NAVD88)	Notes
Shallow Wells**				
G-17 (1)	8.94	2.68	6.26	
G-19 (1)	9.85	4.37	5.48	
G-22 (1)	9.36	5.08	4.28	
MW-2S (2)	11.54	1.05	10.49	
MW-4S (2)	10.86	4.83	6.03	
MW-15S (1)	8.27	2.76	5.51	
MW-29 (1)	9.39	1.96	7.43	
MW-31 (1)	11.96	4.91	7.05	
MW-32 (1)	12.02	4.51	7.51	
MW-33 (1)	8.48	NM	NM	
MW-37S (2)	10.14	4.55	5.59	
MW-40S (2)	5.57	0.18	5.39	
MW-42S (2)	10.71	3.49	7.22	
MW-45S (2)	13.74	5.81	7.93	
MW-46S (2)	14.01	6.11	7.90	
MW-48S (2)	13.56	5.24	8.32	
MW-50S (2)	11.18	4.46	6.72	
MW-U2 (2)	10.91	2.18	8.73	
PAW-3 (2)	11.83	3.84	7.99	
Deep Wells**				
MW-2D (2)	11.39	3.98	7.41	
MW-11D (2)	16.07	6.99	9.08	
MW-14D (2)	12.06	5.62	6.44	
MW-26 (1)	8.42	NM	NA	
MW-35 (0.75)	6.28	0.20	6.08	
MW-36 (0.75)	9.86	3.70	6.16	
MW-38D (2)	10.08	4.54	5.54	
MW-39D (2)	7.25	2.18	5.07	
MW-41D (2)	9.59	2.92	6.67	
MW-43D (2)	10.77	3.61	7.16	
MW-44D (2)	13.83	6.38	7.45	
MW-47D (2)	13.63	5.97	7.66	
MW-49D (2)	11.09	4.65	6.44	
MW-51D (2)	9.87	3.77	6.10	
MW-52D (2)	8.29	2.69	5.60	
MW-53D (2)	7.62	1.32	6.30	
MW-54D (2)	10.91	3.82	7.09	
MW-55D (2)	11.78	5.02	6.76	
MW-56D (2)	10.68	3.31	7.37	
PAW-4 (2)	11.99	4.50	7.49	
RW-1 (4) ***	11.69	3.11	8.58	
RW-2 (4)	9.24	NM	NA	
RW-3 (6)	7.58	NM	NA	
RW-4 (6) ***	13.25	5.15	8.10	
RW-5 (6)	11.71	NM	NA	
RW-6 (6)	10.12	NM	NA	
RW-7 (6)	8.63	NM	NA	

Notes:

ID = Identity
Dia. = Diameter
In. = Inches
ft. = feet
BTOC = Below Top of Casing
DTW = Depth to Water
N.M. = Not Measured
N.S. = Not Surveyed

*TOC elevations are based on October 2013 survey completed by Brewer Land Surveying
**Wells screened lower than 20 feet below ground surface are considered deep wells, otherwise it is considered a shallow well
***Gauged with GW pump removed from well

Table 4-4: Chronological Groundwater Quality Field Parameters Summary

Well ID #	Sample Date	Groundwater Quality Field Parameters					
		Temp (Celcius)	pH (SU)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)
G-17	8/13/2013	24.44	6.04	33	0.972	2.5	3.57
	2/19/2014	18.31	5.80	-41	0.312	196	0.73
	7/16/2014	23.67	5.63	-16	0.265	112	0.49
	10/7/2014	21.10	6.20	-94	1.090	7.5	1.34
	4/28/2015	17.17	6.29	-10	0.959	3.8	0.95
G-19	8/15/2013	21.92	3.81	230	0.095	34.6	1.34
	2/21/2014	17.69	4.39	41	0.296	14	0.71
	7/17/2014	22.39	4.17	86	0.419	0	0.69
	10/7/2014	23.45	4.45	-43	0.233	11.9	0.76
	4/28/2015	18.01	4.52	83	0.091	6.3	0.00
G-22	8/15/2013	22.29	5.72	118	0.357	0	1.76
	2/23/2014	16.80	5.87	25	0.722	50.1	1.12
	7/17/2014	25.75	5.77	-27	1.170	796	3.88
	10/7/2014*	25.60	5.95	-129	1.670	200	3.12
	4/28/2015	17.24	5.24	56	0.881	0	1.67
MW-2D	8/12/2013	22.47	6.30	-64	0.759	27	0.41
	2/21/2014	18.67	6.07	-91	0.555	0	0.48
	7/19/2014	19.97	6.13	-50	0.486	0	0.40
	10/9/2014	20.58	6.61	-217	0.589	0	0.48
	4/27/2015	18.67	6.21	-54	0.513	9.4	0.00
MW-2S	8/13/2013	26.37	6.58	-35	1.160	0	0.58
	2/21/2014	15.59	6.74	-33	0.999	0	1.43
	7/18/2014	23.45	6.54	-62	0.895	4.5	2.78
	10/8/2014	20.82	6.65	-164	0.772	0	1.27
	4/27/2015	18.80	6.87	64	0.330	12.5	1.00
MW-4S	8/14/2013	22.63	5.92	-45	1.870	360	0.48
	2/19/2014	18.69	6.13	-50	1.330	254	0.76
	7/18/2014	21.55	6.08	-51	1.660	0	0.53
	10/9/2014	22.83	6.00	0.89	1.970	0	0.43
	4/27/2015	18.80	6.06	-50	1.850	3.1	0.00
MW-11D	8/13/2013	24.07	6.73	-22	0.498	0	0.62
	2/20/2014	15.95	6.40	45	0.210	100	2.45
	7/16/2014	22.29	6.35	-85	0.332	22.1	0.53
	10/7/2014	22.13	6.18	-153	0.417	0	0.77
	4/27/2015	17.30	6.40	-35	0.290	6.8	0.12
MW-14D	8/14/2013	21.19	6.81	-82	0.210	0	0.95
	2/21/2014	18.27	6.82	-55	0.235	2	0.61
	7/17/2014	24.96	6.32	-66	0.237	73.5	0.41
	10/7/2014	21.45	6.83	-135	0.261	146	0.70
	4/28/2015	20.49	6.74	-81	0.189	53.3	0.00
MW-15S	8/13/2014	22.67	6.60	-58	0.460	0	0.58
	2/19/2014	18.39	6.83	-87	0.355	22.5	0.69
	7/16/2014	21.63	6.64	-65	0.396	14.8	0.65
	10/7/2014	19.85	6.97	-116	0.473	4.9	1.27
	4/28/2015	17.62	5.98	-34	0.377	0	1.20
MW-26	8/13/2013	21.22	7.82	-67	0.510	55.2	0.61
	2/19/2014	18.33	8.04	-157	0.407	24.7	0.69
	7/16/2014	21.75	7.87	-103	0.446	34	0.86
	10/7/2014	21.82	7.89	-126	0.490	9	1.00
	4/27/2015	18.82	8.14	-88	0.387	0.4	0.00
MW-29	8/14/2013	28.30	5.94	4	0.422	50.3	0.54
	2/19/2014	17.75	5.82	27	0.319	9.9	1.53
	7/16/2014	22.03	6.30	-98	0.425	46.9	0.69
	10/6/2014	21.48	6.18	-168	0.785	23.2	0.42
	4/27/2015	25.07	5.78	11	0.288	47.7	5.89

Table 4-4: Chronological Groundwater Quality Field Parameters Summary

Well ID #	Sample Date	Groundwater Quality Field Parameters					
		Temp (Celcius)	pH (SU)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)
MW-31	8/15/2013	21.00	5.62	50	0.779	0	1.22
	2/20/2014	18.38	5.15	147	1.060	46.2	0.79
	7/17/2014	20.58	4.86	159	1.880	21.5	0.64
	10/8/2014	25.81	5.09	157	1.070	76.7	1.14
	4/28/2015	17.46	5.07	71	1.020	0	0.66
MW-32	8/15/2013	20.53	4.70	217	0.427	0	0.91
	2/20/2014	17.41	4.56	245	0.441	0	1.00
	7/16/2014	20.24	4.70	228	0.420	0	0.55
	10/8/2014	25.09	4.79	281	0.403	16.4	0.75
	4/28/2015	17.67	4.28	121	0.553	0	0.68
MW-33	8/13/2013	23.96	6.60	-46	1.410	4	3.73
	2/19/2014	17.87	6.73	-82	1.070	21.7	0.73
	7/16/2014	21.14	6.83	-70	0.937	54.5	0.41
	10/9/2014	23.49	7.02	-101	0.612	16.8	1.21
	4/28/2015	17.58	6.87	-66	0.664	31.9	0.00
MW-35**	7/18/2014	20.94	7.72	-83	0.425	80.9	0.51
	10/7/2014	21.03	7.94	-143	0.474	8.4	1.26
	4/28/2015	18.05	8.14	-102	0.377	14.7	0.00
MW-36	8/14/2013	24.05	7.55	-98	0.415	233	1.78
	2/19/2014	20.14	7.45	-88	0.406	14.7	1.93
	7/18/2014	24.13	7.50	-140	0.453	8.1	0.54
	10/8/2014	26.11	7.55	-180	0.475	0	3.07
	4/27/2015	21.36	7.09	-44	0.400	0	1.54
MW-37S	4/28/2015	20.59	6.04	-38	0.240	0	0.63
MW-38D	4/28/2015	21.50	6.71	-62	0.853	0	0.87
MW-39D	4/28/2015	18.40	7.06	-62	0.372	0	0.53
MW-40S	4/27/2015	19.51	6.86	-76	0.274	8.4	0.00
MW-41D	4/27/2015	20.95	7.80	-93	0.335	47.1	0.00
MW-42S	4/27/2015	25.77	11.24	-245	2.320	20.4	0.68
MW-43D	4/27/2015	23.41	8.16	-81	0.317	70.2	0.67
MW-44D	4/27/2015	24.80	5.16	58	0.662	5.3	0.86
MW-45S	4/27/2015	25.37	4.78	69	0.621	3.4	0.86
MW-46S	4/27/2015	20.68	6.07	84	0.887	22.9	0.00
MW-47D	4/27/2015	19.62	6.42	96	0.462	159	0.84
MW-48S	4/27/2015	18.12	4.09	277	0.163	21.7	5.89
MW-49D	4/29/2015	18.92	6.86	-78	0.574	17.5	0.00
MW-50S	4/29/2015	18.98	5.01	87	0.763	22.4	0.00
MW-51D	4/29/2015	18.49	6.89	-59	0.450	0	1.01
MW-52D	4/28/2015	19.01	7.49	-103	0.349	10.4	0.00
MW-53D	4/29/2015	18.57	7.62	-114	0.326	1.5	0.00
MW-54D	4/29/2015	18.20	7.55	-35	0.296	35.3	0.00
MW-55D	4/29/2015	18.63	6.42	-49	0.589	0	0.92
MW-56D	4/29/2015	18.34	7.42	81	0.396	17.5	1.34
MW-U2	4/28/2015	18.27	5.56	58	1.060	71.2	0.96
PAW-3	8/12/2013	23.53	5.75	25	0.582	12.4	0.41
	2/21/2014	17.33	6.44	52	0.906	9	0.61
	7/19/2014	21.80	6.03	-38	0.683	0	0.41
	10/8/2014	23.73	6.43	-97	0.979	0	0.88
	4/28/2015	18.02	6.34	-25	0.440	5.6	0.00
PAW-4	8/12/2014	24.59	6.03	-36	0.876	1.8	0.53
	2/21/2014	18.62	5.56	31	0.392	22.2	0.67
	7/19/2014	19.14	5.45	0	0.513	1	0.46
	10/8/2014	21.57	6.50	-66	0.490	0	0.83
	4/28/2015	19.34	5.41	92	0.328	150	0.00

Table 4-4: Chronological Groundwater Quality Field Parameters Summary

Well ID #	Sample Date	Groundwater Quality Field Parameters					
		Temp (Celcius)	pH (SU)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)
RW-1	8/13/2013	25.25	5.88	5	0.683	0	0.63
	2/20/2014	16.73	6.06	39	0.690	196	0.52
	7/18/2014	21.73	5.91	-19	0.736	37	0.42
	10/8/2014	21.40	6.04	-52	0.707	0	1.07
	4/27/2015	19.86	6.35	-41	0.404	59.5	0.00
RW-2	8/12/2013	22.40	5.68	51	0.695	369	0.65
	2/20/2014	19.94	5.90	61	0.934	217	0.26
	7/17/2014	22.04	5.80	5	1.410	48.6	0.39
	10/9/2014	22.02	6.03	-60	0.708	664	0.35
RW-3	8/14/2013	21.43	5.79	38	0.628	377	0.33
	2/20/2014	19.05	5.78	2	1.120	91.5	0.40
	7/17/2014	24.63	6.09	-46	1.060	368	0.39
	10/9/2014	23.71	6.35	-120	1.140	281	0.29
RW-4	8/12/2014	24.07	5.41	37	0.778	40.8	0.43
	2/20/2014	18.09	6.49	-43	0.893	125	0.32
	7/18/2014	21.94	6.48	-33	0.819	62.7	0.40
	10/9/2014	20.76	6.17	-44	0.741	0	2.68
	4/27/2015	19.99	6.71	-74	0.725	111	0.00
RW-5	8/12/2014	26.50	5.04	107	1.050	219	0.50
	2/20/2014	21.53	4.61	271	0.630	204	0.36
	7/17/2014	24.27	4.98	148	0.733	69	0.46
	10/9/2014	24.28	5.43	69	0.677	9.9	0.44
RW-6	8/15/2013	21.35	5.90	20	1.950	7.1	1.29
	2/19/2014	19.88	5.45	20	0.994	22.3	0.67
	7/18/2014	21.32	6.00	-6	2.780	7.5	0.44
	10/8/2014	24.08	6.14	-93	1.820	0	0.79
RW-7	8/14/2013	22.24	6.00	-12	1.180	255	0.49
	2/20/2014	18.72	6.10	-44	1.110	193	0.50
	7/18/2014	21.45	6.14	-32	1.150	47.5	0.42
	10/9/2014	21.72	6.26	-73	1.040	294.00	0.38

Notes:
Field parameters were recorded by EIC during groundwater monitoring events after stabilization had been reached and prior to sampling
Parameters were measured with a Horiba U-52 Water Quality Meter with a Flow-Through Cell.
* G-22 was not sampled on 10/7/2014 due to lack of recharge. Parameters recorded are from only reading taken.
** MW-35 was discovered during the July 2014 sampling event and the well formerly identified as MW-35 is considered to be MW-15S
SU = Standard Unit
mV = Millivolts
mS/cm = Microsiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = Milligrams per liter

Table 4-5: Historical Groundwater Potentiometric Surface Elevations

Well ID # (Well Diameter, in.)	TOC Elevation (ft.)	Groundwater Potentiometric Surface Elevation (ft.)				MW Min.* (ft.)	MW Max.* (ft.)	MW Range* (ft.)	MW Avg.* (ft.)	MW Var.* (ft.)
		Jul-14	Oct-14	Jan-15	Apr-15					
Shallow Wells										
G-17 (1)	8.94	6.40	3.94	6.39	6.26	3.94	6.40	2.46	5.75	1.46
G-19 (1)	9.85	5.94	3.40	5.67	5.48	3.40	5.94	2.54	5.12	1.35
G-22 (1)	9.36	4.05	2.59	4.33	4.28	2.59	4.33	1.74	3.81	0.68
MW-2S (2)	11.54	8.93	7.17	9.20	10.49	7.17	10.49	3.32	8.95	1.87
MW-4S (2)	10.86	5.29	4.58	5.67	6.03	4.58	6.03	1.45	5.39	0.38
MW-15S (1)	8.27	5.47	3.72	5.59	5.51	3.72	5.59	1.87	5.07	0.82
MW-29 (1)	9.39	7.31	5.35	6.93	7.43	5.35	7.43	2.08	6.75	0.92
MW-31 (1)	11.96	6.76	5.81	5.88	7.05	5.81	7.05	1.24	6.38	0.39
MW-32 (1)	12.02	7.00	6.04	7.24	7.51	6.04	7.51	1.47	6.95	0.41
MW-33 (1)	8.48	5.61	3.70	5.63	NM	3.70	5.63	1.93	4.98	1.23
MW-37S (2)	10.14	NI	NI	NI	5.59	5.59	5.59	NA	5.59	NA
MW-40S (2)	5.57	NI	NI	NI	5.39	5.39	5.39	NA	5.39	NA
MW-42S (2)	10.71	NI	NI	NI	7.22	7.22	7.22	NA	7.22	NA
MW-45S (2)	13.74	NI	NI	NI	7.93	7.93	7.93	NA	7.93	NA
MW-46S (2)	14.01	NI	NI	NI	7.90	7.90	7.90	NA	7.90	NA
MW-48S (2)	13.56	NI	NI	NI	8.32	8.32	8.32	NA	8.32	NA
MW-50S (2)	11.18	NI	NI	NI	6.72	6.72	6.72	NA	6.72	NA
PAW-3 (2)	11.83	7.31	6.38	7.41	7.99	6.38	7.99	1.61	7.27	0.44
MW-U1 (2)	10.91	NL	NL	6.93	8.73	6.93	8.73	1.80	7.83	1.62
Event Min.*[2] (ft.)		4.05	2.59	4.33	4.28	**Global Min.*[2] (ft.)**		2.59		
Event Max.*[2] (ft.)		8.93	7.17	9.20	10.49	**Global Max.*[2] (ft.)**		10.49		
Event Range*[2] (ft.)		4.88	4.58	4.87	6.21	**Global Range*[2] (ft.)**		7.90		
Event Avg.*[2] (ft.)		6.37	4.79	6.41	6.99	**Global Avg.*[2] (ft.)**		6.14		
Event Var.*[2] (ft.)		1.70	2.10	1.55	2.24	**Global Var.*[2] (ft.)**		2.49		

Table 4-5: Historical Groundwater Potentiometric Surface Elevations

Well ID # (Well Diameter, in.)	TOC Elevation (ft.)	Groundwater Potentiometric Surface Elevation (ft.)				MW Min.* (ft.)	MW Max.* (ft.)	MW Range* (ft.)	MW Avg.* (ft.)	MW Var.* (ft.)
		Jul-14	Oct-14	Jan-15	Apr-15					
Deep Wells										
MW-2D (2)	11.39	6.76	6.16	7.34	7.41	6.16	7.41	1.25	6.92	0.34
MW-11D (2)	16.07	7.87	7.04	8.15	9.08	7.04	9.08	2.04	8.04	0.71
MW-14D (2)	12.06	6.87	5.38	6.09	6.44	5.38	6.87	1.49	6.20	0.40
MW-26 (1)	8.42	5.30	5.00	5.86	NM	5.00	5.86	0.86	5.39	0.19
MW-35 (0.75)	6.28	NL	NM	NM	6.08	6.08	6.08	NA	6.08	NA
MW-36 (0.75)	9.86	5.49	4.94	6.05	6.16	4.94	6.16	1.22	5.66	0.32
MW-38D (2)	10.08	NI	NI	NI	5.54	5.54	5.54	NA	5.54	NA
MW-39D (2)	7.25	NI	NI	NI	5.07	5.07	5.07	NA	5.07	NA
MW-41D (2)	9.59	NI	NI	NI	6.67	6.67	6.67	NA	6.67	NA
MW-43D (2)	10.77	NI	NI	NI	7.16	7.16	7.16	NA	7.16	NA
MW-44D (2)	13.83	NI	NI	NI	7.45	7.45	7.45	NA	7.45	NA
MW-47D (2)	13.63	NI	NI	NI	7.66	7.66	7.66	NA	7.66	NA
MW-49D (2)	11.09	NI	NI	NI	6.44	6.44	6.44	NA	6.44	NA
MW-51D (2)	9.87	NI	NI	NI	6.10	6.10	6.10	NA	6.10	NA
MW-52D (2)	8.29	NI	NI	NI	5.60	5.60	5.60	NA	5.60	NA
MW-53D (2)	7.62	NI	NI	NI	6.30	6.30	6.30	NA	6.30	NA
MW-54D (2)	10.91	NI	NI	NI	7.09	7.09	7.09	NA	7.09	NA
MW-55D (2)	11.78	NI	NI	NI	6.76	6.76	6.76	NA	6.76	NA
MW-56D (2)	10.68	NI	NI	NI	7.37	7.37	7.37	NA	7.37	NA
PAW-4 (2)	11.99	6.67	5.99	6.96	7.49	5.99	7.49	1.50	6.78	0.39
RW-1 (4)	11.69	7.18	6.34	7.63	8.58	6.34	8.58	2.24	7.43	0.87
RW-2 (4)	9.24	6.62	5.76	7.03	NM	5.76	7.03	1.27	6.47	0.42
RW-3 (6)	7.58	5.64	4.80	5.80	NM	4.80	5.80	1.00	5.41	0.29
RW-4 (6)	13.25	6.90	6.15	7.27	8.10	6.15	8.10	1.95	7.11	0.66
RW-5 (6)	11.71	6.76	5.94	7.06	NM	5.94	7.06	1.12	6.59	0.34
RW-6 (6)	10.12	5.44	4.67	5.64	NM	4.67	5.64	0.97	5.25	0.26
RW-7 (6)	8.63	5.13	4.75	5.88	NM	4.75	5.88	1.13	5.25	0.33
Event Min.*[2] (ft.)		5.13	4.67	5.64	5.07	**Global Min.*[2] (ft.)**		4.67		
Event Max.*[2] (ft.)		7.87	7.04	8.15	9.08	**Global Max.*[2] (ft.)**		9.08		
Event Range*[2] (ft.)		2.74	2.37	2.51	4.01	**Global Range*[2] (ft.)**		4.41		
Event Avg.*[2] (ft.)		6.36	5.61	6.67	6.88	**Global Avg.*[2] (ft.)**		6.38		
Event Var.*[2] (ft.)		0.73	0.55	0.68	1.02	**Global Var.*[2] (ft.)**		0.98		

Notes:

Top of casing (TOC) elevations are based on surveys conducted by Brewer Land Surveying in October 2013 and EMC Engineering Services in June 2015.

*** = Event Min, Max, Range, Avg., and Var.** - are the minimum, maximum, range, average, and total variance for each respective groundwater gauging event.

***[2] = MW Min., Max., Range, Avg., and Var.** - are the minimum, maximum, range, average, and total variance for each monitoring well throughout all gauging events from July 2014 to April 2015 where available.

***[3]= Global Min., Max., Range, Avg., and Var.** - are the minimum, maximum, range, average, and total variance for all monitoring wells throughout all events from July 2014 to April 2015

NI - Not Installed NA - Not Applicable

NL - Not Located NM - Not Measured

Table 4-6: Shallow Groundwater Constituent of Concern Cumulative Analytical Results

Constituent of Concern/Well ID	Shallow Wells																		
Date	G-17	G-19	G-22	MW-2S	MW-4S	MW-15S*	MW-29	MW-31	MW-32	MW-33	MW-37S	MW-40S	MW-42S	MW-45S	MW-46S	MW-48S	MW-50S	PAW-3	MW-U2
Tetrachloroethylene (PCE)	Type 4 RRS (µg/L)			98	Delineation Criteria (µg/L)			5											
Mar-93	NI	NI	NI	2,390.00	1,910.00	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NU
Mar-94	NI	NI	NI	U	2,900.00	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NU
Feb-96	NI	NI	NI	NA	460.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NU
Mar-96	NI	NI	NI	20.00	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NU
Sep-96	NI	NI	NI	11,000.00	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NU
Oct-96	NI	NI	NI	31.00	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NU
Apr-97	NI	NI	NI	47.00	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NU
Jul-97	NI	NI	NI	111.0	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NU
Oct-97	NI	NI	NI	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	U	NU
Feb-98	NI	NI	NI	81.90	267.00	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Jul-98	NI	NI	NI	U	200.00	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Nov-98	NI	NI	NI	NA	1,580.00	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Feb-99	NI	NI	NI	0.50	80.00	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	1.4	NU
Oct-99	NI	NI	NI	0.42	1,490.00	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
May-00	NI	NI	NI	U	1,343.00	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	9.4	NU
Jan-01	NI	NI	NI	4.80	3,730.00	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	2.5	NU
Aug-01	NI	NI	NI	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Aug-01	NI	NI	NI	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Nov-01	NI	NI	NI	NA	250.00	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Dec-01	NI	NI	NI	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Jan-02	NI	NI	NI	<1	NA	<1	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<1	NU
Sep-02	NI	NI	NI	NA	<25	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	13.0	NU
Oct-03	NI	NI	NI	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.43	NU
Jan-04	NI	NI	NI	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Nov-04	NI	NI	NI	NA	6,300.00	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	3.1	NU
May-05	NI	NI	NI	NA	100.00 U	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Jun-05	NI	NI	NI	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Jul-05	NI	NI	NI	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<1	NU
Dec-05	NI	NI	NI	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Oct-06	NI	NI	NI	NA	146.0	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Apr-07	NI	NI	NI	NA	NA	<0.3 U	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.3	NU
Nov-07	NI	NI	NI	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Jun-08	NI	NI	NI	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Jun-09	NI	NI	NI	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Jul-10	NI	NI	NI	NA	0.2 U	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	34.0	NU
Dec-10	NI	NI	NI	NA	U	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.3 U	NU
Mar-11	0.2 U	0.2 U	0.2 U	NA	NA	NA	0.2 U	3.8	37.0	10.0 U	NI	NI	NI	NI	NI	NI	NI	NA	NU
Nov-11	NA	NA	NA	NA	NA	NA	0.2 U	15.0	14.0	NA	NI	NI	NI	NI	NI	NI	NI	NA	NU
Jun-12	NA	NA	NA	0.21 U	0.3 U	NA	0.3 U	1.9	NA	2.5 U	NI	NI	NI	NI	NI	NI	NI	NA	NU
Aug-12	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	41.0	NA	NI	NI	NI	NI	NI	NI	NI	150.0	NU
Mar-13	NA	0.2 U	NA	1.20	12.0 U	NA	0.3 U	0.3 J	100.0	NA	NI	NI	NI	NI	NI	NI	NI	9.0	NU
Aug-13	1.9	2.3	3.1	<0.16	<0.16	NA	3.2	1.1	160.0	1.20	NI	NI	NI	NI	NI	NI	NI	<0,16 U	NU
Feb-14	<0.160 U	<0.160 U	<0.160 U	1.17	1.2	NA	<0.160 U	1.5	102.0	0.70 J	NI	NI	NI	NI	NI	NI	NI	<0.160 U	NU
Jul-14	<0.16 U	<0.16 U	<0.16 U	<0.16	<0.16	<0.16 U	<0.16 U	<0.16	120	<0.16 U	NI	NI	NI	NI	NI	NI	NI	<0.16 U	NU
Oct-14	<0.15 U	<0.15 U	NS	<0.15 U	<3.0 U	<0.15 U	<0.15 U	1.8	53	<0.30 U	NI	NI	NI	NI	NI	NI	NI	<0.15 U	NU
Jan-15	<0.74 U	<0.74 U	<0.74 U	2.3	<15 U	<0.74 U	<0.74 U	1.1	97	<3.7 U	NI	NI	NI	NI	NI	NI	NI	<0.74 U	<0.74 U
Apr-15	<0.74 U	<0.74 U	<0.74 U	1.9	<15 U	<0.74 U	<0.74 U	2.8	51	<3.7 U	<0.74 U	<37 U	<0.74 U	<0.74 U	<0.74 U	<0.74 U	25	<0.74 U	<0.74 U
Trichloroethylene (TCE)	Type 4 RRS (µg/L)			5	Delineation Criteria (µg/L)			5											
Mar-93	NI	NI	NI	460.00	125.00	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NU
Mar-94	NI	NI	NI	U	680.00	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NU
Feb-96	NI	NI	NI	NA	500.00	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NU
Mar-96	NI	NI	NI	270.00	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NU
Sep-96	NI	NI	NI	400.00	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NU
Oct-96	NI	NI	NI	5,450.00	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NU
Apr-97	NI	NI	NI	180.00	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NU
Jul-97	NI	NI	NI	338.00	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NU
Oct-97	NI	NI	NI	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	U	NU
Feb-98	NI	NI	NI	238.00	336.00	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Jul-98	NI	NI	NI	86.00	680.00	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Nov-98	NI	NI	NI	NA	1,630.00	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU

Table 4-6: Shallow Groundwater Constituent of Concern Cumulative Analytical Results

Constituent of Concern/Well ID	Shallow Wells																		
Date	G-17	G-19	G-22	MW-2S	MW-4S	MW-15S*	MW-29	MW-31	MW-32	MW-33	MW-37S	MW-40S	MW-42S	MW-45S	MW-46S	MW-48S	MW-50S	PAW-3	MW-U2
Feb-99	NI	NI	NI	1.30	79.00	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	1,370.00	NU
Oct-99	NI	NI	NI	1.50	1,590.00	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
May-00	NI	NI	NI	1.50	1,807.00	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	826.00	NU
Jan-01	NI	NI	NI	2.90	5,940.00	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	803.00	NU
Aug-01	NI	NI	NI	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Aug-01	NI	NI	NI	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Nov-01	NI	NI	NI	NA	430.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Dec-01	NI	NI	NI	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Jan-02	NI	NI	NI	<1	NA	<1	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	726.00	NU
Sep-02	NI	NI	NI	NA	500.0	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	300.00	NU
Oct-03	NI	NI	NI	NA	680.0	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	340.00	NU
Jan-04	NI	NI	NI	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Nov-04	NI	NI	NI	NA	750.0	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	450.00	NU
May-05	NI	NI	NI	NA	50.0 U	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Jun-05	NI	NI	NI	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Jul-05	NI	NI	NI	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	640.00	NU
Dec-05	NI	NI	NI	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Oct-06	NI	NI	NI	NA	528.0	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Apr-07	NI	NI	NI	NA	NA	<0.3	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	230.00	NU
Nov-07	NI	NI	NI	NA	NA	NL	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Jun-08	NI	NI	NI	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Jun-09	NI	NI	NI	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Jul-10	NI	NI	NI	NA	48.0	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.24 U	NU
Dec-10	NI	NI	NI	NA	48.0	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	30.00	NU
Mar-11	0.24 U	0.24 U	0.24 U	NA	NA	NL	3.5	3.6	98.0	12.00 U	NI	NI	NI	NI	NI	NI	NI	NA	NU
Nov-11	NA	NA	NA	NA	NA	NA	0.24	4.4	44.0	NA	NI	NI	NI	NI	NI	NI	NI	NA	NU
Jun-12	NA	NA	NA	1.8	0.8 J	NL	0.17 U	1.3	NA	1.70 U	NI	NI	NI	NI	NI	NI	NI	NA	NU
Aug-12	0.24 U	0.24 U	NA	NA	NA	NA	NA	NA	140.0	NA	NI	NI	NI	NI	NI	NI	NI	0.29 J	NU
Mar-13	NA	0.24 U	NA	2.0	NA	NL	0.17 U	1.4	140.0	NA	NI	NI	NI	NI	NI	NI	NI	0.17 U	NU
Aug-13	<0.19	<0.19	0.85 J	<0.19	2,200.00 D	NL	1.90	3.2	150.0	<0.19	NI	NI	NI	NI	NI	NI	NI	<0.19	NU
Feb-14	<0.190	<0.190	<0.190	1.87	3.1	NL	<0.190	3.26	99.5	<0.190	NI	NI	NI	NI	NI	NI	NI	2.11	NU
Jul-14	<0.19	<0.19	<0.19	3.39	<0.19	<0.19	<0.19	<0.19	120.0	<0.19	NI	NI	NI	NI	NI	NI	NI	<0.19	NU
Oct-14	<0.13 U	<0.13 U	NS	0.20	85.0	<0.13 U	0.33 J	6.00	54.0	<0.26 U	NI	NI	NI	NI	NI	NI	NI	<0.15 U	NU
Jan-15	<0.48 U	<0.48 U	<0.48 U	1.40	<9.6 U	<0.48 U	<0.48 U	1.50	65.0	<2.4 U	NI	NI	NI	NI	NI	NI	NI	<0.48 U	<0.48 U
Apr-15	<0.48 U	<0.48 U	<0.48 U	1.0	<9.6 U	<0.48 U	<0.48 U	7.4	30	<2.4 U	0.49 J	370	<0.48 U	<0.48 U	0.59 J	<0.48 U	120	<0.48 U	<0.48 U
cis-1,2-Dichloroethylene	Type 4 RRS (µg/L)			204	Delineation Criteria (µg/L)			70											
Mar-93	NI	NI	NI	U	U	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NU
Mar-94	NI	NI	NI	U	U	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NU
Feb-96	NI	NI	NI	NA	U	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NU
Mar-96	NI	NI	NI	U	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NU
Sep-96	NI	NI	NI	U	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NU
Oct-96	NI	NI	NI	U	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NU
Apr-97	NI	NI	NI	U	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NU
Jul-97	NI	NI	NI	U	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NU
Oct-97	NI	NI	NI	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	3,330.0	NU
Feb-98	NI	NI	NI	8,920.0	838.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Jul-98	NI	NI	NI	U	U	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Nov-98	NI	NI	NI	NA	912.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Feb-99	NI	NI	NI	64.2	96.1	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	2,350.0	NU
Oct-99	NI	NI	NI	60.5	850.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
May-00	NI	NI	NI	22.8	956.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	1,390.0	NU
Jan-01	NI	NI	NI	31.2	7,580.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	1,500.0	NU
Aug-01	NI	NI	NI	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Aug-01	NI	NI	NI	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Nov-01	NI	NI	NI	NA	360.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Dec-01	NI	NI	NI	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Jan-02	NI	NI	NI	37.0	NA	<1	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	1,800.0	NU
Sep-02	NI	NI	NI	NA	660.0	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	740.0	NU
Oct-03	NI	NI	NI	NA	4,100.0	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	820.0	NU
Jan-04	NI	NI	NI	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Nov-04	NI	NI	NI	NA	4,800.0	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	1,800.0	NU
May-05	NI	NI	NI	NA	5,700.0	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU

Table 4-6: Shallow Groundwater Constituent of Concern Cumulative Analytical Results

Constituent of Concern/Well ID	Shallow Wells																																			
Date	G-17		G-19		G-22		MW-2S		MW-4S		MW-15S*		MW-29		MW-31		MW-32		MW-33		MW-37S		MW-40S		MW-42S		MW-45S		MW-46S		MW-48S		MW-50S		PAW-3		MW-U2	
Jun-05	NI		NI		NI		NA		NA		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NA		NU	
Jul-05	NI		NI		NI		NA		NA		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		1,900.0		NU	
Dec-05	NI		NI		NI		NA		NA		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NA		NU	
Oct-06	NI		NI		NI		NA		2,410.0		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NA		NU	
Apr-07	NI		NI		NI		NA		NA		4.5		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		1,050.0		NU	
Nov-07	NI		NI		NI		NA		NA		NL		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NL		NU	
Jun-08	NI		NI		NI		NA		NA		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NA		NU	
Jun-09	NI		NI		NI		NA		NA		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NA		NU	
Jul-10	NI		NI		NI		NA		930.0		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		2.5		NU	
Dec-10	NI		NI		NI		NA		930.0		NL		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		200.0		NU	
Mar-11	0.22	U	0.22	U	0.22	U	NA		NA		NA		5.8		15.0		220.0		5,100.0		NI		NI		NI		NI		NI		NI		NI		NA		NU	
Nov-11	NA		NA		NA		NA		NA		NA		0.22	U	4.4		110.0		NA		NI		NI		NI		NI		NI		NI		NI		NA		NU	
Jun-12	NA		NA		NA		0.96	J	4.6		NL		0.33	U	0.9	J	NA		1,300.0		NI		NI		NI		NI		NI		NI		NI		NA		NU	
Aug-12	0.22	U	0.22	U	NA		NA		NA		NA		NA		NA		270.0		NA		NI		NI		NI		NI		NI		NI		NI		0.29	J	NU	
Mar-13	NA		0.22	U	NA		2.4		3100.0		NL		0.33	U	2.3		540.0		NA		NI		NI		NI		NI		NI		NI		NI		0.23	U	NU	
Aug-13	<0.21		0.83		1.50		16.0		6,500.0		NL		1.5		6.9		720.0	D	1,100.0	D	NI		NI		NI		NI		NI		NI		NI		1.0	J	NU	
Feb-14	<0.210		<0.210		<0.210		11.8		639.0		NL		<0.21		7.14		775.0	D	2,230.0	D	NI		NI		NI		NI		NI		NI		NI		4.83		NU	
Jul-14	<0.21		<0.21		<0.21		3.64		608.0	D	<0.21		<0.21		1.81		626.0	D	66.7	D	NI		NI		NI		NI		NI		NI		NI		<0.21		NU	
Oct-14	<0.15	U	<0.15	U	NS		16.00		1,900.0		<0.15	U	0.35	J	12.00		320.0		340.0		NI		NI		NI		NI		NI		NI		NI		0.84	J	NU	
Jan-15	<0.41	U	<0.41	U	<0.41	U	0.56	J	1,600.0		<0.41	U	<0.41	U	3.10		350.0		650.0		NI		NI		NI		NI		NI		NI		NI		<0.41	U	<0.41	U
Apr-15	<0.41	U	<0.41	U	<0.41	U	<0.41	U	1400		<0.41	U	<0.41	U	18.00		140.0		270		5.5		5,300.0		<0.41	U	3.8		12		<0.41	U	1200		0.58	J	<0.41	U
Vinyl Chloride	Type 4 RRS (µg/L)						3		Delineation Criteria (µg/L)						2																							
Mar-93	NI		NI		NI		8,830.0		U		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NU	
Mar-94	NI		NI		NI		1,200.0		U		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NU	
Feb-96	NI		NI		NI		78.0		U		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NU	
Mar-96	NI		NI		NI		NA		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NU	
Sep-96	NI		NI		NI		280.0		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NU	
Oct-96	NI		NI		NI		676.0		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NU	
Apr-97	NI		NI		NI		2,200.0		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NU	
Jul-97	NI		NI		NI		380.0		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NU	
Oct-97	NI		NI		NI		NA		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		U		NU	
Feb-98	NI		NI		NI		2,530.0		2.4		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NA		NU	
Jul-98	NI		NI		NI		1,800.0		U		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NA		NU	
Nov-98	NI		NI		NI		NA		1.8		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NA		NU	
Feb-99	NI		NI		NI		30.9		U		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		623.0		NU	
Oct-99	NI		NI		NI		37.1		4.0		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NA		NU	
May-00	NI		NI		NI		9.8		7.6		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		130.0		NU	
Jan-01	NI		NI		NI		12.4		28.7		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		240.0		NU	
Aug-01	NI		NI		NI		NA		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NA		NU	
Aug-01	NI		NI		NI		NA		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NA		NU	
Nov-01	NI		NI		NI		NA		23.0		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NA		NU	
Dec-01	NI		NI		NI		NA		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NA		NU	
Jan-02	NI		NI		NI		34.0		NA		<1		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		160.0		NU	
Sep-02	NI		NI		NI		NA		<25		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		33.0		NU	
Oct-03	NI		NI		NI		NA		40.0		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		53.0		NU	
Jan-04	NI		NI		NI		NA		NA		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NA		NU	
Nov-04	NI		NI		NI		NA		73.0		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		130.0		NU	
May-05	NI		NI		NI		NA		74.0		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NA		NU	
Jun-05	NI		NI		NI		NA		NA		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NA		NU	
Jul-05	NI		NI		NI		NA		NA		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		120.0		NU	
Dec-05	NI		NI		NI		NA		NA		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NA		NU	
Oct-06	NI		NI		NI		NA		20.0	U	NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NA		NU	
Apr-07	NI		NI		NI		NA		NA		<0.4		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		138.0		NU	
Nov-07	NI		NI		NI		NA		NA		NL		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NL		NU	
Jun-08	NI		NI		NI		NA		NA		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NA		NU	
Jun-09	NI		NI		NI		NA		NA		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NA		NU	
Jul-10	NI		NI		NI		NA		28.0		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		1.8		NU	
Dec-10	NI		NI		NI		NA		28.0		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		33.0		NU	
Mar-11	0.3	U	0.3	U	0.3	U	NA		NA		NL		0.3	U	0.3	U	2.0	J	190.0		NI		NI		NI		NI		NI		NI		NI		NA		NU	
Nov-11	NA		NA		NA		NA		NA		NA		0.3	U	0.3	U	0.4	J	NA		NI		NI		NI		NI		NI		NI		NI		NA		NU	
Jun-12	NA		NA		NA		0.33	U	0.1	U	NL		0.2	U	0.2	U	NA		230.0		NI		NI		NI		NI		NI		NI		NI		NA		NU	
Aug-12	0.3	U	0.3	U	NA		NA		NA		NA		NA		NA		1.4	J	NA		NI		NI		NI		NI		NI		NI		NI		0.2	U	NU	

Table 4-6: Shallow Groundwater Constituent of Concern Cumulative Analytical Results

Constituent of Concern/Well ID	Shallow Wells																																									
Date	G-17		G-19		G-22		MW-2S		MW-4S		MW-15S*		MW-29		MW-31		MW-32		MW-33		MW-37S		MW-40S		MW-42S		MW-45S		MW-46S		MW-48S		MW-50S		PAW-3		MW-U2	
Mar-13	NA		**0.3**	U	NA		**0.33**	U	**44.0**		NL		**0.2**	U	**0.2**	U	**4.0**		NA		NI		NI		NI		NI		NI		NI		NI		**0.2**	U	NU	
Aug-13	<0.19	U	<0.19	U	<0.19	U	<0.19	U	**74.0**		NL		<0.19		<0.19		**2.9**		**150.0**		NI		NI		NI		NI		NI		NI		NI		<0.19		NU	
Feb-14	<0.19	U	<0.19	U	<0.19	U	<0.19	U	**29.4**		NL		<0.19		<0.19		**2.9**		**177.0**		NI		NI		NI		NI		NI		NI		NI		<0.19		NU	
Jul-14	<0.19	U	<0.19	U	<0.19	U	<0.19	U	**19.1**		<0.19	U	<0.19		<0.19		**2.29**		**104.00**		NI		NI		NI		NI		NI		NI		NI		<0.19		NU	
Oct-14	<0.18	U	<0.18	U	NS		**3.0**		**110.0**		<0.18	U	<0.18	U	<0.18	U	<0.9	U	**63.00**		NI		NI		NI		NI		NI		NI		NI		**0.84**	J	NU	
Jan-15	<0.50	U	<0.50	U	<0.50	U	<0.50	U	**64.0**		<0.50	U	<0.50	U	<0.50	U	**1.2**	J	**55.00**		NI		NI		NI		NI		NI		NI		NI		<0.50	U	<0.50	U
Apr-15	<0.50	U	<0.50	U	<0.50	U	<0.50	U	**53**		<0.50	U	<0.50	U	<0.50	U	**0.79**	J	**51**		<0.50	U	<25	U	<0.50	U	<0.50	U	**28**		<0.50	U	**67**		**1.1**		<0.50	U

Notes:

110.0 Value exceeds risk reduction standards
0.3 Value exceeds delineation criteria
All data prior to August 2013 reported by previous environmental consultants
U = Value is below detection limits
NA = Well not accessible
NS = Well not sampled
NI = Well not installed
NU = Well not utilized in groundwater sampling program
NL = Well not located
< = less than method detection limit (MDL)
J = this is an estimated value that is above the MDL but below the practical quantitation limit.
I*= not certain

Table 4-7: Deep Groundwater Constituent of Concern Cumulative Analytical Results

Constituent of Concern/Well ID	Deep Wells																													
Date	MW-2D	MW-11D	MW-14D	MW-15D	MW-26	MW-35	MW-36	MW-38D	MW-39D	MW-41D	MW-43D	MW-44D	MW-47D	MW-49D	MW-51D	MW-52D	MW-53D	MW-54D	MW-55D	MW-56D	PAW-4	RW-1	RW-2	RW-3	RW-4	RW-5	RW-6	RW-7
Tetrachloroethylene (PCE)	Type 4 RRS (µg/L)			98	Delineation Criteria (µg/L)			5																				
Mar-93	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Mar-94	49,000.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Feb-96	10,000.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Mar-96	120.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Sep-96	6.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Oct-96	15,880.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Apr-97	13,000.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Jul-97	10,000.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Oct-97	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	11.0	NI	NI	NI	NI	NI	NI	NI
Feb-98	7,750.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NI	NI	NI	NI	NI	NI	NI
Jul-98	24,000.0	40.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NI	NI	NI	NI	NI	NI	NI
Nov-98	26,200.0	2,010.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NI	NI	NI	NI	NI	NI	NI
Feb-99	18,300.0	752.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	5,650.0	NI	NI	NI	NI	NI	NI	NI
Oct-99	51,800.0	142.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NI	NI	NI	NI	NI	NI	NI
May-00	24,046.0	676.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	3,554.0	NI	NI	NI	NI	NI	NI	NI
Jan-01	6,240.0	14.7	<1	<1	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	3,270.0	NI	NI	NI	NI	NI	NI	NI
Aug-01	9,300.0	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NI	NI	NI	NI	NI	NI	NI
Aug-01	2,800.0	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NI	NI	NI	NI	NI	NI	NI
Nov-01	NA	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NI	NI	NI	NI	NI	NI	NI
Dec-01	NA	NA	10.0	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NI	NI	NI	NI	NI	NI	NI
Jan-02	NA	19.0	<1	<1	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	2,900.0	NI	NI	<25	NI	NI	NI	NI
Sep-02	NA	NA	<1	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	920.0	NI	350.0	NA	NI	NI	NI	NI
Oct-03	NA	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	1,300.0	NI	NA	NA	NI	NI	NI	NI
Jan-04	NA	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	2,300.0	2,000.0	<150	NI	NI	NI	NI
Nov-04	NA	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	1,400.0	2,200.0	17,000.0	NA	NI	NI	NI	NI
May-05	NA	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NA	NA	NA	NI	NI	NI	NI
Jun-05	NA	<2	<2	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NA	NA	NA	NI	NI	NI	NI
Jul-05	NA	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	1,500.0	2,100.0	11,000.0	90.0	NI	NI	NI	NI
Dec-05	NA	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NA	NA	NA	1,500.0	400.0	NI	4,500.0
Oct-06	NA	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	459.0	779.0	54.0	459.0	1,450.0	NI	9,680.0
Apr-07	NA	NA	NA	0.70 I*	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	654.0	NA	NA	NA	NA	NA	NI	NA
Nov-07	NA	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	1,900.0	NA	NA	1500.0	NA	NI	NA
Jun-08	NA	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NA	NA	NA	NA	NA	0.9 I*	NA
Jun-09	110.0	NA	NA	1.50	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	650.0	NA	190.0	460.0	3,100.0	NA	NA
Jul-10	NA	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.2 U	NA	NA	NA	NA	NA	NA	NA
Dec-10	NA	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	34.0	NA	NA	6,200.0	NA	NA	NA	15,000.0
Mar-11	120.0	0.2 U	0.21 U	0.21 U	0.2 U	1.4	1.0 U	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	590.0	28.0	NA	50.0	5,100.0	1.0 U	NA
Nov-11	NA	NA	NA	NA	0.2 U	0.2	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	590.0	490.0	50.0	NA	7,000.0	NA	7,700.0
Jun-12	55.0	NA	0.25 U	NA	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NA	NA	NA	NA	NA	NA	NA
Aug-12	NA	0.3 U	NA	NA	0.3 U	0.2	0.2 U	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.3 U	5.5	1,900.0	56.0	1,500.0	2,300.0	2.2	2,500.0
Mar-13	1.4	1.7	NA	NA	NA	NA	0.3	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.3 U	4.6	2,200.0	54.0	1,200.0	820.0	0.3 U	2,500.0
Aug-13	300.0 D	<0.16	NA	NL	<0.16 U	1.3	1.5	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	17.0	<0.16	350.0	36.0	950.0	4,500.0	4.6	11,000.0 D
Feb-14	482.0 D	<0.160	1.20 U	NL	<0.16 U	<0.160 U	<0.160 U	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	14.7	14.1	606.0	75.9	17.8	4,550.0	8.8	7,960.0 D
Jul-14	285.0 D	<0.16	2.61	NL	<0.16 U	<0.16 U	<0.16 U	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	22.0	5.53	94.7	2,650.0 D	79.6	2,000.0 D	<0.16	44,700.0 D
Oct-14	71.0	<0.15 U	1.2	NL	<0.15 U	<0.15 U	<0.15 U	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	3.1	31.00	<1.5 U	3,900.0	530.0	840.0	<0.30 U	17,000.0
Jan-15	280.0	<0.74	2.6	NL	<0.74 U	<0.74 U	<0.74 U	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	150.0	0.99 J	<0.74 U	<37 U	11.0	1,100.0	<0.74 U	400.0
Apr-15	370	<0.74 U	2.7	NL	<0.74 U	<0.74 U	<0.74 U	<0.74 U	<0.74 U	<0.74 U	<0.74 U	<0.74 U	36	<3.7 U	<3.7 U	<0.74 U	<0.74 U	<0.74 U	<7.4 U	<0.74 U	150	6.0	NS	NS	<0.74 U	NS	NS	NS
Trichloroethylene (TCE)	Type 4 RRS (µg/L)			5	Delineation Criteria (µg/L)			5																				
Mar-93	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Mar-94	680.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Feb-96	1600.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Mar-96	260.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Sep-96	11.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Oct-96	5,805.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Apr-97	U	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Jul-97	8,700.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Oct-97	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	121.0	NI	NI	NI	NI	NI	NI	NI
Feb-98	3,560.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NI	NI	NI	NI	NI	NI	NI
Jul-98	13,000.0	40.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NI	NI	NI	NI	NI	NI	NI
Nov-98	26,200.0	2,010.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NI	NI	NI	NI	NI	NI	NI
Feb-99	5,220.0	24.6	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NI	NI	NI	NI	NI	NI	NI
Oct-99	15,000.0	76.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NI	NI	NI	NI	NI	NI	NI
May-00	7,158.0	389.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	8.3	NI	NI	NI	NI	NI	NI	NI
Jan-01	2,290.0	4.0	<1	<1	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	5.3	NI	NI	NI	NI	NI	NI	NI
Aug-01	4,300.0	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NI	NI	NI	NI	NI	NI	NI
Aug-01	4,300.0	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NI	NI	NI	NI	NI	NI	NI
Nov-01	NA	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NI	NI	NI	NI	NI	NI	NI
Dec-01	NA	NA	2.9	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NI	NI	NI	NI	NI	NI	NI
Jan-02	NA	7.5	<1	<1	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	3.8	NI	NI	NI	NI	NI	NI	NI
Sep-02	NA	NA	<1	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	6.1	NI	380.0	180.0	NI	NI	NI	NI
Oct-03	NA	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.43	NI	NA	NA	NI	NI	NI	NI
Jan-04	NA	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	2,000.0	1,300.0	430.0	NI	NI	NI	NI
Nov-04	NA	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	200.0	4,900.0	NA	NI	NI	NI	NI
May-05	NA	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NA	NA	NA	NI	NI	NI	NI
Jun-05	NA	2.0	<1	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NA	NA	NA	NI	NI	NI	NI
Jul-05	NA	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<1	1,400.0	4,300.0	<20	NI	NI	NI	NI
Dec-05	NA	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NA	NA	NA	1,800.0	160.0	NI	1,300.0
Oct-06	NA	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	465.0	559.0	414.0	3,500.0	540.0	NI	5,440.0
Apr-07	NA	NA	NA	3.5	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	2.1	NA	NA	NA	NA	NA	NI	NA
Nov-07	NA	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	<10	NA	4,200.0	2,300.0	NA	NI	NA
Jun-08	NA	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NA	NA	NA	NA	NA	33.0	NA
Jun-09	97.0	NA	NA	2.1	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	140.0	NA	770.0	590.0	3,800.0	NA	NA
Jul-10	NA	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	30.0	NA	NA	NA	NA	NA	NA	NA
Dec-10	NA	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.3 U	NA	NA	4,600.0	NA	NA	NA	7,800.0
Mar-11	260.0	0.2	0.21	0.24 U	0.24 U	2.1	130.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	320.0	230.0	NA	910.0	1,600.0	1.2 U	NA
Nov-11	NA	NA	NA	NA	0.24 U	0.24 U	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	320.0	130.0	330.0	960.0	2,600.0	NA	3,500.0

Table 4-7: Deep Groundwater Constituent of Concern Cumulative Analytical Results

Constituent of Concern/Well ID	Deep Wells																												
Date	MW-2D	MW-11D	MW-14D	MW-15D	MW-26	MW-35	MW-36	MW-38D	MW-39D	MW-41D	MW-43D	MW-44D	MW-47D	MW-49D	MW-51D	MW-52D	MW-53D	MW-54D	MW-55D	MW-56D	PAW-4	RW-1	RW-2	RW-3	RW-4	RW-5	RW-6	RW-7
Jun-12	160.0	NA	0.25	NL	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NA	NA	NA	NA	NA	NA	NA
Aug-12	NA	0.3	NA	NA	0.17 U	0.24 U	0.67 I*	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	150.0	13.0	5,500.0	280.0	1,700.0	3,900.0	3.3	1,800.0
Mar-13	12.0	1.7	0.25	NL	NA	NA	0.57 J	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	9.0	12.0	1,700.0	300.0	1,200.0	1,400.0	1.2	2,300.0
Aug-13	490.0	<0.16	<0.16	NL	<0.19	<0.19	<0.19	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	9.0	0.57 J	680.0 D	430.0	760.0 D	1,200.0 D	0.96 J	5,700.0 D
Feb-14	715.0	<0.160	1.2	NL	<0.160	<0.190	<0.190	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	15.3	9.18	1,180.0 D	595.0	13.0	1,440.0 D	5.3	4,010.0 D
Jul-14	1,000.0 D	<0.19	2.26	NA	<0.19	<0.19	<0.19	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.19	<0.19	198.0	3,870.0 D	67.1	1,550.0 D	<0.19	38,200.0 D
Oct-14	370.0	<0.13 U	1.20	NL	<0.13 U	<0.13 U	<0.13 U	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	2.6	37.0	3.3 J	7,400.0	660.0	1,000.0	0.37 J	11,000.0
Jan-15	1,100.0	<0.48 U	2.20	NL	<0.48 U	<0.48 U	<0.48 U	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	37.0	1.8	2.0	34.0 J	29.0	1,700.0	<0.48 U	740.0
Apr-15	1,200	<0.48 U	2.0	NL	<0.48 U	<0.48 U	<0.48 U	<0.48 U	<0.48 U	<0.48 U	<0.48 U	11	29	2.4 J	<2.4 U	<0.48 U	<0.48 U	<0.48 U	<4.8 U	<0.48 U	29	4.3	NS	NS	0.94 J	NS	NS	NS
cis-1,2-Dichloroethylene	Type 4 RRS (µg/L)			204	Delineation Criteria (µg/L)			70																				
Mar-93	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Mar-94	U	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Feb-96	<.21	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Mar-96	<0.21	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Sep-96	<0.21	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Oct-96	<0.21	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Apr-97	U	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Jul-97	<.21	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Oct-97	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	3,990.0	NI	NI	NI	NI	NI	NI	NI
Feb-98	3,450.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NI	NI	NI	NI	NI	NI	NI
Jul-98	<0.21	U	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NI	NI	NI	NI	NI	NI	NI
Nov-98	11,200.0	766.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NI	NI	NI	NI	NI	NI	NI
Feb-99	7,680.0	42.9	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	1,250.0	NI	NI	NI	NI	NI	NI	NI
Oct-99	14,000.0	95.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NI	NI	NI	NI	NI	NI	NI
May-00	9,470.0	422.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	131.0	NI	NI	NI	NI	NI	NI	NI
Jan-01	2,280.0	3.5	<1	<1	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	79.7	NI	NI	NI	NI	NI	NI	NI
Aug-01	5,400.0	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NI	NI	NI	NI	NI	NI	NI
Aug-01	5,200.0	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NI	NI	NI	NI	NI	NI	NI
Nov-01	NA	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NI	NI	NI	NI	NI	NI	NI
Dec-01	NA	NA	1.6	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NI	NI	NI	NI	NI	NI	NI
Jan-02	NA	3.9	<1	<1	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	61.0	NI	NI	NI	NI	NI	NI	NI
Sep-02	NA	NA	<1	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	17.0	NI	630.0	1,500.0	NI	NI	NI	NI
Oct-03	NA	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	9.8	NI	NA	NA	NI	NI	NI	NI
Jan-04	NA	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	2,300.0	1,500.0	4,200.0	NI	NI	NI	NI
Nov-04	NA	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	4.4	2,800.0	7,000.0	NA	NI	NI	NI	NI
May-05	NA	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NA	NA	NA	NI	NI	NI	NI
Jun-05	NA	10.0	<1	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	4.0	NA	NA	NA	NI	NI	NI	NI
Jul-05	NA	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	1,700.0	7,600.0	<20	NI	NI	NI	NI
Dec-05	NA	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NA	NA	NA	2,000.0	120.0	NI	81,000.0
Oct-06	NA	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	804.0	1,990.0	3,110.0	4,220.0	2,090.0	NI	16,500.0
Apr-07	NA	NA	NA	4.8	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	4.3	NA	NA	NA	2,100.0	NA	NI	NA
Nov-07	NA	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NL	1,100.0	NA	6,300.0	NA	NA	NI	NA
Jun-08	NA	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NA	NA	NA	NA	NA	11.0	NA
Jun-09	360.0	NA	NA	3.2	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	200.0	NA	4,100.0	2,200.0	9,300.0	37.0	NA
Jul-10	NA	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	200.0	NA	NA	NA	NA	NA	NA	NA
Dec-10	NA	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	2.5	NA	NA	8,500.0	NA	NA	NA	8,700.0
Mar-11	1800.0	18.0	0.22 U	0.22 U	0.22 U	14.0	300.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	850.0	3,500.0	NA	2,900.0	7,600.0	2.8 J	NA
Nov-11	NA	NA	NA	NA	0.22 U	0.22 U	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	850.0	170.0	2,700.0	2,900.0	20,000.0	NA	6,700.0
Jun-12	650.0	NA	0.33 U	NL	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NA	NA	NA	NA	NA	NA	NA
Aug-12	NA	0.7 J	NA	NA	0.33 U	0.22 U	3.9	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	12.0	37.0	6,700.0	1,200.0	3,100.0	5,800.0	1.7	4,400.0
Mar-13	61.0	0.3 J	1.6	NL	NA	NA	2.6	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	14.0	30.0	7,400.0	1,700.0	2,600.0	4,100.0	1.7	7,400.0
Aug-13	890.0 D	1.7	2.6	NL	<0.21	<0.21	2.5	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	86.0	6.9	4,800.0 D	3,500.0 D	1,200.0 D	9,200.0 D	3.3	11,000.0
Feb-14	4,610.0 D	<0.210	5.16	NL	<0.21	<0.21	0.73 J	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	43.1	31.2	2,760.0 D	3,170.0 D	20.7	1,840.0 D	8.24	10,200.0
Jul-14	1,780.0 D	<0.21	7.31	NA	<0.21	<0.21	<0.21	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	58.6	21.0	1,000.0 D	6,990.0 D	87.4	3,070.0 D	6.4	78,900.0 D
Oct-14	1,600.0	0.96 J	4.00	NL	<0.15 U	<0.15 U	1.4	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	74.0	58.0	1,100.0	11,000.0	850.0	2,000.0	120.0	19,000.0
Jan-15	3,100.0	<0.41 U	5.70	NL	<0.41 U	<0.41 U	1.1	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	66.0	9.5	7.0	5,300.0	28.0	4,600.0	6.0	5,100.0
Apr-15	4,600	<0.41 U	5.2	NL	<0.41 U	<0.41 U	1.0	<0.41 U	<0.41 U	<0.41 U	<0.41 U	18	39	450	400	<0.41 U	2.9	8	1,600	1.7	38	8.8	NS	NS	1.8	NS	NS	NS
Vinyl Chloride	Type 4 RRS (µg/L)			3	Delineation Criteria (µg/L)			2																				
Mar-93	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Mar-94	U	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Feb-96	31.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Mar-96	1,000.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Sep-96	1,300.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Oct-96	676.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Apr-97	140.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Jul-97	5,400.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Oct-97	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	678.0	NI	NI	NI	NI	NI	NI	NI
Feb-98	120.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NI	NI	NI	NI	NI	NI	NI
Jul-98	620.0	U	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NI	NI	NI	NI	NI	NI	NI
Nov-98	561.0	2.6	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NI	NI	NI	NI	NI	NI	NI
Feb-99	187.0	U	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	467.0	NI	NI	NI	NI	NI	NI	NI
Oct-99	900.0	1.2	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NI	NI	NI	NI	NI	NI	NI
May-00	386.0	7.9	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	122.0	NI	NI	NI	NI	NI	NI	NI
Jan-01	102.0	<1	<1	<1	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	144.0	NI	NI	NI	NI	NI	NI	NI
Aug-01	250.0	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NI	NI	NI	NI	NI	NI	NI
Aug-01	360.0	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NI	NI	NI	NI	NI	NI	NI
Nov-01	NA	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NI	NI	NI	NI	NI	NI	NI
Dec-01	NA	NA	<1	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NI	NI	NI	NI	NI	NI	NI
Jan-02	NA	<1	<1	<1	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	66.0	NI	NI	NI	NI	NI	NI	NI
Sep-02	NA	NA	<1	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	13.0	NI	<1	52.0	NI	NI	NI	NI
Oct-03	NA	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	28.0	NI	NA	NA	NI	NI	NI	NI
Jan-04	NA	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	150.0	68.0	350.0	NI	NI	NI	NI
Nov-04	NA	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	9.2	300.0	290.0	NA	NI	NI	NI	NI
May-05	NA	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NA	NA	NA	NI	NI	NI	NI
Jun-05	NA	<1 U	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NA	NA	NA	NI	NI	NI	NI
Jul-05	NA	NA	<1	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	10.0	180.0	620.0	<20	NI	NI	NI	NI
Dec-05	NA	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NA	NA	NA	82.0	<5	NI	130.0

Table 4-7: Deep Groundwater Constituent of Concern Cumulative Analytical Results

Constituent of Concern/Well ID: Deep Wells

Date	MW-2D	MW-11D	MW-14D	MW-15D	MW-26	MW-35	MW-36	MW-38D	MW-39D
Oct-06	NA	NA	NA	NA	NI	NI	NI	NI	NI
Apr-07	NA	NA	NA	<0.4	NI	NI	NI	NI	NI
Nov-07	NA	NA	NA	NA	NI	NI	NI	NI	NI
Jun-08	NA	NA	NA	NA	NI	NI	NI	NI	NI
Jun-09	38.0	NA	NA	0.48 U	NI	NI	NI	NI	NI
Jul-10	NA	NA	NA	NA	NI	NI	NI	NI	NI
Dec-10	NA	NA	NA	NA	NI	NI	NI	NI	NI
Mar-11	130.0	3.1	0.33 U	0.33 U	0.3 U	0.3 U	9.0	NI	NI
Nov-11	NA	NA	NA	NA	0.3 U	0.3 U	NA	NI	NI
Jun-12	70.0	NA	0.18 U	NL	NA	NA	NA	NI	NI
Aug-12	NA	0.5 J	NA	NA	0.2 U	0.3 U	0.3 U	NI	NI
Mar-13	32.0	0.2 U	0.18 U	NL	NA	NA	0.2 U	NI	NI
Aug-13	92.0	<0.19 U	<0.19 U	NL	<0.19	<0.19	<0.19	NI	NI
Feb-14	270.0 D	<0.19 U	<0.19 U	NL	<0.19	<0.19	<0.19	NI	NI
Jul-14	162.0	<0.19 U	<0.19 U	NA	<0.190	<0.19	<0.19	NI	NI
Oct-14	290.0	<0.18 U	<0.18 U	NL	<0.18 U	<0.18 U	<0.18 U	NI	NI
Jan-15	220.0	<0.50 U	<0.50 U	NL	<0.50 U	<0.50 U	<0.50 U	NI	NI
Apr-15	270	<0.50 U	<0.50 U	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U

Date	MW-41D	MW-43D	MW-44D	MW-47D	MW-49D	MW-51D	MW-52D	MW-53D	MW-54D	MW-55D
Oct-06	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Apr-07	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Nov-07	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Jun-08	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Jun-09	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Jul-10	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Dec-10	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Mar-11	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Nov-11	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Jun-12	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Aug-12	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Mar-13	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Aug-13	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Feb-14	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Jul-14	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Oct-14	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Jan-15	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Apr-15	<0.50 U	<0.50 U	0.52 J	<0.50 U	21	120	<0.50 U	<0.50 U	12	140

Date	MW-56D	PAW-4	RW-1	RW-2	RW-3	RW-4	RW-5	RW-6	RW-7
Oct-06	NI	NA	121.0	<40	139.0	196.0	69.8	NI	262.0
Apr-07	NI	3.8	NA	NA	190.0	NA	NA	NI	NA
Nov-07	NI	NL	130.0	NA	NA	150.0	NA	NI	NA
Jun-08	NI	NA	NA	NA	NA	NA	NA	<0.52	NA
Jun-09	NI	NA	52.0	NA	100.0	170.0	89.0	0.7 J	NA
Jul-10	NI	33.0	NA	NA	NA	NA	NA	NA	NA
Dec-10	NI	33.0	NA	NA	190.0	NA	NA	NA	160.0
Mar-11	NI	NA	47.0	430.0	NA	280.0	970.0	1.6 U	NA
Nov-11	NI	NA	47.0	38.0	68.0	110.0	1600.0	NA	130.0
Jun-12	NI	NA	NA	NA	NA	NA	NA	NA	NA
Aug-12	NI	1.4	4.7	210.0	34.0	96.0	170.0	0.2 U	100.0
Mar-13	NI	3.7	9.8	340.0	76.0	250.0	200.0	0.2 U	240.0
Aug-13	NI	25.0	3.8	370.0 D	160.0	42.0	650.0	<0.19	490.0 D
Feb-14	NI	3.7	5.6	206.0 D	162.0	3.4	91.9	<0.19	355.0
Jul-14	NI	12.2	4.14	76.2	236.0 D	4.04	88.5	<0.19	573.0
Oct-14	NI	37.0	22.00	280.0	330.0	43.00	62.0	4.5	780.0
Jan-15	NI	5.0	3.00	2.1	370.0	2.10	220.0	<0.50 U	550.0
Apr-15	<0.50 U	3.1	1.1	NS	NS	0.83 J	NS	NS	NS

Notes:

110.0

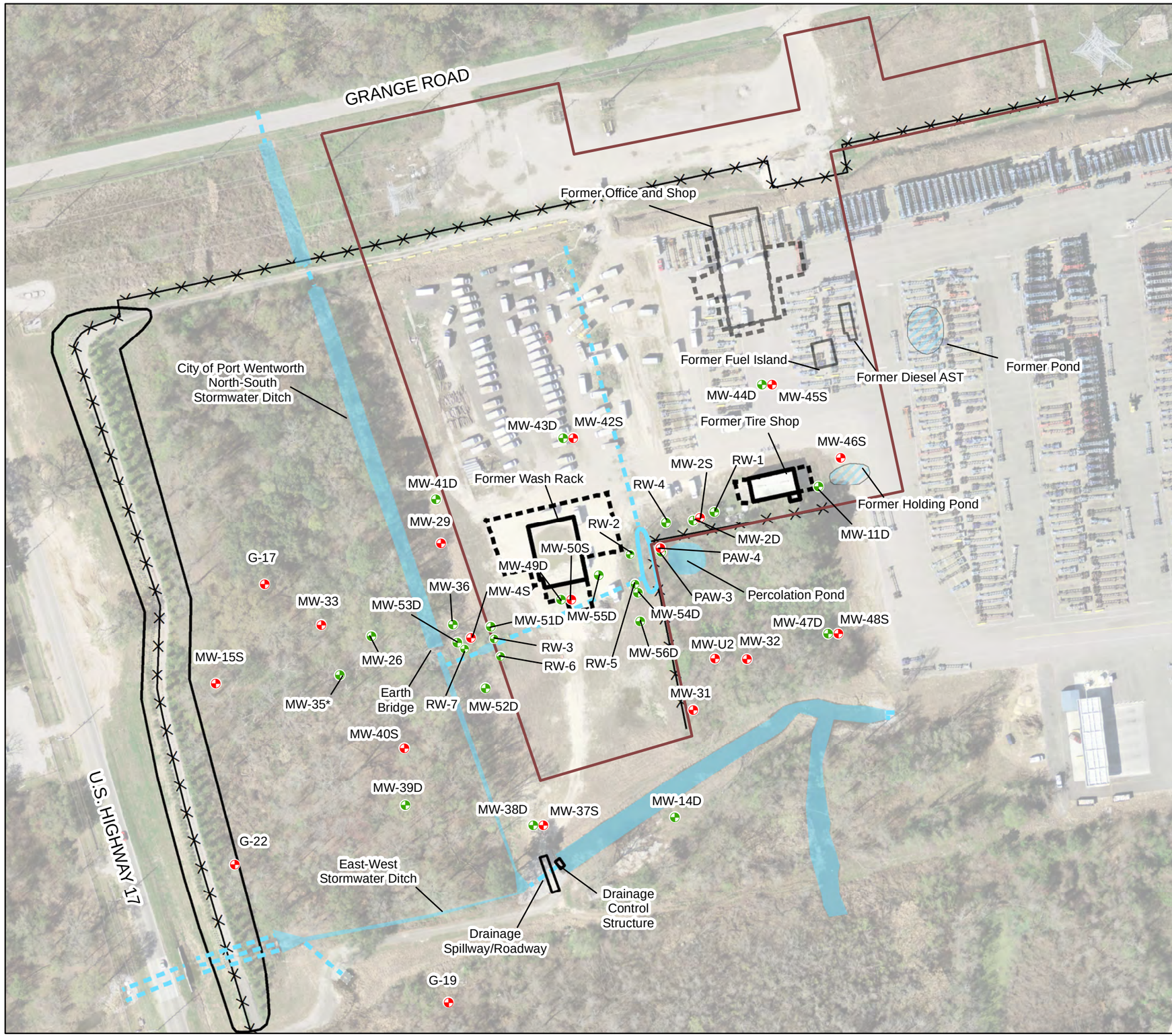
0.3

All data prior to August 2013 reported by previous environmental consultants
U = Value is below detection limits
NA = Well not accessible
NS = Well not sampled
NI = Well not installed
NU = Well not utilized in groundwater sampling program
NL = Well not located
< = less than method detection limit (MDL)
J = this is an estimated value that is above the MDL but below the practical quantitation limit.
I*= not certain

HSI SITE 10406, FORMER MCKENZIE TANK LINES SITE

THIRD SEMI-ANNUAL PROGRESS REPORT

FIGURES



Legend

WELL I.D.

- SHALLOW WELLS
- DEEP WELLS
- * WELL LOCATION IS ESTIMATED FROM FIELD MEASURMENTS

SITE FEATURES

- BERM OUTLINE
- SECURITY FENCE
- BELOW GRADE DRAINAGE PIPES
- BUILDINGS
- CONCRETE APRONS
- SWALES
- WATER FEATURES
- FORMER MCKENZIE PROPERTY BOUNDARY
- FORMER WATER FEATURE

NOTES: AERIAL PHOTO IS FROM USGS 0.15m RESOLUTION ORTHOIMAGERY DATABASE. FORMER MCKENZIE PROPERTY BOUNDARY IS DERIVED FROM HISTORICAL TAX PLAT MAPS AVAILABLE FROM THE CHATHAM COUNTY TAX ASSESSORS OFFICE. WELL LOCATIONS AND OTHER SITE FEATURES ARE BASED UPON SURVEYS CONDUCTED BY BREWER LAND SURVEYING COMPANY IN OCTOBER 2013 AND EMC ENGINEERING SERVICES IN JUNE 2015. OTHER FORMER SITE FEATURES WERE PLOTTED BASED UPON HISTORICAL SITE MAPS FROM McKENZIE TANK LINES. WELLS SCREENED AT INTERVALS APPROXIMATELY BETWEEN 10 AND 20 FEET BELOW GROUND SURFACE ARE CONSIDERED SHALLOW WELLS. WELLS SCREENED AT INTERVALS APPROXIMATELY 20 FEET OR GREATER BELOW GROUND SURFACE ARE CONSIDERED DEEP WELLS.

N

150 75 0 150 Feet

DESIGNED BY: A.G.	REVISIONS		DATE: 11/18/2015
	NO.	DATE	SCALE: SEE BAR SCALE
DRAWN BY: A.G.			SHEET NO.: 1 OF 1
CHECKED BY: A.S.			
APPROVED BY: R.M.			

FIGURE 1-1: SITE LAYOUT MAP

MCKENZIE TANK LINES
111 GRANGE ROAD
PORT WENTWORTH, GEORGIA 31047

ENVIRONMENTAL INTERNATIONAL CORP.
161 KIMBALL BRIDGE RD
ALPHARETTA, GEORGIA 30009

Legend

WELL I.D.

- SHALLOW WELLS
- DEEP WELLS
- TREATMENT SYSTEM (TS) WELLS

* WELL LOCATION IS ESTIMATED FROM FIELD MEASURMENTS

SITE FEATURES

- BERM OUTLINE
- SECURITY FENCE
- DRAINAGE PIPES
- BUILDINGS
- CONCRETE APRONS
- SWALES
- WATER FEATURES
- FORMER MCKENZIE PROPERTY BOUNDARY
- FORMER WATER FEATURE

NOTES: AERIAL PHOTO IS FROM USGS 0.15m RESOLUTION ORTHOIMAGERY DATABASE. FORMER MCKENZIE PROPERTY BOUNDARY IS DERIVED FROM HISTORICAL TAX PLAT MAPS AVAILABLE FROM THE CHATHAM COUNTY TAX ASSESSORS OFFICE. WELL LOCATIONS AND OTHER SITE FEATURES, WITH THE EXCEPTION OF THE LOCATED WELLS, ARE BASED UPON SURVEY CONDUCTED BY BREWER LAND SURVEYING COMPANY IN OCTOBER 2013. OTHER FORMER SITE FEATURES WERE PLOTTED BASED UPON HISTORICAL SITE MAPS FROM McKENZIE TANK LINES. WELLSSCREENED AT INTERVALS APPROXIMATELY BETWEEN 10 AND 20 FEET BELOW GROUND SURFACE ARE CONSIDERED SHALLOW WELLS. WELLS SCREENED AT INTERVALS APPROXIMATELY 20 FEET OR GREATER BELOW GROUND SURFACE ARE CONSIDERED DEEP WELLS.

N

10 5 0 10 Feet

DESIGNED BY: A.G.	REVISIONS		DATE: 11/17/2015
	NO.	DATE	SCALE: SEE BAR SCALE
DRAWN BY: A.G.			SHEET NO.: 1 OF 1
CHECKED BY: A.S.			
APPROVED BY: R.M.			

FIGURE 4-1: APPROXIMATE DISCOVERED WELL LOCATIONS

MCKENZIE TANK LINES
111 GRANGE ROAD
PORT WENTWORTH, GEORGIA 31047

ENVIRONMENTAL INTERNATIONAL CORP.
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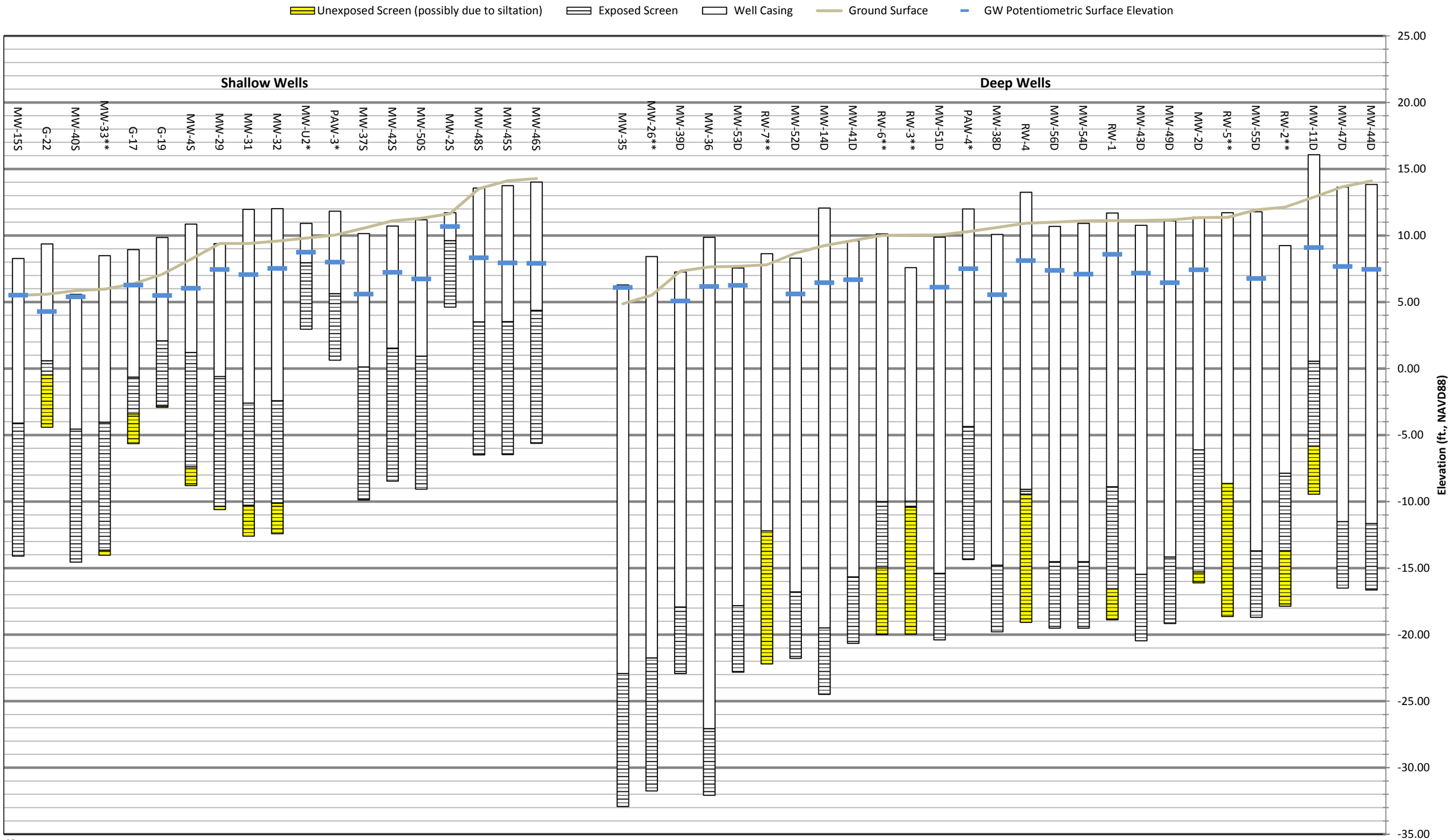
Figure 4-2: Monitoring/Recovery Well Screen Evaluation



Notes:
* = Historical well construction information is not available for well, therefore, measurements represented in this figure are derived form EIC field measurements.
** = Wells were not gauged during April 2015 gauging and sampling event.
- Groundwater potentiometric surface elevations for each well were based on the April 2015 monitoring and gauging event. All available wells in good condition were gauged during this event.
- As EIC installed monitoring wells MW-37S through 56D, accurate well construction information is available for these wells and this information was utilized in creating this figure.
- All other well construction data represented in this figure was derived from reports by former consultants.
- Wells are seperated by their deep and shallow designations and ordered from least to greatest ground surface elevation near the well (left to right). The general site ground surface slopes downward from northeast to southwest at the former McKenzie Tank Lines site.
- Well diameters and horizontal coordinates are not horizontally to scale.

Legend

SHALLOW WELLS

SITE FEATURES

- BERM OUTLINE
- SECURITY FENCE
- DRAINAGE PIPES
- BUILDINGS
- CONCRETE APRONS
- SWALES
- WATER FEATURES
- FORMER MCKENZIE PROPERTY BOUNDARY

GROUNDWATER CONTOURS

- GROUNDWATER CONTOURS (1 FOOT INTERVALS)
- ESTIMATED GROUNDWATER CONTOURS
- 8.93 GROUNDWATER ELEVATIONS (FT., NAVD 88)
- 10.49* GROUNDWATER ELEVATION NOT CONSIDERED AS SCREENED INTERVAL IS BETWEEN 0 TO 10 FEET BGS

NOTES: AERIAL PHOTO IS FROM USGS 0.15m RESOLUTION ORTHOIMAGERY DATABASE. FORMER MCKENZIE PROPERTY BOUNDARY IS DERIVED FROM HISTORICAL TAX PLAT MAPS AVAILABLE FROM THE CHATHAM COUNTY TAX ASSESSORS OFFICE. WELL LOCATIONS AND OTHER SITE FEATURES ARE BASED UPON SURVEY CONDUCTED BY BREWER LAND SURVEYING COMPANY IN OCTOBER 2013. WELLS SCREENED AT INTERVALS APPROXIMATELY BETWEEN 10 AND 20 FEET ARE CONSIDERED SHALLOW WELLS.

N

150 75 0 150 Feet

DESIGNED BY: S.F.H.	REVISIONS		DATE: 7/9/2015
	NO.	DATE	SCALE: SEE BAR SCALE
DRAWN BY: S.F.H.			SHEET NO.: 1 OF 1
CHECKED BY: A.S.			
APPROVED BY: R.M.			

FIGURE 4-3: APRIL 2015 SHALLOW GROUNDWATER POTENTIOMETRIC SURFACE MAP

MCKENZIE TANK LINES
111 GRANGE ROAD
PORT WENTWORTH, GEORGIA 31407

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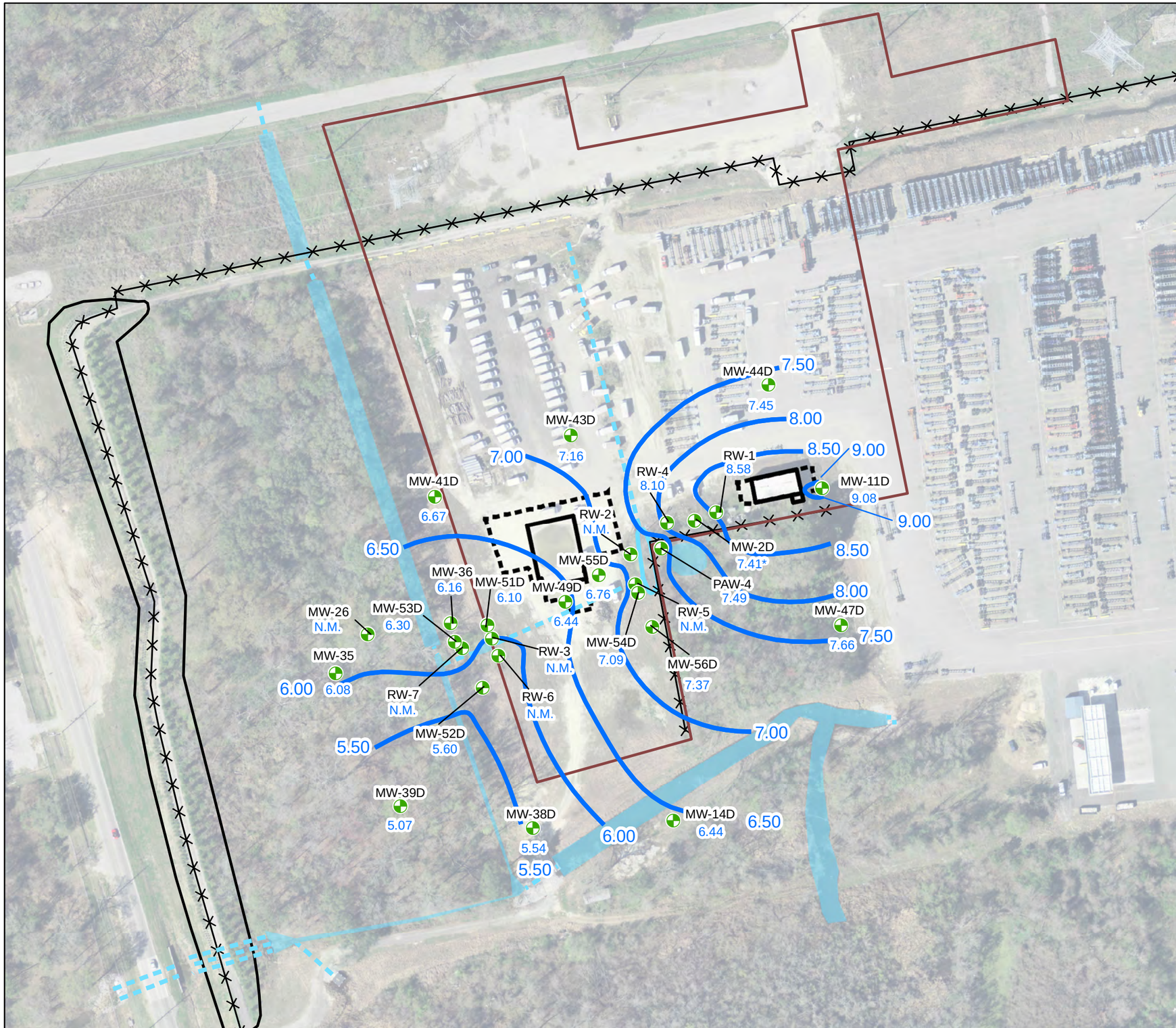
161 KIMBALL BRIDGE RD
ALPHARETTA, GEORGIA 30009



Legend

DEEP WELLS

SITE FEATURES

- BERM OUTLINE
- SECURITY FENCE
- DRAINAGE PIPES
- BUILDINGS
- CONCRETE APRONS
- SWALES
- WATER FEATURES
- FORMER MCKENZIE PROPERTY BOUNDARY

GROUNDWATER CONTOURS

- GROUNDWATER CONTOURS (1 FOOT INTERVALS)
- ESTIMATED GROUNDWATER CONTOURS
- 7.04 GROUNDWATER ELEVATIONS (FT., NAVD 88)
- 7.41* DATA NOT CONSIDERED FOR CONTOURS
- N.M. NOT MEASURED

NOTES: AERIAL PHOTO IS FROM USGS 0.15m RESOLUTION ORTHOIMAGERY DATABASE. FORMER MCKENZIE PROPERTY BOUNDARY IS DERIVED FROM HISTORICAL TAX PLAT MAPS AVAILABLE FROM THE CHATHAM COUNTY TAX ASSESSORS OFFICE. WELL LOCATIONS AND OTHER SITE FEATURES ARE BASED UPON SURVEY CONDUCTED BY BREWER LAND SURVEYING COMPANY IN OCTOBER 2013. WELLS SCREENED AT INTERVALS APPROXIMATELY 20 FEET OR GREATER BELOW GROUND SURFACE ARE CONSIDERED DEEP WELLS.

N

150 75 0 150 Feet

DESIGNED BY: A.G.	REVISIONS NO.	DATE	DATE: 11/16/2015
DRAWN BY: S.F.H.			SCALE: SEE BAR SCALE
			SHEET NO.: 1 OF 1
CHECKED BY: A.S.			
APPROVED BY: R.M.			

FIGURE 4-4: APRIL 2015 DEEP GROUNDWATER POTENTIOMETRIC SURFACE MAP

MCKENZIE TANK LINES
111 GRANGE ROAD
PORT WENTWORTH, GEORGIA 31407

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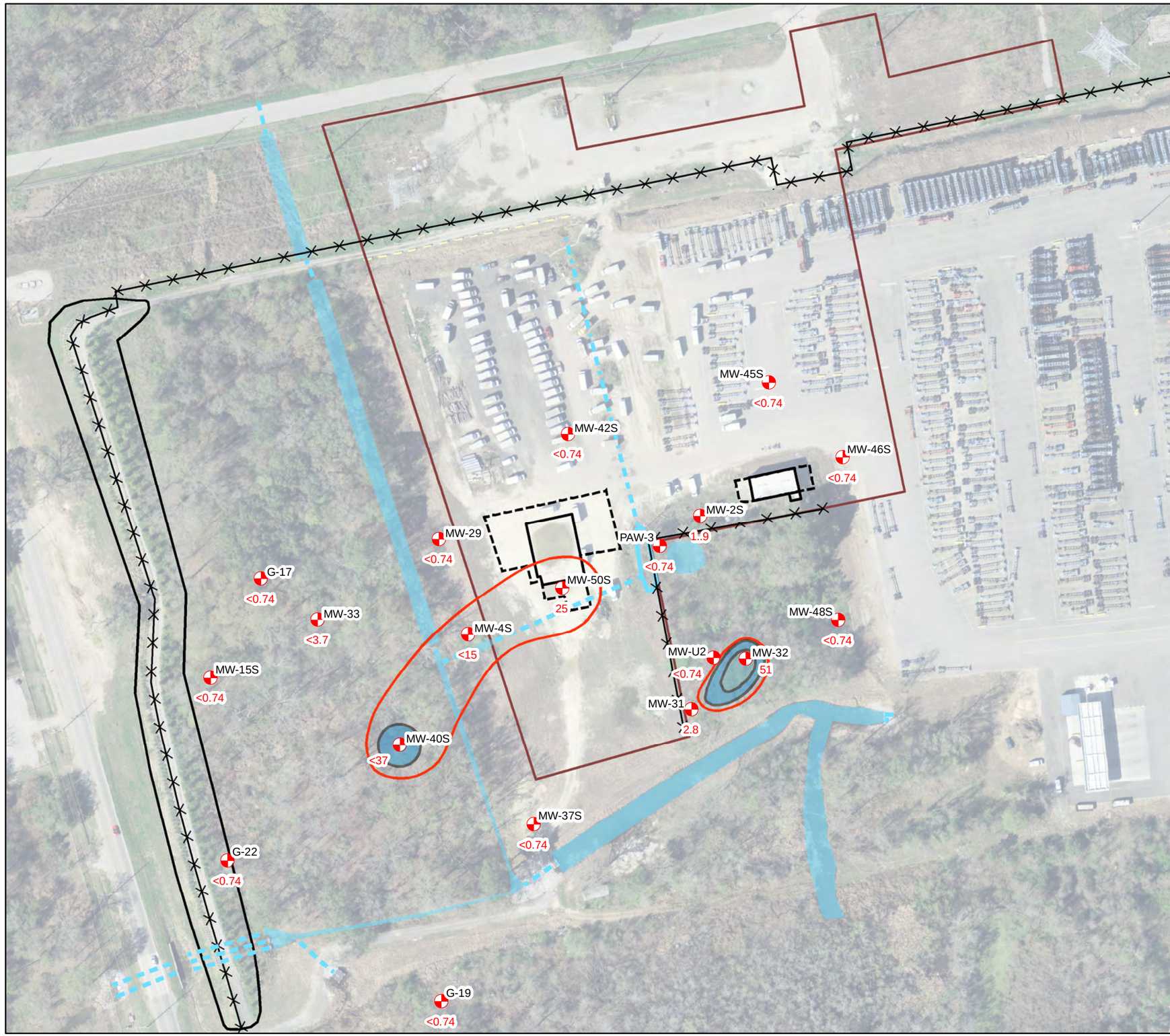
161 KIMBALL BRIDGE RD
ALPHARETTA, GEORGIA 30009



Legend

SITE FEATURES

- BERM OUTLINE
- SECURITY FENCE
- DRAINAGE PIPES
- BUILDINGS
- CONCRETE APRONS
- SWALES
- WATER FEATURES
- FORMER MCKENZIE PROPERTY BOUNDARY
- SHALLOW WELLS

PCE CONCENTRATIONS

CONTOURS

- DELINIATION CRITERION OF 5 µg/L
- RRS TYPE 4 OF 98 µg/L

LABELS

MW-40S WELL ID
<0.74 CONCENTRATION IN µg/L

CONCENTRATIONS IN µg/L

- 25 - 50
- 50 - 100
- 100 - 250
- 250 - 500
- 500 - 1,000
- 1,000 - 2,500
- 2,500 - 5,000
- 5,000 - 10,000
- 10,000+

NOTES: AERIAL PHOTO IS FROM USGS 0.15m RESOLUTION ORTHOIMAGERY DATABASE. FORMER MCKENZIE PROPERTY BOUNDARY IS DERIVED FROM HISTORICAL TAX PLAT MAPS AVAILABLE FROM THE CHATHAM COUNTY TAX ASSESSORS OFFICE. WELL LOCATIONS AND OTHER SITE FEATURES ARE BASED UPON SURVEYS CONDUCTED BY BREWER LAND SURVEYING COMPANY IN OCTOBER 2013 AND EMC ENGINEERING SERVICES IN JUNE 2015. WELLS SCREENED AT INTERVALS APPROXIMATELY BETWEEN 10 AND 20 FEET ARE CONSIDERED SHALLOW WELLS.

N

150 75 0 150 Feet

DESIGNED BY: A.G.	REVISIONS		DATE: 11/17/2015
	NO.	DATE	SCALE: SEE BAR SCALE
DRAWN BY: A.G.			SHEET NO.: 1 OF 1
CHECKED BY: A.S.			
APPROVED BY: R.M.			

FIGURE 4-5: APRIL 2015 SHALLOW PCE ISOCONCENTRATION MAP

MCKENZIE TANK LINES
111 GRANGE ROAD
PORT WENTWORTH, GEORGIA 31407

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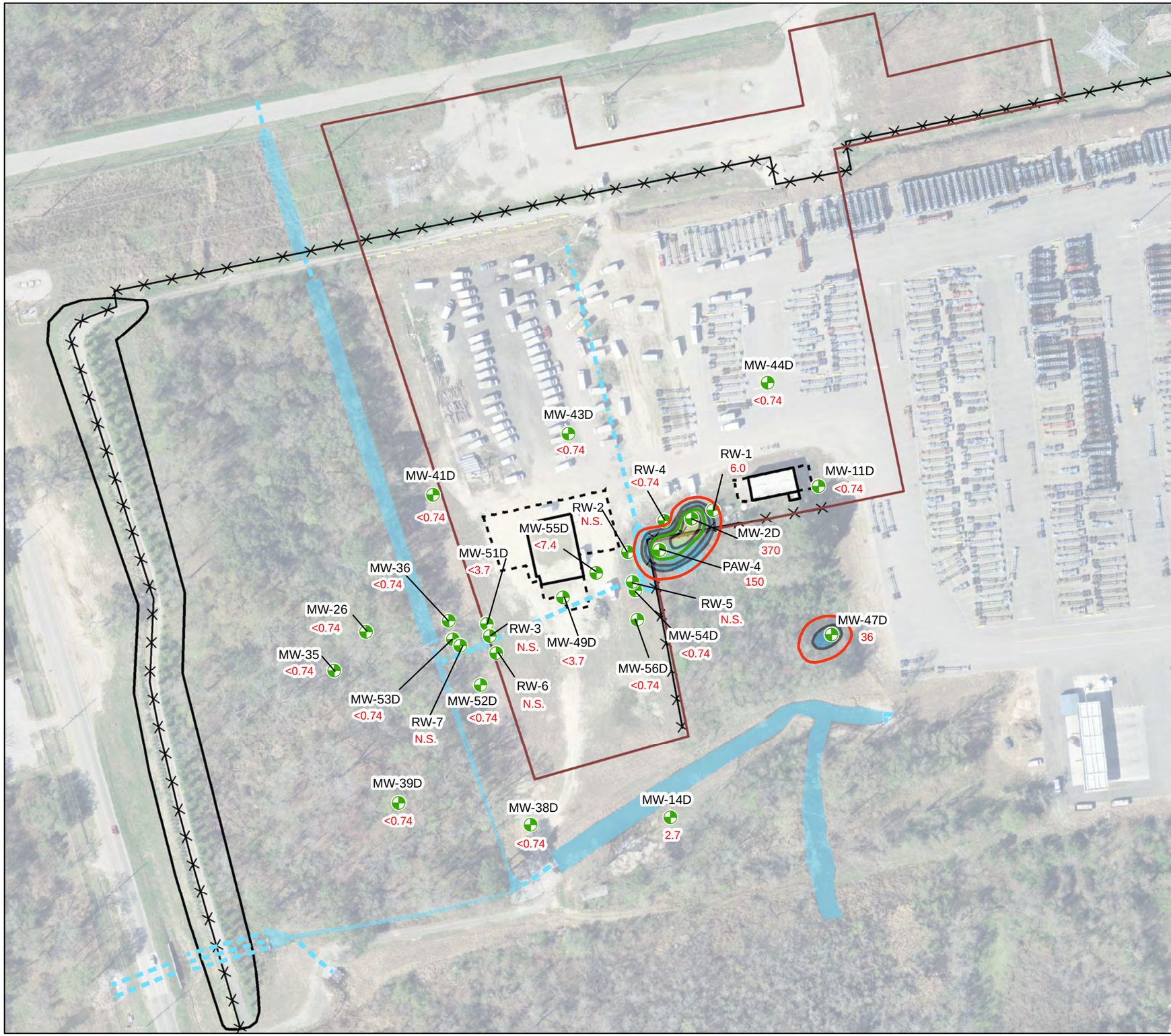
ALPHARETTA, GEORGIA 30009



Legend

SITE FEATURES

- BERM OUTLINE
- SECURITY FENCE
- DRAINAGE PIPES
- BUILDINGS
- CONCRETE APRONS
- SWALES
- WATER FEATURES
- FORMER MCKENZIE PROPERTY BOUNDARY
- DEEP WELLS

PCE CONCENTRATIONS

CONTOURS

- DELINIATION CRITERION OF 5 µg/L
- RRS TYPE 4 OF 98 µg/L

LABELS

MW-53D	WELL ID
<0.150	CONCENTRATION IN µg/L
N.S.	NOT SAMPLED

CONCENTRATION GRADIENT (µg/L)

- 25 - 50
- 50 - 100
- 100 - 250
- 250 - 500
- 500 - 1,000
- 1,000 - 2,500
- 2,500 - 5,000
- 5,000 - 10,000
- 10,000+

NOTES: AERIAL PHOTO IS FROM USGS 0.15m RESOLUTION ORTHOIMAGERY DATABASE. FORMER MCKENZIE PROPERTY BOUNDARY IS DERIVED FROM HISTORICAL TAX PLAT MAPS AVAILABLE FROM THE CHATHAM COUNTY TAX ASSESSORS OFFICE. WELL LOCATIONS AND OTHER SITE FEATURES ARE BASED UPON SURVEYS CONDUCTED BY BREWER LAND SURVEYING COMPANY IN OCTOBER 2013 AND EMC ENGINEERING SERVICES IN JUNE 2015. WELLS SCREENED AT INTERVALS APPROXIMATELY BETWEEN 20 AND 30 FEET BELOW GROUND SURFACE ARE CONSIDERED DEEP WELLS.

N

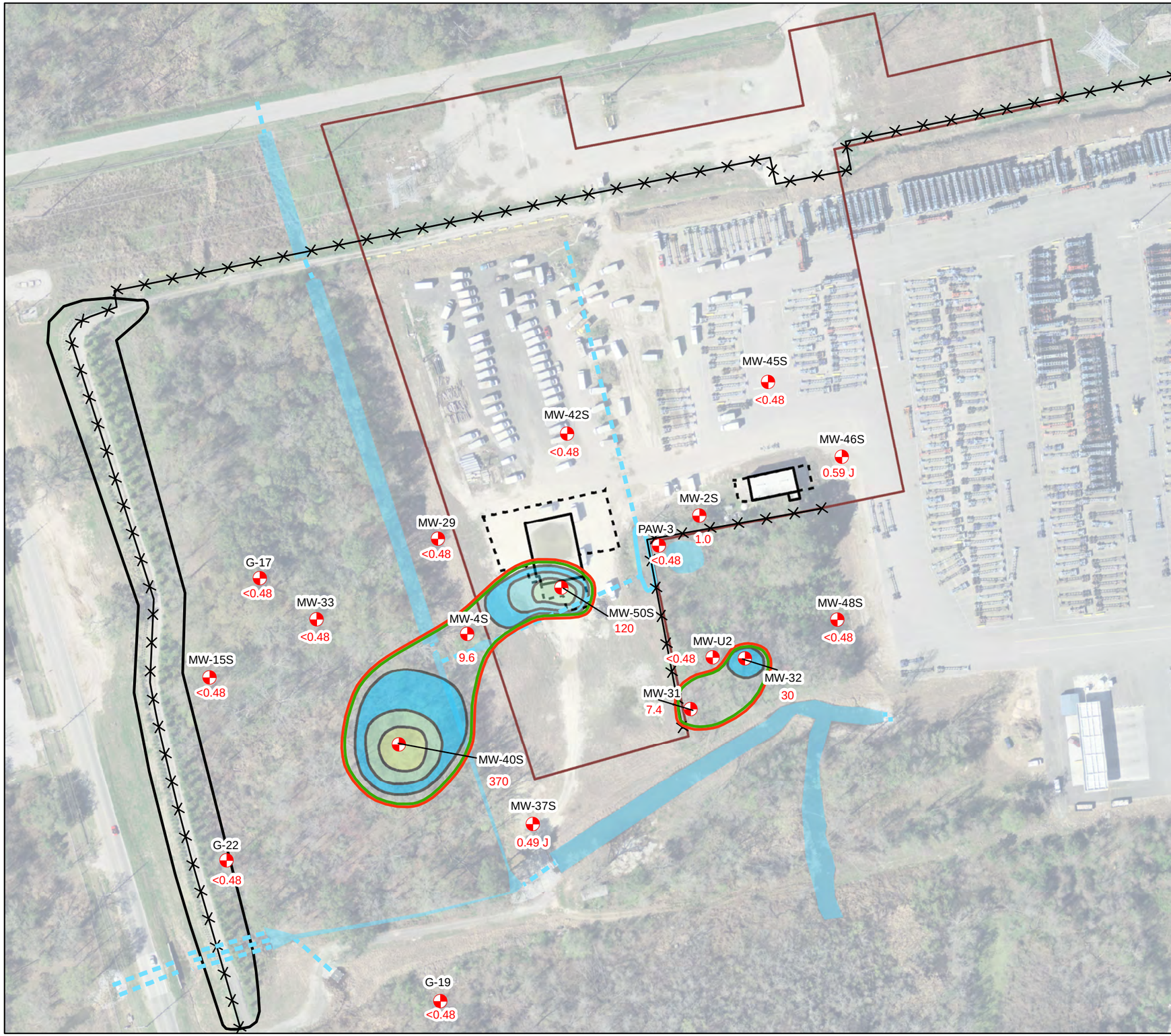
150 75 0 150 Feet

DESIGNED BY: A.G.	REVISIONS		DATE: 11/17/2015
	NO.	DATE	SCALE: SEE BAR SCALE
DRAWN BY: A.G.			SHEET NO.: 1 OF 1
CHECKED BY: A.S.			
APPROVED BY: R.M.			

FIGURE 4-6: APRIL 2015 DEEP PCE ISOCONCENTRATION MAP

MCKENZIE TANK LINES
111 GRANGE ROAD
PORT WENTWORTH, GEORGIA 31407

ENVIRONMENTAL INTERNATIONAL CORP.
161 KIMBALL BRIDGE RD
ALPHARETTA, GEORGIA 30009



Legend

SITE FEATURES

- BERM OUTLINE
- SECURITY FENCE
- DRAINAGE PIPES
- BUILDINGS
- CONCRETE APRONS
- SWALES
- WATER FEATURES
- FORMER MCKENZIE PROPERTY BOUNDARY
- SHALLOW WELLS

TCE CONCENTRATIONS

CONTOURS

- DELINIATION CRITERION OF 5 µg/L
- RRS TYPE 4 OF 5 µg/L

LABELS

MW-40S WELL ID

<0.48 CONCENTRATION IN µg/L

CONCENTRATIONS IN µg/L

- 25 - 50
- 50 - 100
- 100 - 250
- 250 - 500
- 500 - 1,000
- 1,000 - 2,500
- 2,500 - 5,000
- 5,000 - 10,000
- 10,000+

NOTES: AERIAL PHOTO IS FROM USGS 0.15m RESOLUTION ORTHOIMAGERY DATABASE. FORMER MCKENZIE PROPERTY BOUNDARY IS DERIVED FROM HISTORICAL TAX PLAT MAPS AVAILABLE FROM THE CHATHAM COUNTY TAX ASSESSORS OFFICE. WELL LOCATIONS AND OTHER SITE FEATURES ARE BASED UPON SURVEYS CONDUCTED BY BREWER LAND SURVEYING COMPANY IN OCTOBER 2013 AND EMC ENGINEERING SERVICES IN JUNE 2015. WELLS SCREENED AT INTERVALS APPROXIMATELY BETWEEN 10 AND 20 FEET ARE CONSIDERED SHALLOW WELLS.

N

150 75 0 150 Feet

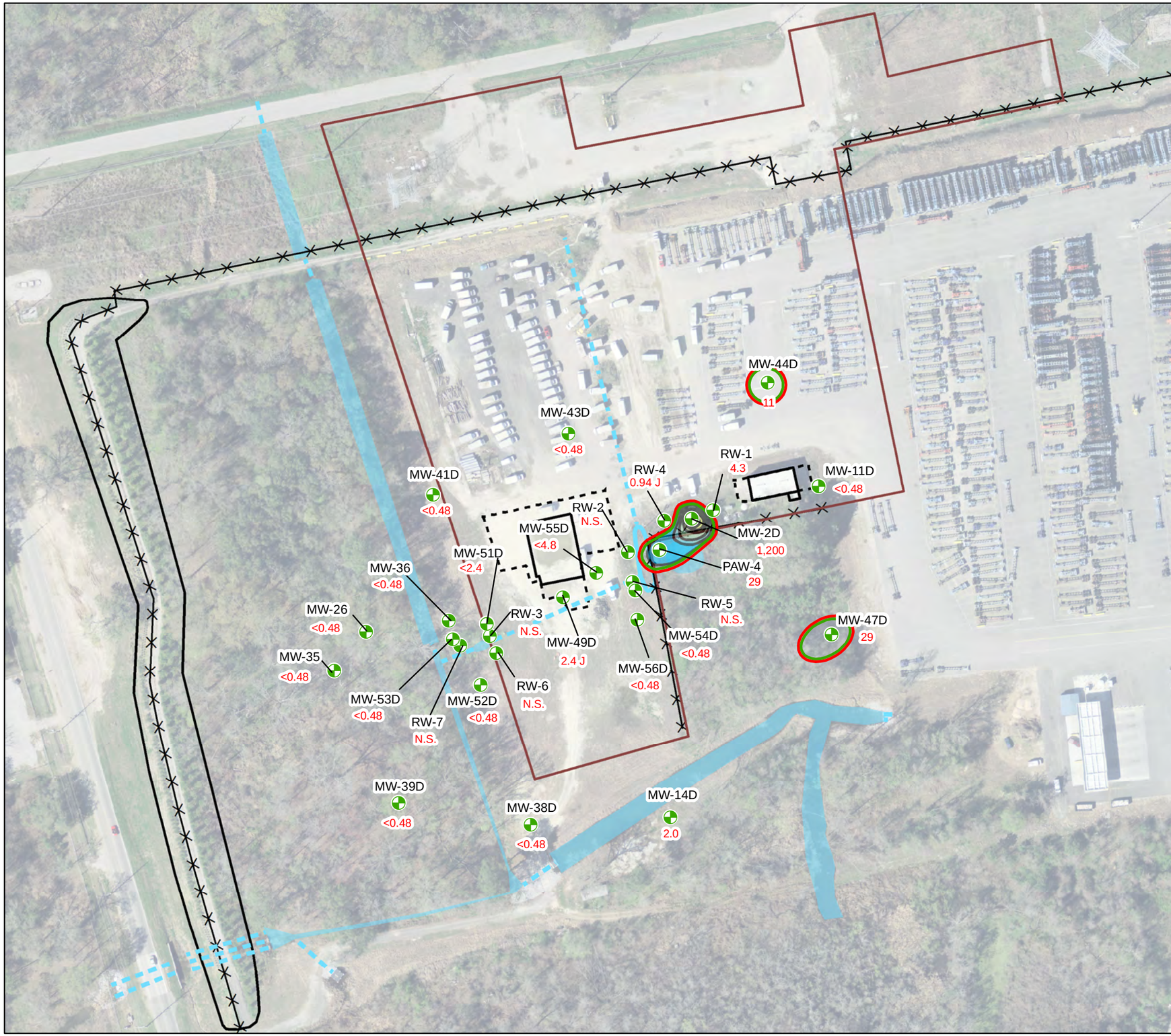
DESIGNED BY: A.G.	REVISIONS		DATE: 11/17/2015
	NO.	DATE	SCALE: SEE BAR SCALE
DRAWN BY: A.G.			SHEET NO.: 1 OF 1
CHECKED BY: A.S.			
APPROVED BY: R.M.			

FIGURE 4-7: APRIL 2015 SHALLOW TCE ISOCONCENTRATION MAP

MCKENZIE TANK LINES
111 GRANGE ROAD
PORT WENTWORTH, GEORGIA 31407

EIC

ENVIRONMENTAL INTERNATIONAL CORP.
161 KIMBALL BRIDGE RD
ALPHARETTA, GEORGIA 30009



Legend

SITE FEATURES

- BERM OUTLINE
- SECURITY FENCE
- DRAINAGE PIPES
- BUILDINGS
- CONCRETE APRONS
- SWALES
- WATER FEATURES
- FORMER MCKENZIE PROPERTY BOUNDARY
- DEEP WELLS

TCE CONCENTRATIONS

CONTOURS

- DELINIATION CRITERION OF 5 µg/L
- RRS TYPE 4 OF 5 µg/L

LABELS

MW-53D	WELL ID
<0.48	CONCENTRATION IN µg/L
N.S.	NOT SAMPLED

CONCENTRATION (µg/L)

- 25 - 50
- 50 - 100
- 100 - 250
- 250 - 500
- 500 - 1,000
- 1,000 - 2,500
- 2,500 - 5,000
- 5,000 - 10,000
- 10,000+

NOTES: AERIAL PHOTO IS FROM USGS 0.15m RESOLUTION ORTHOIMAGERY DATABASE. FORMER MCKENZIE PROPERTY BOUNDARY IS DERIVED FROM HISTORICAL TAX PLAT MAPS AVAILABLE FROM THE CHATHAM COUNTY TAX ASSESSORS OFFICE. WELL LOCATIONS AND OTHER SITE FEATURES ARE BASED UPON SURVEYS CONDUCTED BY BREWER LAND SURVEYING COMPANY IN OCTOBER 2013 AND EMC ENGINEERING SERVICES IN JUNE 2015. WELLS SCREENED AT INTERVALS APPROXIMATELY BETWEEN 20 AND 30 FEET BELOW GROUND SURFACE ARE CONSIDERED DEEP WELLS.

N

150 75 0 150 Feet

DESIGNED BY: A.G.	REVISIONS		DATE: 11/17/2015
	NO.	DATE	SCALE: SEE BAR SCALE
DRAWN BY: A.G.			SHEET NO.: 1 OF 1
CHECKED BY: A.S.			
APPROVED BY: R.M.			

FIGURE 4-8: APRIL 2015 DEEP TCE ISOCONCENTRATION MAP

MCKENZIE TANK LINES
111 GRANGE ROAD
PORT WENTWORTH, GEORGIA 31407

ENVIRONMENTAL INTERNATIONAL CORP.
161 KIMBALL BRIDGE RD
ALPHARETTA, GEORGIA 30009

Legend

SITE FEATURES

- BERM OUTLINE
- SECURITY FENCE
- DRAINAGE PIPES
- BUILDINGS
- CONCRETE APRONS
- SWALES
- WATER FEATURES
- FORMER MCKENZIE PROPERTY BOUNDARY
- SHALLOW WELLS

DCE CONCENTRATIONS

CONTOURS

- DELINIATION CRITERION OF 70 µg/L
- RRS TYPE 4 OF 204 µg/L

LABELS

MW-40S WELL ID

<0.41 CONCENTRATION IN µg/L

CONCENTRATIONS IN µg/L

- 25 - 50
- 50 - 100
- 100 - 250
- 250 - 500
- 500 - 1,000
- 1,000 - 2,500
- 2,500 - 5,000
- 5,000 - 10,000
- 10,000+

NOTES: AERIAL PHOTO IS FROM USGS 0.15m RESOLUTION ORTHOIMAGERY DATABASE. FORMER MCKENZIE PROPERTY BOUNDARY IS DERIVED FROM HISTORICAL TAX PLAT MAPS AVAILABLE FROM THE CHATHAM COUNTY TAX ASSESSORS OFFICE. WELL LOCATIONS AND OTHER SITE FEATURES ARE BASED UPON SURVEYS CONDUCTED BY BREWER LAND SURVEYING COMPANY IN OCTOBER 2013 AND EMC ENGINEERING SERVICES IN JUNE 2015. WELLS SCREENED AT INTERVALS APPROXIMATELY BETWEEN 10 AND 20 FEET ARE CONSIDERED SHALLOW WELLS.

N

150 75 0 150 Feet

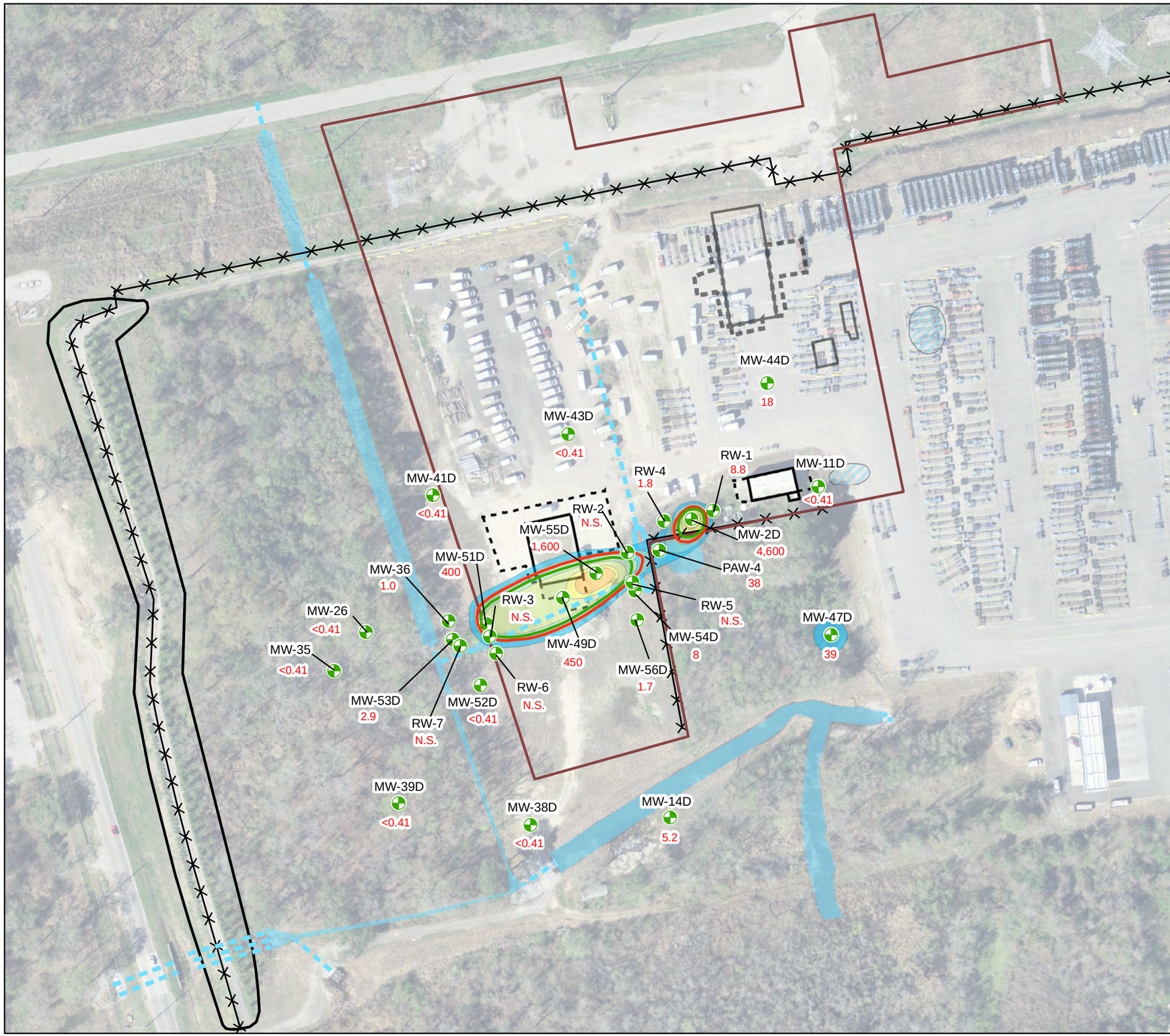
DESIGNED BY: A.G.	REVISIONS NO.	DATE	DATE: 11/17/2015
DRAWN BY: A.G.			SCALE: SEE BAR SCALE
CHECKED BY: A.S.			SHEET NO.: 1 OF 1
APPROVED BY: R.M.			

FIGURE 4-9: APRIL 2015 SHALLOW DCE ISOCONCENTRATION MAP

MCKENZIE TANK LINES
111 GRANGE ROAD
PORT WENTWORTH, GEORGIA 31407

EIC

ENVIRONMENTAL INTERNATIONAL CORP.
161 KIMBALL BRIDGE RD
ALPHARETTA, GEORGIA 30009



Legend

SITE FEATURES

- BERM OUTLINE
- SECURITY FENCE
- DRAINAGE PIPES
- BUILDINGS
- CONCRETE APRONS
- SWALES
- WATER FEATURES
- FORMER MCKENZIE PROPERTY BOUNDARY
- DEEP WELLS

DCE CONCENTRATIONS

CONTOURS

- DELINIATION CRITERION OF 70 µg/L
- RRS TYPE 4 OF 204 µg/L

LABELS

MW-53D	WELL ID
<0.48	CONCENTRATION IN µg/L
N.S.	NOT SAMPLED

CONCENTRATION (µg/L)

- 25 - 50
- 50 - 100
- 100 - 250
- 250 - 500
- 500 - 1,000
- 1,000 - 2,500
- 2,500 - 5,000
- 5,000 - 10,000
- 10,000+

NOTES: AERIAL PHOTO IS FROM USGS 0.15m RESOLUTION ORTHOIMAGERY DATABASE. FORMER MCKENZIE PROPERTY BOUNDARY IS DERIVED FROM HISTORICAL TAX PLAT MAPS AVAILABLE FROM THE CHATHAM COUNTY TAX ASSESSORS OFFICE. WELL LOCATIONS AND OTHER SITE FEATURES ARE BASED UPON SURVEYS CONDUCTED BY BREWER LAND SURVEYING COMPANY IN OCTOBER 2013 AND EMC ENGINEERING SERVICES IN JUNE 2015. WELLS SCREENED AT INTERVALS APPROXIMATELY BETWEEN 20 AND 30 FEET BELOW GROUND SURFACE ARE CONSIDERED DEEP WELLS.

N

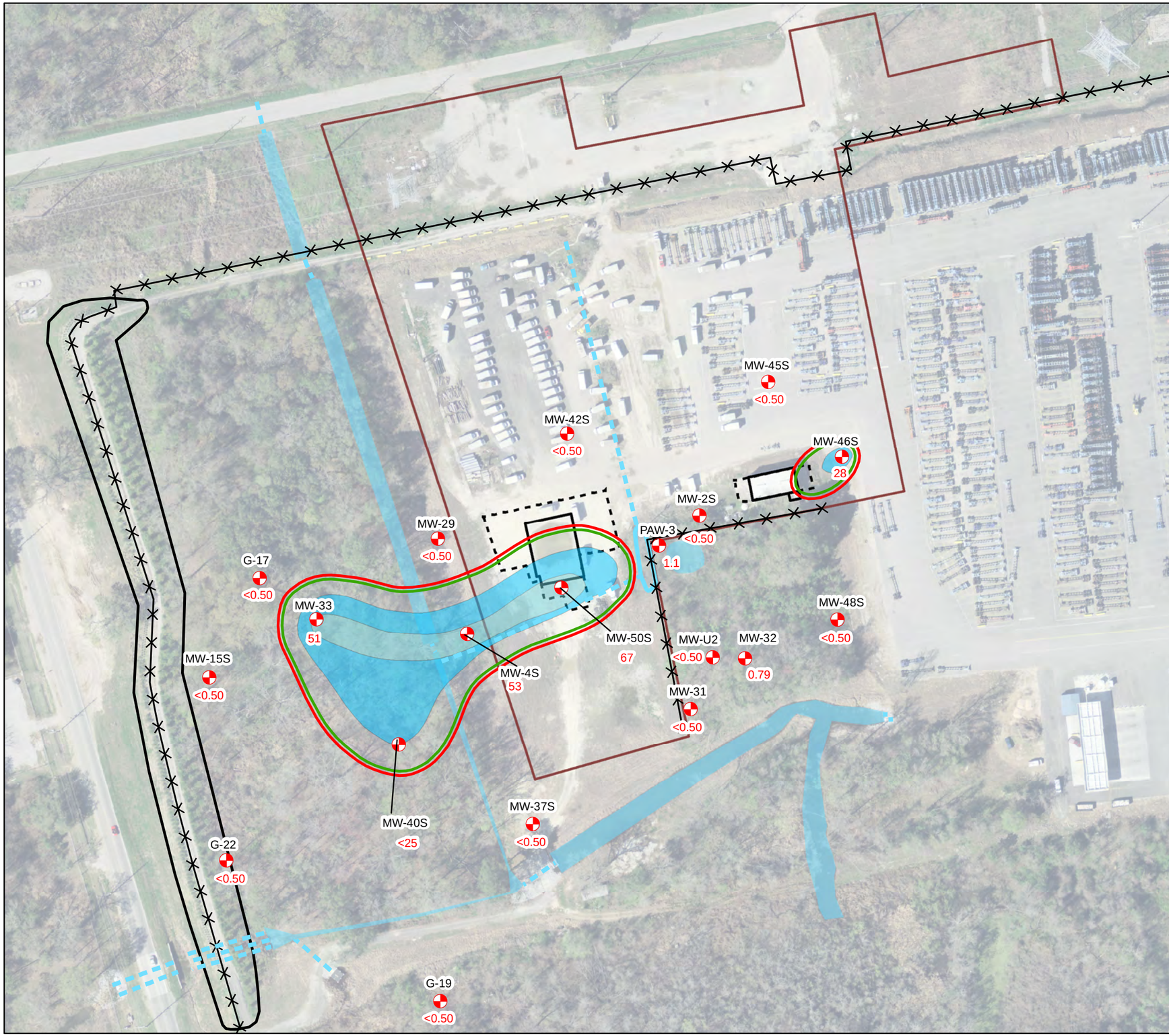
150 75 0 150 Feet

DESIGNED BY: A.G.	REVISIONS		DATE: 11/17/2015
	NO.	DATE	SCALE: SEE BAR SCALE
DRAWN BY: A.G.			SHEET NO.: 1 OF 1
CHECKED BY: A.S.			
APPROVED BY: R.M.			

FIGURE 4-10: APRIL 2015 DEEP DCE ISOCONCENTRATION MAP

MCKENZIE TANK LINES
111 GRANGE ROAD
PORT WENTWORTH, GEORGIA 31407

ENVIRONMENTAL INTERNATIONAL CORP.
161 KIMBALL BRIDGE RD
ALPHARETTA, GEORGIA 30009



Legend

SITE FEATURES

- BERM OUTLINE
- SECURITY FENCE
- DRAINAGE PIPES
- BUILDINGS
- CONCRETE APRONS
- SWALES
- WATER FEATURES
- FORMER MCKENZIE PROPERTY BOUNDARY
- SHALLOW WELLS

VC CONCENTRATIONS

CONTOURS

- DELINIATION CRITERION OF 2 µg/L
- RRS TYPE 4 OF 3 µg/L

LABELS

MW-40S WELL ID

<0.41 CONCENTRATION IN µg/L

CONCENTRATIONS IN µg/L

- 25 - 50
- 50 - 100
- 100 - 250
- 250 - 500
- 500 - 1,000
- 1,000 - 2,500
- 2,500 - 5,000
- 5,000 - 10,000
- 10,000+

NOTES: AERIAL PHOTO IS FROM USGS 0.15m RESOLUTION ORTHOIMAGERY DATABASE. FORMER MCKENZIE PROPERTY BOUNDARY IS DERIVED FROM HISTORICAL TAX PLAT MAPS AVAILABLE FROM THE CHATHAM COUNTY TAX ASSESSORS OFFICE. WELL LOCATIONS AND OTHER SITE FEATURES ARE BASED UPON SURVEYS CONDUCTED BY BREWER LAND SURVEYING COMPANY IN OCTOBER 2013 AND EMC ENGINEERING SERVICES IN JUNE 2015. WELLS SCREENED AT INTERVALS APPROXIMATELY BETWEEN 10 AND 20 FEET ARE CONSIDERED SHALLOW WELLS.

N

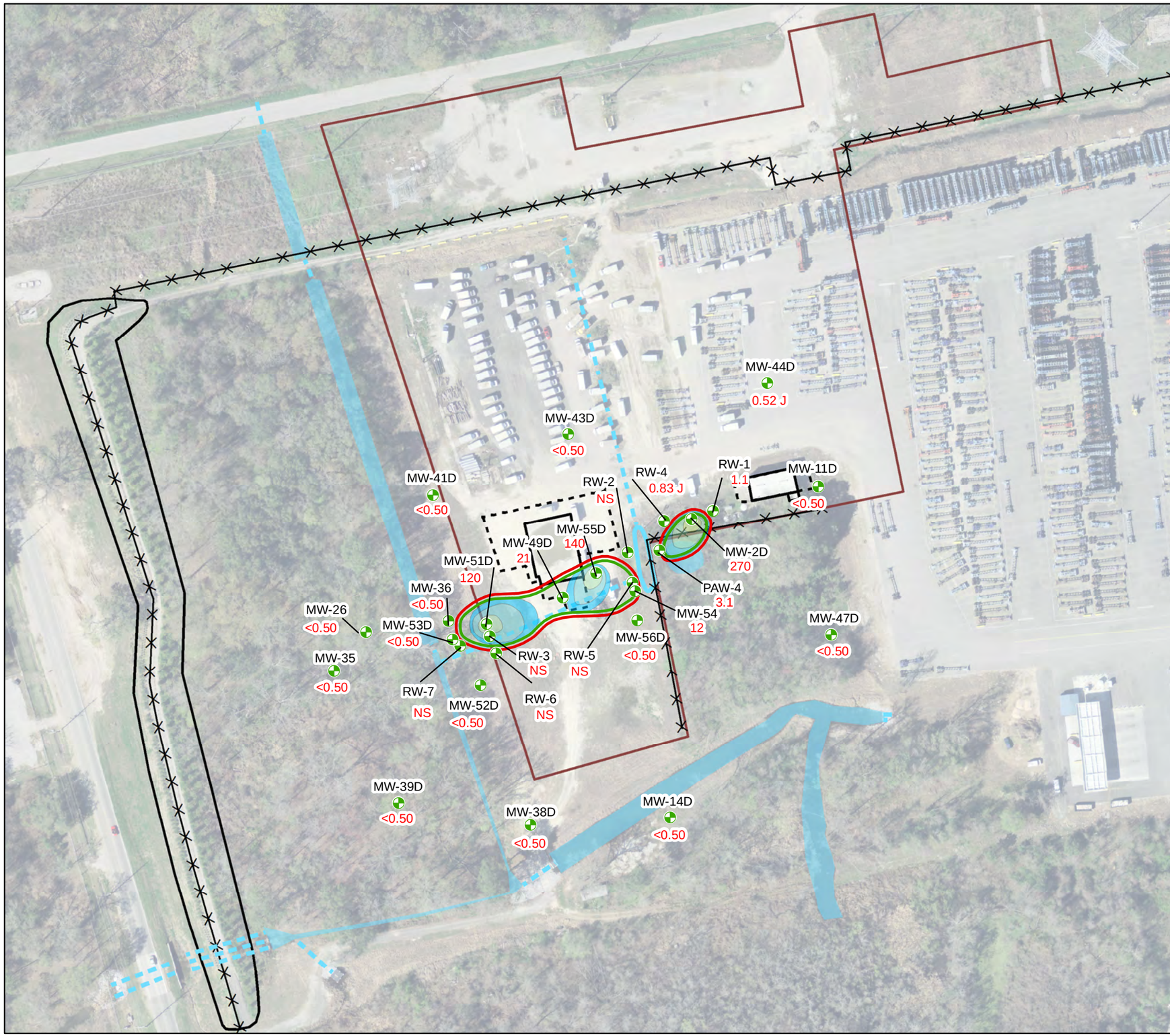
150 75 0 150 Feet

DESIGNED BY: A.G.	REVISIONS		DATE: 11/17/2015
	NO.	DATE	SCALE: SEE BAR SCALE
DRAWN BY: A.G.			SHEET NO.: 1 OF 1
CHECKED BY: A.S.			
APPROVED BY: R.M.			

FIGURE 4-11: APRIL 2015 SHALLOW VC ISOCONCENTRATION MAP

MCKENZIE TANK LINES
111 GRANGE ROAD
PORT WENTWORTH, GEORGIA 31407

ENVIRONMENTAL INTERNATIONAL CORP.
161 KIMBALL BRIDGE RD
ALPHARETTA, GEORGIA 30009



Legend

SITE FEATURES

- BERM OUTLINE
- SECURITY FENCE
- DRAINAGE PIPES
- BUILDINGS
- CONCRETE APRONS
- SWALES
- WATER FEATURES
- FORMER MCKENZIE PROPERTY BOUNDARY
- DEEP WELLS

VC CONCENTRATIONS

CONTOURS

- DELINIATION CRITERION OF 2 µg/L
- RRS TYPE 4 OF 3 µg/L

LABELS

MW-53D	WELL ID
<0.50	CONCENTRATION IN µg/L
N.S.	NOT SAMPLED

CONCENTRATION (µg/L)

- 25 - 50
- 50 - 100
- 100 - 250
- 250 - 500
- 500 - 1,000
- 1,000 - 2,500
- 2,500 - 5,000
- 5,000 - 10,000
- 10,000+

NOTES: AERIAL PHOTO IS FROM USGS 0.15m RESOLUTION ORTHOIMAGERY DATABASE. FORMER MCKENZIE PROPERTY BOUNDARY IS DERIVED FROM HISTORICAL TAX PLAT MAPS AVAILABLE FROM THE CHATHAM COUNTY TAX ASSESSORS OFFICE. WELL LOCATIONS AND OTHER SITE FEATURES ARE BASED UPON SURVEYS CONDUCTED BY BREWER LAND SURVEYING COMPANY IN OCTOBER 2013 AND EMC ENGINEERING SERVICES IN JUNE 2015. WELLS SCREENED AT INTERVALS APPROXIMATELY BETWEEN 20 AND 30 FEET BELOW GROUND SURFACE ARE CONSIDERED DEEP WELLS.

N

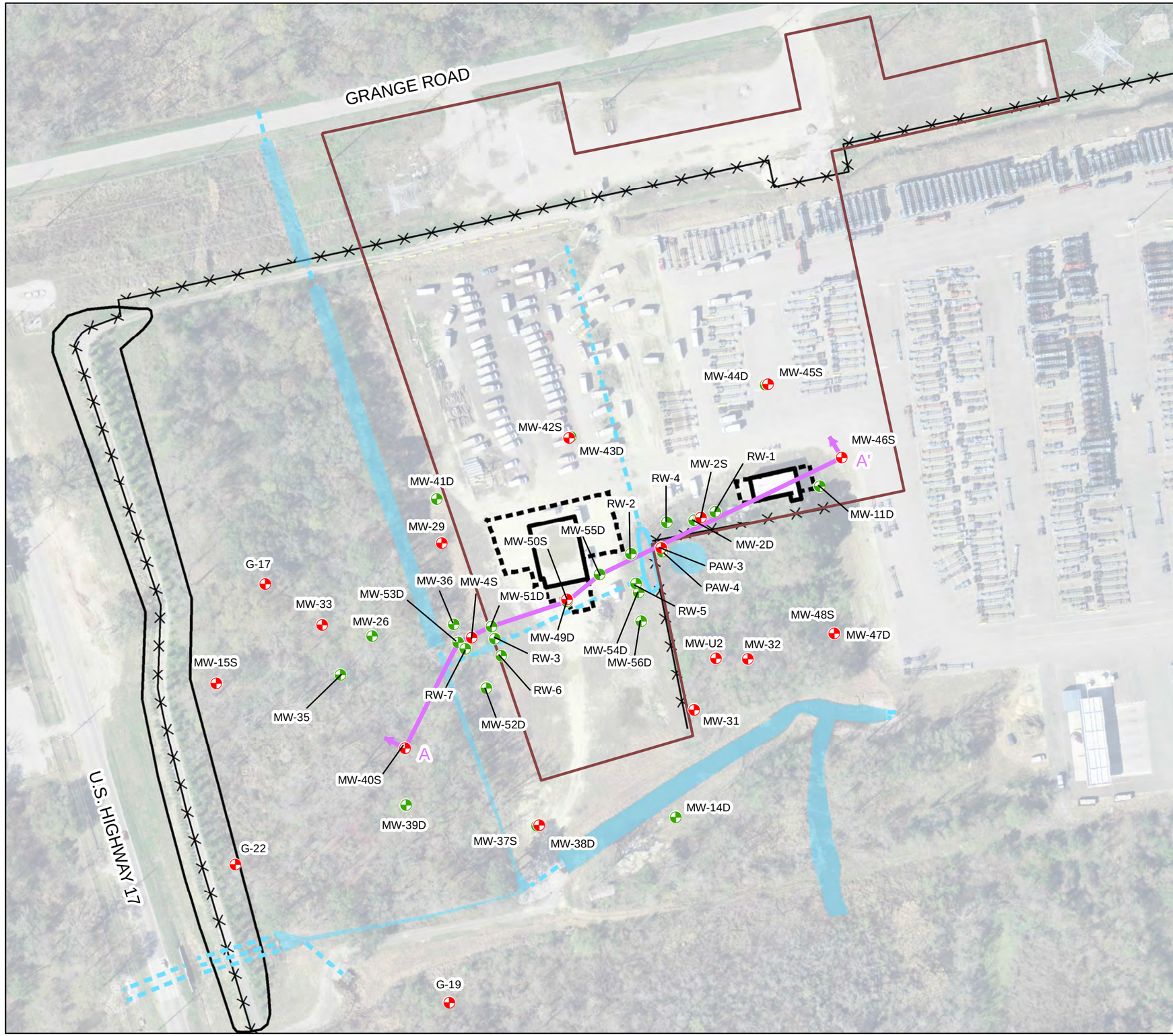
150 75 0 150 Feet

DESIGNED BY: A.G.	REVISIONS		DATE: 11/17/2015
	NO.	DATE	SCALE: SEE BAR SCALE
DRAWN BY: A.G.			SHEET NO.: 1 OF 1
CHECKED BY: A.S.			
APPROVED BY: R.M.			

FIGURE 4-12: APRIL 2015 DEEP VC ISOCONCENTRATION MAP

MCKENZIE TANK LINES
111 GRANGE ROAD
PORT WENTWORTH, GEORGIA 31407

ENVIRONMENTAL INTERNATIONAL CORP.
161 KIMBALL BRIDGE RD
ALPHARETTA, GEORGIA 30009



Legend

WELL I.D.

- SHALLOW WELL
- DEEP WELL
- MW-4S MONITORING WELL ID
- CROSS-SECTION TRACE LINE

SITE FEATURES

- BERM OUTLINE
- SECURITY FENCE
- DRAINAGE PIPES
- BUILDINGS
- CONCRETE APRONS
- SWALES
- WATER FEATURES
- FORMER MCKENZIE PROPERTY BOUNDARY
- FORMER WATER FEATURE

NOTES: AERIAL PHOTO IS FROM USGS 0.15m RESOLUTION ORTHOIMAGERY DATABASE. FORMER MCKENZIE PROPERTY BOUNDARY IS DERIVED FROM HISTORICAL TAX PLAT MAPS AVAILABLE FROM THE CHATHAM COUNTY TAX ASSESSORS OFFICE. WELL LOCATIONS AND OTHER SITE FEATURES ARE BASED UPON SURVEY CONDUCTED BY BREWER LAND SURVEYING COMPANY IN OCTOBER 2013. OTHER FORMER SITE FEATURES WERE PLOTTED BASED UPON HISTORICAL SITE MAPS FROM MCKENZIE TANK LINES. WELLS SCREENED AT INTERVALS APPROXIMATELY BETWEEN 10 AND 20 FEET BELOW GROUND SURFACE ARE CONSIDERED SHALLOW WELLS. WELLS SCREENED AT INTERVALS APPROXIMATELY 20 FEET OR GREATER BELOW GROUND SURFACE ARE CONSIDERED DEEP WELLS. LOCATIONS OF NEWLY INSTALLED WELLS AND MW-35 ARE APPROXIMATE.

N

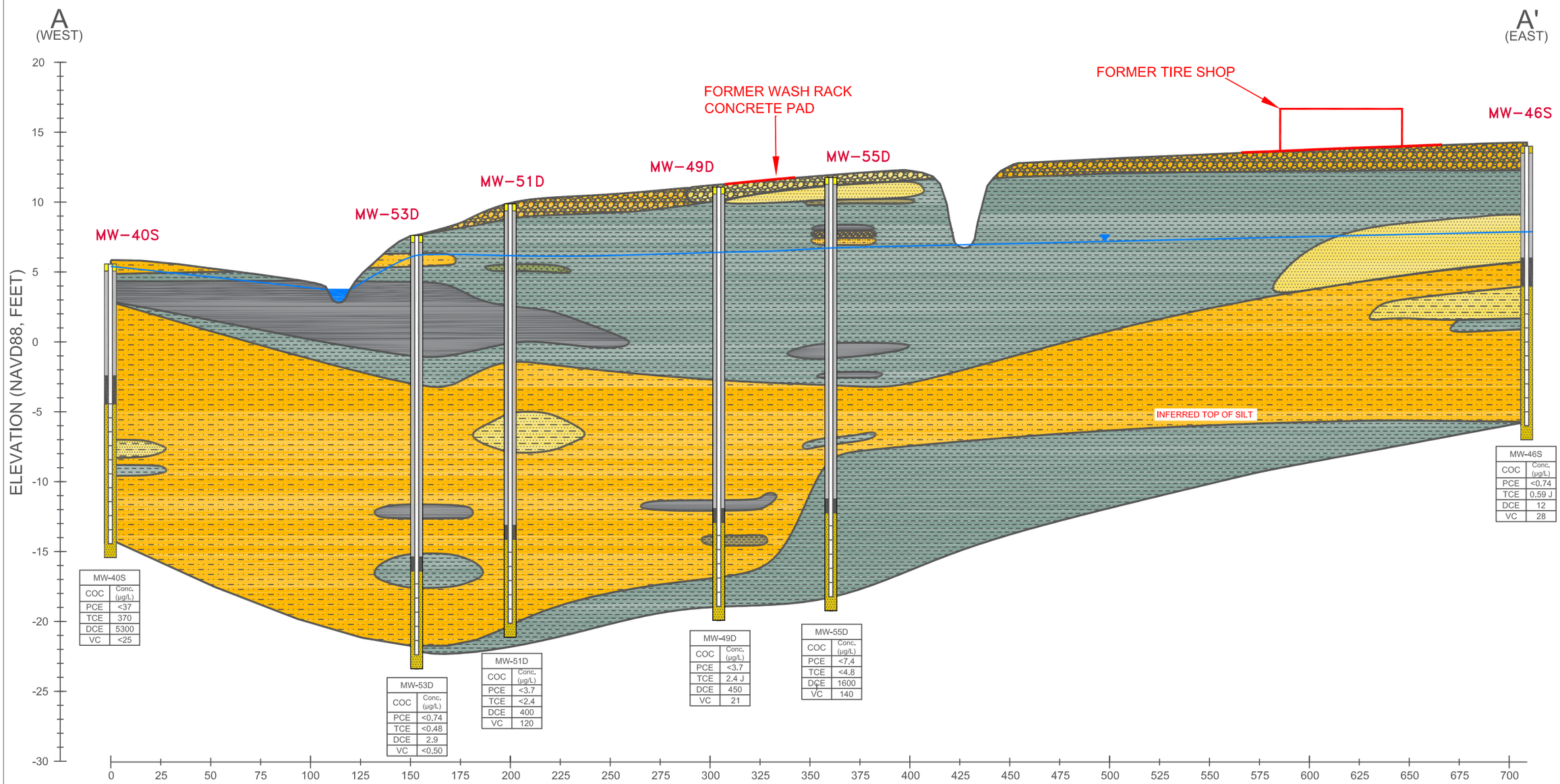
150 75 0 150 Feet

DESIGNED BY: W.G.	REVISIONS NO.	REVISIONS DATE	DATE: 7/7/2015
DRAWN BY: S.F.H.			SCALE: SEE BAR SCALE
			SHEET NO.: 1 OF 1
CHECKED BY: A.S.			
APPROVED BY: R.M.			

Figure 6-1: A-A' Cross Section Trace Map

MCKENZIE TANK LINES
111 GRANGE ROAD
PORT WENTWORTH, GEORGIA 31047

ENVIRONMENTAL INTERNATIONAL CORP.
161 KIMBALL BRIDGE RD
ALPHARETTA, GEORGIA 30009



MW-46S	
COC	Conc. (µg/L)
PCE	<0.74
TCE	0.59 J
DCE	12
VC	28

MW-40S	
COC	Conc. (µg/L)
PCE	<37
TCE	370
DCE	5300
VC	<25

MW-53D	
COC	Conc. (µg/L)
PCE	<0.74
TCE	<0.48
DCE	2.9
VC	<0.50

MW-51D	
COC	Conc. (µg/L)
PCE	<3.7
TCE	<2.4
DCE	400
VC	120

MW-49D	
COC	Conc. (µg/L)
PCE	<3.7
TCE	2.4 J
DCE	450
VC	21

MW-55D	
COC	Conc. (µg/L)
PCE	<7.4
TCE	<4.8
DCE	1600
VC	140

LEGEND

LITHOLOGY

- CLAY
- SAND
- SILT WITH SAND
- GRAVEL WITH SAND AND SILT
- SAND WITH SILT
- SILT WITH SAND AND GRAVEL
- PEAT
- SILT

WELL CONSTRUCTION

- BENTONITE SEAL
- 20/30 SILICA SAND
- MW-55D WELL ID
- CEMENT GROUT
- MONITORING WELL SOLID CASING
- PEA GRAVEL
- MONITORING WELL SCREEN

OTHER

- IMPERVIOUS SURFACES
- WATER TABLE ELEVATION (APRIL 2015)

NOTES: WELL DIAGRAMS ARE NOT HORIZONTALLY TO SCALE. WATER TABLE ELEVATIONS AND CONTAMINATION CONCENTRATIONS ARE BASED ON APRIL 2015 GROUNDWATER GAUGING AND SAMPLING EVENT. BUILDINGS ARE NOT VERTICALLY TO SCALE. LITHGOLOGY IS BASED ON CORRELATIONS BETWEEN WELL LOGS RECORDED DURING THE INSTALLATION OF EACH RESPECTIVE WELL. WELL CONSTRUCTION IS BASED ON FIELD RECORDS DURING INSTALLATION FOR EACH RESPECTIVE MONITORING WELL. GROUND SURFACE IS BASED ON WELL AND OTHER SITE FEATURES SURVEYED DURING THE VIRP. SURFACE WATER LEVEL IS ESTIMATED BASED ON FIELD OBSERVATIONS.

FIGURE 6-2:
A-A' (WEST TO EAST) HYDROGEOLOGICAL CROSS SECTION
MCKENZIE TANK LINES
PORT WENTWORTH, GA

DESIGNED BY: D.V.	DRAWN BY: A.G.	REVISIONS: NO.	DATE:
CHECKED BY: A.S.	APPROVED BY: A.S.		
SEAL:			
		SCALE: SEE VERTICAL SCALE	DATE: 06/29/2015

MCKENZIE TANK LINES
111 GRANGE ROAD
PORT WENTWORTH, GEORGIA 31047

EIC
ENVIRONMENTAL INTERNATIONAL CORP.
161 KIMBALL BRIDGE ROAD, SUITE 100
ALPHARETTA, GEORGIA 30009

HSI SITE 10406, FORMER MCKENZIE TANK LINES SITE

THIRD SEMI-ANNUAL PROGRESS REPORT

ATTACHMENT A
UPDATED VIRP RRS TABLES

Table 1-10: Toxicity Factors

Constituents	CAS No.	Non-Carcinogenic			Carcinogenic		
		Inhalation Reference Concentration (RfCi[*1])	Inhalation Reference Dose (RfDi[*2])	Oral Reference Dose (RfDo[*1])	Inhalation Unit Risk (IUR[*1])	Inhalation Cancer Slope Factor (Sfi [*2])	Oral Cancer Slope Factor (Sfo[*1])
Tetrachloroethene	127-18-4	4.00E-02	1.14E-02	6.00E-03	2.60E-07	9.10E-04	2.10E-03
Trichloroethene	79-01-6	2.00E-03	5.71E-04	5.00E-04	4.10E-06	1.44E-02	4.60E-02
1,2-Dichloroethene (cis)	156-59-2	0	0	2.00E-03	0	0.00E+00	0
Vinyl chloride	75-01-4	1.00E-01	2.86E-02	3.00E-03	4.40E-06	1.54E-02	7.20E-01
Benzene	71-43-2	3.00E-02	8.57E-03	4.00E-03	7.80E-06	2.73E-02	5.50E-02
Ethylbenzene	100-41-4	1.00E+00	2.86E-01	1.00E-01	2.50E-06	8.75E-03	1.10E-02
Toluene	108-88-3	5.00E+00	1.43E+00	8.00E-02	0	0.00E+00	0
Total Xylenes	1330-20-7	1.00E-01	2.86E-02	2.00E-01	0	0.00E+00	0

Notes:

*According to the EPA's Calculation of Risk-based PRG's, if a parameter is not defined for a contaminant, it should be given a zero value (RAGS Vol 1., EPA, 1991).

[*1] May 2014 Regional Screening Level (RSL) Summary Table data from EPA.

[*2] Calculated using "Conversion Equations for Inhalation Reference Concentrations and Inhalation Unit Risk Factors" from EPD, Georgia Dept of Natural Resources: Compliance Status Report 391-3-19-.07 (Cited 22 April, 2010).

Table 1-11: Final Type 4 Risk Reduction Standards for Groundwater

Constituents	CAS No.	Final Type 4 Groundwater RRS (µg/L)
Tetrachloroethene	127-18-4	98
Trichloroethene	79-01-6	5
1,2-Dichloroethene (cis)	156-59-2	204
Vinyl chloride	75-01-4	3.27
Benzene	71-43-2	8.72
Ethylbenzene*	100-41-4	700
Toluene	108-88-3	5,241
Total Xylenes*	133-02-07	10,000

Note:

Final RRS values were excerpted from Table 1-12

* = Final groundwater RRS values for Ethylbenzene and Total Xylenes are based on the Type 1/Type 3 groundwater values presented in Table 1-12.

Table 1-12: Type 4 Risk Reduction Standards for Groundwater [Rule 391-3-19-.07(9)(c)]

Constituents (mg/L)	CAS No.	RAGS (Equation 2 from Table 1-13) Non-Carcinogenic Adult	RAGS (Equation 1 from Table 1-14) Carcinogenic Adult	Lesser of values from Equations 1 and 2	Type 3 Groundwater RRS	Type 4 RRS (lesser of values from Equations 1 and 2)
Tetrachloroethene	127-18-4	9.81E-02	2.56E-01	9.81E-02	5.00E-03	9.81E-02
Trichloroethene	79-01-6	5.24E-03	1.51E-02	5.24E-03	5.00E-03	5.24E-03
1,2-Dichloroethene (cis)	156-59-2	2.04E-01	NC	2.04E-01	7.00E-02	2.04E-01
Vinyl chloride	75-01-4	1.50E-01	3.27E-03	3.27E-03	2.00E-03	3.27E-03
Benzene	71-43-2	7.21E-02	8.72E-03	8.72E-03	5.00E-03	8.72E-03
Ethylbenzene*[2]	100-41-4	2.27E+00	2.91E-02	2.91E-02	7.00E-01	7.00E-01
Toluene	108-88-3	5.24E+00	NC	5.24E+00	1.00E+00	5.24E+00
Total Xylenes*[2]	133-02-07	2.88E-01	NC	2.88E-01	1.00E+01	1.00E+01

Notes:

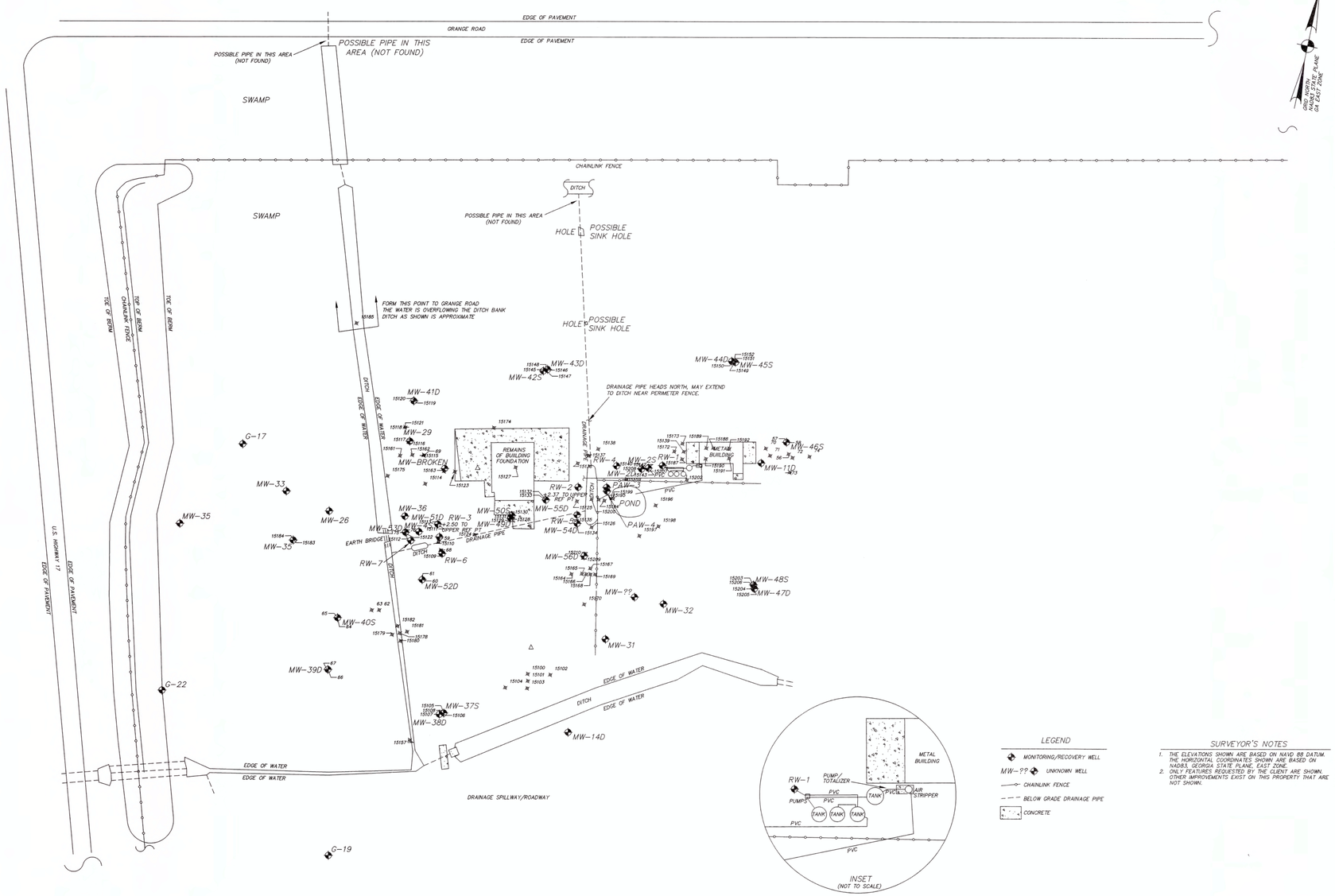
*According to the EPA's Calculation of Risk-based PRG's, if a parameter is not defined for a contaminant, it should be assigned a zero value (RAGS Vol 1., EPA, 1991). A value of "NC" was assigned when the parameters were not defined, due to the inability to divide a numerator by zero.

*[2] = RRS values for Ethylbenzene and Total Xylenes are based on Type 1/Type 3 groundwater values from the Risk Reduction Standards Table 1, Appendix III

HSI SITE 10406, FORMER MCKENZIE TANK LINES SITE

THIRD SEMI-ANNUAL PROGRESS REPORT

ATTACHMENT B
MONITORING WELL AND SOIL BORING SURVEY



LEGEND

- MONITORING/RECOVERY WELL
- MW-?? UNKNOWN WELL
- CHAINLINK FENCE
- BELOW GRADE DRAINAGE PIPE
- CONCRETE

SURVEYOR'S NOTES

1. THE ELEVATIONS SHOWN ARE BASED ON NAVD 88 DATUM. THE HORIZONTAL COORDINATES SHOWN ARE BASED ON NAD83, GEORGIA STATE PLANE, EAST ZONE.
2. ONLY FEATURES REQUESTED BY THE CLIENT ARE SHOWN. OTHER IMPROVEMENTS EXIST ON THIS PROPERTY THAT ARE NOT SHOWN.

EMC FIELD DATA COMPLETED 6-22-2015

Point No.	Northing(Y)	Easting(X)	Elev.(Z)	Description
56	778877.03	970203.63	14.48	BORE
57	778892.61	970197.34	14.28	SE/MW 46S
58	778893.87	970197.20	14.01	MW 46S/T CASE
59	778652.80	969748.03	10.25	BORE
60	778595.47	969737.64	8.68	SE/MW 52D
61	778595.78	969736.60	8.29	MW 52D/T CASE
62	778540.63	969686.55	6.05	NEW BORE 603
63	778538.43	969676.37	6.50	NEW BORE 602
64	778516.73	969632.13	5.85	SE/MW40S
65	778517.70	969631.48	5.57	MW40S/T CASE
66	778443.67	969634.00	7.32	SE/MW39D
67	778443.54	969632.63	7.25	MW39D/T CASE
68	778641.38	969753.49	10.39	BORE
69	778767.49	969703.01	10.31	BORE
70	778878.14	970170.71	13.17	538/BORE
71	778869.41	970178.68	13.94	539/BORE
72	778873.21	970210.07	14.78	540/BORE
73	778852.09	970210.82	14.88	541/BORE
74	778879.63	970233.24	15.54	542/BORE
75	778656.03	969700.01	7.38	SE/MW 53D
76	778654.55	969700.14	7.56	MW 53D/T CASE
15100	778496.91	969909.56	10.69	bore
15101	778487.25	969911.74	10.43	bore
15102	778502.41	969940.87	10.06	bore
15103	778477.03	969913.07	10.21	bore
15104	778471.61	969882.64	10.68	bore
15105	778418.10	969806.17	10.55	SE/MW37S
15106	778417.44	969804.93	10.14	mw/37s/t case
15107	778416.86	969802.61	10.08	mw/38d/t case
15108	778417.47	969800.95	10.61	se mw/38d
15109	778641.70	969753.41	10.02	BORE
15110	778652.99	969748.20	10.25	BORE
15111	778675.40	969743.43	10.04	SE/MW51D
15112	778656.03	969699.86	7.68	SE/MW53D
15113	778676.38	969741.83	9.87	MW51D/T CASE
15114	778728.42	969712.72	9.49	BORE
15115	778767.58	969702.28	9.97	BORE
15116	778783.41	969680.25	9.40	SE/MW29
15117	778783.23	969679.05	9.39	MW29/T CASE
15118	778800.78	969668.45	9.66	BORE
15119	778838.82	969673.35	9.63	SE/MW41D
15120	778840.01	969672.71	9.59	MW41D/T CASE
15121	778800.80	969668.62	9.82	BORE
15122	778654.59	969700.16	7.62	3MW/53D/T CASE
15123	778753.90	969750.02	11.01	BORE
15124	778673.05	969796.08	10.90	BORE
15125	778749.46	969926.61	11.67	BORE
15126	778717.82	969954.19	10.71	BORE
15127	778777.88	969832.22	11.92	BORE
15128	778707.40	969841.37	11.09	MW/49D/T CASE
15129	778706.90	969839.94	11.17	SE/MW49D
15130	778709.56	969839.95	11.30	SE/MW50S
15131	778710.43	969841.15	11.18	MW50S/T CASE
15132	778742.22	969883.64	11.78	MW55D/T CASE
15133	778742.54	969882.24	11.93	SE/MW55D
15134	778718.52	969932.84	11.10	SE/MW54D
15135	778719.53	969934.24	10.91	MW/54D T CASE
15136	778801.85	969916.56	11.61	BORE
15137	778815.57	969929.34	12.09	BORE
15138	778827.71	969940.30	11.40	BORE
15139	778849.44	970058.83	11.77	BORE
15140	778814.17	970004.74	11.34	SE/MW2D
15142	778817.25	970013.84	11.54	MW2S/T CASE
15143	778816.12	970014.90	11.71	MW2S/T CASE
15145	778919.38	969842.40	11.10	SE/MW42S
15146	778920.01	969843.65	10.71	MW42S/T CASE
15147	778919.56	969846.90	11.13	SE/MW43D
15148	778920.70	969845.95	10.77	MW43D/T CASE
15149	778987.84	970102.54	14.12	SEC/MW45S
15150	778986.92	970098.71	14.09	SEA/MW44D
15151	778988.15	970098.41	13.83	MW44D/T CASE
15152	778989.09	970101.38	13.74	MW45S/T CASE
15157	778370.73	969766.74	4.97	NEW SED BORE
15159	778794.53	969988.34	11.81	BORE
15161	778759.93	969869.86	8.63	BORE/NO HOLE
15162	778764.73	969686.58	9.26	BORE/NO HOLE
15163	778751.39	969735.18	11.16	BORE/NO HOLE
15164	778647.21	969940.18	10.83	BORE
15165	778650.67	969954.80	10.61	BORE/NEW
15166	778651.49	969960.72	10.53	BORE/NEW
15167	778660.54	969964.66	10.67	BORE/NEW
15168	778652.40	969966.50	10.65	BORE/NEW
15169	778653.52	969972.97	10.50	BORE/NEW
15170	778608.96	969968.88	10.61	bore
15172	778846.76	970045.63	11.63	NEW BORE
15173	778860.22	970054.64	11.90	NEW BORE
15174	778826.32	969790.52	11.40	BORE
15175	778728.39	969658.76	7.33	NEW BORE
15178	778514.89	969721.59	5.39	PT603 NEW BORE
15179	778510.74	969711.51	6.51	PT602 NEW BORE
15180	778504.44	969725.06	2.80	PT601 NEW BORE
15181	778519.07	969731.36	7.81	PT604 NEW BORE
15182	778524.21	969716.63	3.73	PT605 NEW BORE
15183	778612.55	969547.78	6.28	MW35/T CASE
15184	778612.45	969547.97	4.87	SE/MW35
15185	778930.09	969570.85	9.28	PT607 10'O/S W C
15187	778838.54	970058.66	11.83	PT550 NEW BORE
15188	778863.28	970098.24	12.67	PT552 NEW BORE
15189	778861.05	970088.69	12.97	PT533 BORE
15190	778846.08	970091.13	12.23	PT534 BORE
15191	778853.52	970123.27	12.11	PT537 BORE
15192	778867.12	970120.44	13.48	PT536 BORE
15194	778758.49	969964.03	10.02	BORE
15195	778758.21	969956.00	9.89	BORE
15196	778767.00	970035.88	9.72	BORE
15197	778720.23	970022.50	9.76	BORE
15198	778738.94	970045.84	9.39	BORE
15199	778763.97	969975.32	13.40	BORE
15200	778756.30	969946.16	6.64	BORE
15202	778811.57	970071.29		BORE NE
15203	778685.63	970193.52	13.52	SE/MW48S
15204	778682.02	970193.48	13.66	SE/MW47D
15205	778681.54	970194.69	13.63	MW47D/T CASE
15206	778684.49	970194.08	13.56	MW48S/T CASE
15207	778815.55	97001.3.66	11.65	SE/MW2S
15208	778812.83	970005.78	11.39	MW2D/T CASE
15209	778675.54	969952.87	11.00	SE/MW56D
15210	778676.78	969953.05	10.68	MW56D/T CASE

NO.	REVISION DESCRIPTION	BY	DATE

TO THE BEST OF MY KNOWLEDGE AND BELIEF THIS PLAT WAS PREPARED IN CONFORMITY WITH THE TECHNICAL STANDARDS FOR PROPERTY SURVEYS IN GEORGIA AS SET FORTH IN CHAPTER 180-7 OF THE RULES OF THE GEORGIA BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS AND AS SET FORTH IN THE GEORGIA PLAT ACT O.C.G.A. 15-6-67

GEORGIA REGISTERED No. 2468 PROFESSIONAL LAND SURVEYOR THOMAS W. HURLEY

THOMAS W. HURLEY
GA. REG. L.S. LIC. NO. 2468
C.O.A. # 000051

80' 40' 0' 80'
GRAPHIC SCALE: 1"=80'-0"

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ALBANY, ATLANTA, AUGUSTA, BRUNSWICK,
COLUMBUS, SAVANNAH STATESBORO & VALDOSTA

MONITORING WELL & SOIL BORING SURVEY
FORMER McKENZE TANK LINES, PORT WENTWORTH, GA
Prepared for:
ENVIRONMENTAL INTERNATIONAL CORPORATION

PROJECT NO.:	15-0031
DRAWN BY:	CJH
DESIGNED BY:	-
SURVEYED BY:	TW
SURVEY DATE:	07/01/2015
CHECKED BY:	TWH
SCALE:	1"=80'
DATE:	11/06/2015

SHEET 1 OF 1

HSI SITE 10406, FORMER MCKENZIE TANK LINES SITE

THIRD SEMI-ANNUAL PROGRESS REPORT

ATTACHMENT C
EIC WELL PURGING AND SAMPLING DATA FIELD LOGS, APRIL 2015

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: G-17

DATE: 11-28-15 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460002

WEATHER CONDITIONS: 62°F Cloudy Normal

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [X] 1 [ ] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 7.00 FT. TO 12.00 FT.

HEIGHT OF STICK-UP: 2.40 FT. | BTOC WELL SCREEN INTERVAL: 9.40 FT. TO 14.40 FT.

TOTAL WELL DEPTH (BTOC): Reported 14.40 FT Measured 12.35 FT. | INITIAL WATER LEVEL (BTOC): 2.68 FT. | TIME: 8:21

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [X] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

PID/FID READINGS (ppm): BACKGROUND: N/M BENEATH OUTER CAP: N/M BENEATH INNER CAP: N/M

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8260 B

LABORATORY PERFORMING ANALYSIS: | FLOW THROUGH CELL MODEL: Horiba U-52 | SERIAL # UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (ft.)	REMARKS (COLOR, ODOR, ETC.)
8:38	0	19.08	6.52	54	0.868	5.7	2.42	N/A	Tan Turbid flow
8:43	850	17.91	6.41	11	1.12	6.4	1.55	N/A	
8:53	1460	17.84	6.37	-1	1.07	6.7	0.57	N/A	
8:58	2100	17.59	6.34	-9	1.11	4.2	0.05	N/A	
9:03	2580	17.17	6.29	-10	0.959	3.8	0.45	N/A	
								9.34	

COMMENTS:

SAMPLE COLLECTION TIME: 9:05

PREPARED BY: WDG DV

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	20
Initial tubing depth (ft.) BTOC	9.9
Final tubing depth (ft.) BTOC	9.9
Initial pump speed	Low
Time pump speed was initialized	8:37
Pump speed at flow into cylinder	Low
Started new roll of tubing at	—

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket	8:57							
Actual Volume (ml)	2000							

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: G-19

DATE: 4/28/15 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460002

WEATHER CONDITIONS: 55°F 1.24 mm Partly Cloudy

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [X] 1 [ ] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 5 FT. TO 10 FT.

HEIGHT OF STICK-UP: 2.77 FT. | BTOC WELL SCREEN INTERVAL: 7.77 FT. TO 12.77 FT.

TOTAL WELL DEPTH (BTOC): Reported 12.77 FT Measured 12.66 FT. | INITIAL WATER LEVEL (BTOC): 4.37 FT. | TIME: 15:11

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [X] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

PID/FID READINGS (ppm): BACKGROUND: NA BENEATH OUTER CAP: NA BENEATH INNER CAP: NA

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8260 B

LABORATORY PERFORMING ANALYSIS: TA | FLOW THROUGH CELL MODEL: Horiba U-52 | SERIAL # UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (ft.)	REMARKS (COLOR, ODOR, ETC.)
15:16	0	20.92	4.78	68	0.087	5.7	2.24	N/A	yellow/tan
15:21	806	19.59	4.23	112	0.100	7.2	0.10	N/A	
15:26	1380	19.37	3.98	100	0.093	6.8	0.00	N/A	
15:31	1940	19.17	4.23	88	0.093	6.1	0.0	N/A	
15:36	2480	19.25	4.44	94	0.092	6.3	0.0	N/A	
15:41	3050	19.08	4.50	83	0.091	6.4	0.0	N/A	
15:46	3620	19.16	4.52	83	0.091	6.3	0.0	N/A	
15:47								6.12	

COMMENTS:

SAMPLE COLLECTION TIME: 15:48

PREPARED BY: G Holma DV

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	20
Initial tubing depth (ft.) BTOC	10.1
Final tubing depth (ft.) BTOC	10.1
Initial pump speed	low
Time pump speed was initialized	15:12
Pump speed at flow into cylinder	low
Started new roll of tubing at	

12.77 − 4.37 = 8.40 ⇒ 3 well volume = (3707 + 4170) / 2 = 3938.5 mL

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket	15:12							
Actual Volume (ml)	2030							

Additional remarks: from around well satisfied

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: G-22

DATE: 4/28/15 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460002

WEATHER CONDITIONS: 60°F overcast

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [X] 1 [ ] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 5 FT. TO 10 FT.

HEIGHT OF STICK-UP: 3.67 FT. | BTOC WELL SCREEN INTERVAL: 8.67 FT. TO 13.67 FT.

TOTAL WELL DEPTH (BTOC): Reported 13.67 FT Measured 9.84 FT. | INITIAL WATER LEVEL (BTOC): 5.08 FT. | TIME: 10:13

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [X] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

PID/FID READINGS (ppm): BACKGROUND: NM BENEATH OUTER CAP: NM BENEATH INNER CAP: NM

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8260 B

LABORATORY PERFORMING ANALYSIS: | FLOW THROUGH CELL MODEL: Horiba U-52 | SERIAL # UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (ft.)	REMARKS (COLOR, ODOR, ETC.)
10:34	0	17.14	5.27	58	0.872	0.0	1.74	NA	Brownish color
10:39	200	17.15	5.24	55	0.873	0.0	1.70	NA	
10:44	380	17.19	5.24	55	0.879	0.0	1.69	NA	
10:49	540	17.24	5.24	56	0.881	0.0	1.67	NA	
								5.47	

COMMENTS:

SAMPLE COLLECTION TIME: 10:51

PREPARED BY: NDG

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	20
Initial tubing depth (ft.) BTOC	7.3
Final tubing depth (ft.) BTOC	7.3
Initial pump speed	1.50
Time pump speed was initialized	10:18
Pump speed at flow into cylinder	1.50
Started new roll of tubing at	—

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket								
Actual Volume (ml)								

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-2D

DATE: 4/27/15 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460002

WEATHER CONDITIONS: Sunny 78°F

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 17.50 FT. TO 27.50 FT.

HEIGHT OF STICK-UP: 0 FT. | BTOC WELL SCREEN INTERVAL: 17.50 FT. TO 27.50 FT.

TOTAL WELL DEPTH (BTOC): Reported 27.50 FT. Measured 26.67 FT. | INITIAL WATER LEVEL (BTOC): 3.98 FT. | TIME: 12:33

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [X] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

PID/FID READINGS (ppm): BACKGROUND: NM BENEATH OUTER CAP: NM BENEATH INNER CAP: NM

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8260 B

LABORATORY PERFORMING ANALYSIS: | FLOW THROUGH CELL MODEL: Horiba U-52 | SERIAL # UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (ft.)	REMARKS (COLOR, ODOR, ETC.)
12:46	0	18.72	6.35	-45	0.494	7.7	0.99	4.43	
12:51	1000	18.60	6.25	-52	0.507	12.2	0.00	4.77	
12:56	1820	18.53	6.23	-54	0.509	13.0	0.00	4.83	
12:51	2540	18.57	6.21	-54	0.513	9.7	0.00	4.81	

COMMENTS:

SAMPLE COLLECTION TIME: 12:53

PREPARED BY: WPG DV

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	21.7
Initial tubing depth (ft.) BTOC	21.7
Final tubing depth (ft.) BTOC	21.7
Initial pump speed	100
Time pump speed was initialized	12:47
Pump speed at flow into cylinder	100
Started new roll of tubing at	

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket	12:57							
Actual Volume (ml)	2000							

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-2S

DATE: 4/27/15 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460002

WEATHER CONDITIONS: Sunny ~80°F

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 2.85 FT. TO 7.85 FT.

HEIGHT OF STICK-UP: ~~0.75~~ ~0.0 FT. | BTOC WELL SCREEN INTERVAL: 2.10 FT. TO 7.10 FT.

TOTAL WELL DEPTH (BTOC): Reported 6.35 FT Measured 7.10 FT. | INITIAL WATER LEVEL (BTOC): 1.05 FT. | TIME: 11:53

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [X] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

PID/FID READINGS (ppm): BACKGROUND: NM BENEATH OUTER CAP: NA BENEATH INNER CAP: NA

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8260 B

LABORATORY PERFORMING ANALYSIS: | FLOW THROUGH CELL MODEL: Horiba U-52 | SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (ft.)	REMARKS (COLOR, ODOR, ETC.)
11:57	0	21.25	6.54	69	0.277	13.9	5.00	1.12	
12:02	850	19.39	6.77	71	0.291	13.0	1.15	1.15	Tan Tint
12:07	1650	18.91	6.83	71	0.309	12.5	0.64	1.18	
12:12	2540	18.85	6.85	66	0.318	12.5	0.74	1.19	
12:17	3400	18.83	6.86	63	0.323	12.6	0.87	1.19	
12:22	4200	18.80	6.87	64	0.330	12.5	1.00	1.25	

COMMENTS: | SAMPLE COLLECTION TIME: 12:24

PREPARED BY: WDG DV

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	20
Initial tubing depth (ft.) BTOC	~~4.5~~ 5.1
Final tubing depth (ft.) BTOC	~~4.5~~ 5.1
Initial pump speed	low
Time pump speed was initialized	11:53
Pump speed at flow into cylinder	low
Started new roll of tubing at	

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket	12:10							
Actual Volume (ml)	2200							

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-4S

DATE: 4/27/15 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460002

WEATHER CONDITIONS: 75°F Cloudy

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 7 FT. TO 17 FT.

HEIGHT OF STICK-UP: 2.64 FT. | BTOC WELL SCREEN INTERVAL: 9.64 FT. TO 19.64 FT.

TOTAL WELL DEPTH (BTOC): Reported 19.64 FT Measured 18.24 FT. | INITIAL WATER LEVEL (BTOC): 4.93 FT. | TIME: 17:09

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [X] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

PID/FID READINGS (ppm): BACKGROUND: NA BENEATH OUTER CAP: NA BENEATH INNER CAP: NA

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8260 B

LABORATORY PERFORMING ANALYSIS: TA | FLOW THROUGH CELL MODEL: Horiba U-52 | SERIAL # UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (ft.)	REMARKS (COLOR, ODOR, ETC.)
17:19 ~~17:15~~	0	21.88	6.47	-29	1.71	26.3	1.71	5.07	
17:24	820	19.10	6.10	-44	1.83	3.3	0.00	5.08	
17:29	1540	18.92	6.07	-47	1.84	2.9	0.00	5.08	
17:34	2240	18.80	6.06	-50	1.85	3.1	0.00	5.08	

COMMENTS:

SAMPLE COLLECTION TIME: 17:36

PREPARED BY: CWDG DV

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	20
Initial tubing depth (ft.) BTOC	13.2
Final tubing depth (ft.) BTOC	13.2
Initial pump speed	low
Time pump speed was initialized	17:15
Pump speed at flow into cylinder	Low
Started new roll of tubing at	—

Diverted large plug of fer particulate

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket	17:32							
Actual Volume (ml)	2000							

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-11D

DATE: 4/23/15 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460002

WEATHER CONDITIONS: cloudy ~ 78°F

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 10 FT. TO 20 FT.

HEIGHT OF STICK-UP: 3.10 FT. | BTOC WELL SCREEN INTERVAL: 13.10 FT. TO 23.10 FT.

TOTAL WELL DEPTH (BTOC): Reported 23.10 FT Measured 21.90 FT. | INITIAL WATER LEVEL (BTOC): 6.99 FT. | TIME: 10:08

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [X] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

PID/FID READINGS (ppm): BACKGROUND: NA BENEATH OUTER CAP: NA BENEATH INNER CAP: NA

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8260 B

LABORATORY PERFORMING ANALYSIS: | FLOW THROUGH CELL MODEL: Horiba U-52 | SERIAL # UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (ft.)	REMARKS (COLOR, ODOR, ETC.)
10:18	0	18.13	6.48	7	0.301	4.8	3.50	7.51	
10:24	780	17.42	6.41	-28	0.297	3.8	1.52	7.76	
10:29	1540	17.30	6.40	-35	0.290	6.8	0.12	7.91	

COMMENTS:

SAMPLE COLLECTION TIME: 10:31

PREPARED BY: Will Grant DV

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	21
Initial tubing depth (ft.) BTOC	16.4
Final tubing depth (ft.) BTOC	16.4
Initial pump speed	low
Time pump speed was initialized	10:18
Pump speed at flow into cylinder	low
Started new roll of tubing at	

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket								
Actual Volume (ml)								

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-14D

DATE: 4/29/15 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460002

WEATHER CONDITIONS: overcast 70°F light wind

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 26.34 FT. TO 31.34 FT.

HEIGHT OF STICK-UP: 2.83 FT. | BTOC WELL SCREEN INTERVAL: 29.17 FT. TO 34.17 FT.

TOTAL WELL DEPTH (BTOC): Reported 33.83 FT Measured 34.17 FT. | INITIAL WATER LEVEL (BTOC): 5.52 FT. | TIME: 16:22

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [X] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

PID/FID READINGS (ppm): BACKGROUND: NM BENEATH OUTER CAP: NM BENEATH INNER CAP: NM

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8260 B

LABORATORY PERFORMING ANALYSIS: TA | FLOW THROUGH CELL MODEL: Horiba U-52 | SERIAL # UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (ft.)	REMARKS (COLOR, ODOR, ETC.)
16:30	0	20.64	5.50	46	0.195	205	2.40	6.28	pink or orange particulate
16:35	640	20.22	6.37	-23	0.197	212	0.22	6.68	
16:40	1300	20.33	6.63	-54	0.196	142	0.00	6.73	
16:45	1980	20.37	6.71	-67	0.192	93.7	0.00	6.76	
16:50	2400	20.37	6.75	-75	0.191	64.1	0.00	6.81	
16:55	3000	20.43	6.79	-91	0.189	53.3	0.00	6.82	

COMMENTS:

SAMPLE COLLECTION TIME: 16:55

PREPARED BY: Shelby DV

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	35.5
Initial tubing depth (ft.) BTOC	31.7
Final tubing depth (ft.) BTOC	31.7
Initial pump speed	low
Time pump speed was initialized	16:26
Pump speed at flow into cylinder	low
Started new roll of tubing at	

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket	16:46							
Actual Volume (ml)	2000							

Additional remarks: water level in channel level with sl. rise 9 to

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-15S

DATE: 4/28/15 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460002

WEATHER CONDITIONS: Overcast ~60°F

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [X] 1 [ ] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 9.79 FT. TO 19.79 FT.

HEIGHT OF STICK-UP: 2.58 FT. | BTOC WELL SCREEN INTERVAL: 12.37 FT. TO 22.37 FT.

TOTAL WELL DEPTH (BTOC): Reported 15.08 FT Measured 22.37 FT. | INITIAL WATER LEVEL (BTOC): 2.76 FT. | TIME: 8:21

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [X] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

PID/FID READINGS (ppm): BACKGROUND: — BENEATH OUTER CAP: — BENEATH INNER CAP: —

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8260 B

LABORATORY PERFORMING ANALYSIS: | FLOW THROUGH CELL MODEL: Horiba U-52 | SERIAL # UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (ft.)	REMARKS (COLOR, ODOR, ETC.)
8:39	0	20.53	6.79	124	0.357	0.0	3.40	NA	1st pull has been backing
8:44	440	19.97	6.39	83	0.368	0.0	2.52	NA	
8:49	960	19.47	6.33	30	0.371	0.0	1.94	NA	
8:54	1420	19.07	6.10	12	0.373	0.0	1.57	NA	
8:59	1900	18.58	5.93	5	0.375	0.0	1.36	NA	
9:04	2320	18.36	6.48	-38	0.376	0.0	1.08	NA	
9:09	2800	18.04	6.41	-40	0.376	0.0	1.65	NA	
9:14	3300	17.98	6.15	-32	0.375	0.0	1.55	NA	
9:19	3800	17.87	5.95	-24	0.375	0.0	1.47	NA	
9:24	4300	17.82	6.43	-55	0.376	0.0	1.37	NA	
9:29	4720	17.75	6.38	-53	0.377	0.0	1.30	NA	
9:34	5220	17.68	6.14	-42	0.377	0.0	1.25	NA	
9:39	5700	17.62	5.98	-34	0.377	0.0	1.20	3.75	

COMMENTS:

SAMPLE COLLECTION TIME: 9:41

PREPARED BY: DV

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	20
Initial tubing depth (ft.) BTOC	17.4
Final tubing depth (ft.) BTOC	17.4
Initial pump speed	2.44
Time pump speed was initialized	8:34
Pump speed at flow into cylinder	
Started new roll of tubing at	

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket	9:01							
Actual Volume (ml)	2000							

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-26

DATE: 4/27/15 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460002

WEATHER CONDITIONS: 60°F cloudy windy

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [X] 1 [ ] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 27.42 FT. TO 37.42 FT.

HEIGHT OF STICK-UP: 2.75 FT. | BTOC WELL SCREEN INTERVAL: 30.17 FT. TO 40.17 FT.

TOTAL WELL DEPTH (BTOC): Reported 22.75 FT Measured 40.17 FT. | INITIAL WATER LEVEL (BTOC): 37.42 FT. | TIME:

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [X] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

PID/FID READINGS (ppm): BACKGROUND: NM BENEATH OUTER CAP: NM BENEATH INNER CAP: NM

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8260 B

LABORATORY PERFORMING ANALYSIS: TA | FLOW THROUGH CELL MODEL: Horiba U-52 | SERIAL # UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (ft.)	REMARKS (COLOR, ODOR, ETC.)
18:42	0	20.57	6.78	-4	0.372	4.2	4.41	N/A	
18:47	800	19.48	7.57	-41	0.382	3.5	1.24	N/A	
18:52	1500	19.02	7.81	-58	0.395	3.7	0.43	N/A	
18:57	2300	18.12	7.99	-71	0.386	3.3	0.33	N/A	
19:02	3050	18.86	8.07	-79	0.387	0.4	0.21	N/A	
19:07	3750	18.82	8.11	-84	0.387	2.4	0.01	N/A	
19:12	4400	18.82	8.14	-88	0.387	0.1	0.00	N/A	
								7.40	

COMMENTS:

SAMPLE COLLECTION TIME: 19:15

PREPARED BY: SEH DV

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	38.7
Initial tubing depth (ft.) BTOC	35.2
Final tubing depth (ft.) BTOC	35.2
Initial pump speed	low
Time pump speed was initialized	18:38
Pump speed at flow into cylinder	low
Started new roll of tubing at	

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket	18:58							
Actual Volume (ml)	2500							

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-29

DATE: 4/27/15 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460002

WEATHER CONDITIONS: 75° Cloudy

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [X] 1 [ ] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 10.42 FT. TO 20.42 FT.

HEIGHT OF STICK-UP: 0 FT. | BTOC WELL SCREEN INTERVAL: 10.42 FT. TO 20.42 FT.

TOTAL WELL DEPTH (BTOC): Reported 20.00 FT Measured 19.76 FT. | INITIAL WATER LEVEL (BTOC): 1.96 FT. | TIME: 17:03

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [X] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

PID/FID READINGS (ppm): BACKGROUND: NA BENEATH OUTER CAP: NA BENEATH INNER CAP: NA

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8260 B

LABORATORY PERFORMING ANALYSIS: | FLOW THROUGH CELL MODEL: Horiba U-52 | SERIAL # UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (ft.)	REMARKS (COLOR, ODOR, ETC.)
17:20	0	26.47	7.58	8	0.300	0.7	8.08	NA	small Black Plug @ SA Bell
17:25	220	26.22	6.15	14	0.303	3.9	7.26	NA	Water in cylinder is
17:30	420	25.93	5.93	12	0.299	29.1	6.75	NA	Pale yellow
17:35	620	25.6	5.83	12	0.295	45.1	6.41	NA	
17:40	800	25.31	5.79	12	0.290	48.1	6.12	NA	
17:45	940	25.07	5.78	11	0.288	47.7	5.89	NA	
								5.77	

COMMENTS:

SAMPLE COLLECTION TIME: 17:51

PREPARED BY: DV

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	20
Initial tubing depth (ft.) BTOC	14.8
Final tubing depth (ft.) BTOC	14.8
Initial pump speed	1.49
Time pump speed was initialized	17:07
Pump speed at flow into cylinder	1.49
Started new roll of tubing at	

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket								
Actual Volume (ml)								

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-31

DATE: 4/28/15 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460002

WEATHER CONDITIONS: Cloudy 65°F

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [X] 1 [ ] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 12 FT. TO 22 FT.

HEIGHT OF STICK-UP: 2.42 FT. | BTOC WELL SCREEN INTERVAL: 14.42 FT. TO 24.42 FT.

TOTAL WELL DEPTH (BTOC): Reported 24.42 FT Measured 22.23 FT. | INITIAL WATER LEVEL (BTOC): 4.91 FT. | TIME: 17:50

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [X] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

PID/FID READINGS (ppm): BACKGROUND: NA BENEATH OUTER CAP: NA BENEATH INNER CAP: NA

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8260 B

LABORATORY PERFORMING ANALYSIS: | FLOW THROUGH CELL MODEL: Horiba U-52 | SERIAL # UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (ft.)	REMARKS (COLOR, ODOR, ETC.)
18:00	0	18.12	5.39	61	0.995	83.6	1.47	NA	
18:05	420	17.78	5.29	62	1.03	19.9	0.93	NA	water in cylinder is
18:10	720	17.67	5.16	66	1.03	12.1	0.83	NA	orange
18:15	1040	17.56	5.10	68	1.03	6.6	0.71	NA	
18:20	1380	17.46	5.07	71	1.02	0.0	0.66	NA	
								5.94	

COMMENTS:

SAMPLE COLLECTION TIME: 18:22

PREPARED BY: DV

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	20
Initial tubing depth (ft.) BTOC	17.2
Final tubing depth (ft.) BTOC	~~17.2~~ 16.7
Initial pump speed	2.31
Time pump speed was initialized	17:52
Pump speed at flow into cylinder	2.31
Started new roll of tubing at	

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket								
Actual Volume (ml)								

Additional remarks: All 1/4 tubing, Parcel Mark by 6 inches

ENVIRONMENTAL INTERNATIONAL CORPORATION

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-32

DATE: 4/28/15 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460002

WEATHER CONDITIONS: Partly cloudy 70°F

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [X] 1 [ ] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 12 FT. TO 22 FT.

HEIGHT OF STICK-UP: 2.37 FT. | BTOC WELL SCREEN INTERVAL: 14.37 FT. TO 24.37 FT.

TOTAL WELL DEPTH (BTOC): Reported 24.37 FT Measured 22.15 FT. | INITIAL WATER LEVEL (BTOC): 4.51 FT. | TIME: 16:05

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [X] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

PID/FID READINGS (ppm): BACKGROUND: NA BENEATH OUTER CAP: NA BENEATH INNER CAP: NA

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8260 B

LABORATORY PERFORMING ANALYSIS: | FLOW THROUGH CELL MODEL: Horiba U-52 | SERIAL # UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (ft.)	REMARKS (COLOR, ODOR, ETC.)
16:15	0	20.59	4.57	80	0.681	80.7	2.68	NA	water, in cylinder
16:20	640	20.99	4.45	96	0.644	19.4	1.74	NA	light brown/beer
16:25	1140	20.17	4.39	104	0.555	0.0	1.74	NA	
16:30	1590	19.79	4.31	113	0.550	0.0	1.56	NA	
16:35	2000	19.87	4.27	118	0.540	0.0	1.39	NA	
16:40	2420	17.75	4.37	114	0.556	0.0	0.76	NA	
16:45	2860	17.67	4.28	121	0.553	0.0	0.68	NA	
								5.22	

COMMENTS: | SAMPLE COLLECTION TIME: 16:47

PREPARED BY: WDG DV

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	20
Initial tubing depth (ft.) BTOC	17.1
Final tubing depth (ft.) BTOC	17.1
Initial pump speed	3.05
Time pump speed was initialized	16:08
Pump speed at flow into cylinder	3.05
Started new roll of tubing at	

All left to tubing from TOC next time

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket	16:35							
Actual Volume (ml)	2000							

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-33

DATE: 4/28/15 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460002

WEATHER CONDITIONS: 63°F light wind blue over cast

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [X] 1 [ ] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 10 FT. TO 20 FT.

HEIGHT OF STICK-UP: 2.38 FT. | BTOC WELL SCREEN INTERVAL: 12.38 FT. TO 22.38 FT.

TOTAL WELL DEPTH (BTOC): Reported 22.38 FT Measured 22.13 FT. | INITIAL WATER LEVEL (BTOC): FT. | TIME:

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [X] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

PID/FID READINGS (ppm): BACKGROUND: N/A BENEATH OUTER CAP: N/A BENEATH INNER CAP: N/A

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8260 B

LABORATORY PERFORMING ANALYSIS: TA | FLOW THROUGH CELL MODEL: Horiba U-52 | SERIAL # UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (ft.)	REMARKS (COLOR, ODOR, ETC.)
9:29	400	17.63	6.72	-27	0.623	46.0	1.12	N/A	tan tint
9:34	1040	17.62	6.84	-47	0.638	42.0	0.02	N/A	
9:39	1820	17.60	6.86	-56	0.645	38.5	0.00	N/A	
9:44	2800	17.59	6.87	-63	0.649	33.6	0.00	N/A	
9:49	3700	17.58	6.87	-66	0.654	31.9	0.00	N/A	
								5.30	

COMMENTS:

SAMPLE COLLECTION TIME: 9:51

PREPARED BY: GDC DV

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	30
Initial tubing depth (ft.) BTOC	17.1
Final tubing depth (ft.) BTOC	17.1
Initial pump speed	low
Time pump speed was initialized	9:20
Pump speed at flow into cylinder	low
Started new roll of tubing at	

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket	9:40							
Actual Volume (ml)	2030							

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-35

DATE: 4/28/15 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460002

WEATHER CONDITIONS: 63°F Overcast No wind

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [X] 1 [ ] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 28.02 FT. TO 38.02 FT.

HEIGHT OF STICK-UP: 1.18 FT. | BTOC WELL SCREEN INTERVAL: 29.20 FT. TO 39.20 FT.

TOTAL WELL DEPTH (BTOC): Reported 21.18 FT Measured 39.20 FT. | INITIAL WATER LEVEL (BTOC): 0.2 FT. | TIME: 10:10

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [X] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

PID/FID READINGS (ppm): BACKGROUND: NM BENEATH OUTER CAP: NM BENEATH INNER CAP: NM

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8260 B

LABORATORY PERFORMING ANALYSIS: TA | FLOW THROUGH CELL MODEL: Horiba U-52 | SERIAL # UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (ft.)	REMARKS (COLOR, ODOR, ETC.)
10:16	0	17.59	7.23	-53	0.364	13.2	3.42	N/A	
10:21	740	17.73	7.89	-72	0.367	146	0.37	N/A	
10:26	1520	17.88	8.08	-87	0.372	79.4	0.00	N/A	
10:31	2280	17.95	8.11	-94	0.375	41.0	0.00	N/A	
10:36	3000	18.02	8.13	-99	0.376	22.0	0.00	N/A	
10:41	3740	18.05	8.14	-102	0.377	14.7	0.00	N/A	
								7.30	

COMMENTS:

SAMPLE COLLECTION TIME: 10:43

PREPARED BY: WDG DV

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	37.2
Initial tubing depth (ft.) BTOC	34.2
Final tubing depth (ft.) BTOC	34.2
Initial pump speed	low
Time pump speed was initialized	10:14
Pump speed at flow into cylinder	low
Started new roll of tubing at	

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket	10:24							
Actual Volume (ml)	2000							

Additional remarks: Well screen interval unknown.

ENVIRONMENTAL INTERNATIONAL CORPORATION

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-36

DATE: 4/27/15 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460002

WEATHER CONDITIONS: cloudy ~80 °F

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [ ] 2 [ ] 4 [ ] 6 [X] OTHER: 3/4" | BGS WELL SCREEN INTERVAL: 34.85 FT. TO 39.85 FT.

HEIGHT OF STICK-UP: 2.08 FT. | BTOC WELL SCREEN INTERVAL: 36.93 FT. TO 41.93 FT.

TOTAL WELL DEPTH (BTOC): Reported 30.08 FT Measured 41.93 FT. | INITIAL WATER LEVEL (BTOC): 3.70 FT. | TIME: 18:03

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [X] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

PID/FID READINGS (ppm): BACKGROUND: NM BENEATH OUTER CAP: NM BENEATH INNER CAP: NM

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8260 B

LABORATORY PERFORMING ANALYSIS: | FLOW THROUGH CELL MODEL: Horiba U-52 | SERIAL # UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (ft.)	REMARKS (COLOR, ODOR, ETC.)
18:18	0	23.11	6.22	14	0.371	0.0	3.57	NA	
18:23	220	22.52	6.78	-15	0.384	0.0	2.73	NA	
18:28	400	22.21	6.95	-28	0.391	0.0	1.90	NA	
18:33	590	21.88	7.08	-38	0.395	0.0	1.62	NA	
18:38	740	21.54	7.10	-43	0.398	0.0	1.55	NA	
18:43	900	21.36	7.09	-44	0.400	0.0	1.54	NA	
								18.79	

COMMENTS:

SAMPLE COLLECTION TIME: 18:45

PREPARED BY: WDG DV

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	42.4
Initial tubing depth (ft.) BTOC	39.4
Final tubing depth (ft.) BTOC	39.4
Initial pump speed	1.53
Time pump speed was initialized	18:08
Pump speed at flow into cylinder	1.53
Started new roll of tubing at	

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket								
Actual Volume (ml)								

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-37S

DATE: 4/28/15 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460002

WEATHER CONDITIONS: 70°C ~~out~~ cloudy windy ~5-10 mph

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 10 FT. TO 20 FT.

HEIGHT OF STICK-UP: ~0 FT. | BTOC WELL SCREEN INTERVAL: 10 FT. TO 20 FT.

TOTAL WELL DEPTH (BTOC): Reported NA FT. Measured NA FT. | INITIAL WATER LEVEL (BTOC): 4.55 FT. | TIME: 14:26

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [X] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

PID/FID READINGS (ppm): BACKGROUND: NA BENEATH OUTER CAP: NA BENEATH INNER CAP: NA

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8260 B

LABORATORY PERFORMING ANALYSIS: | FLOW THROUGH CELL MODEL: Horiba U-52 | SERIAL # UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (ft.)	REMARKS (COLOR, ODOR, ETC.)
14:38	Ø	21.48	6.49	50	0.235	19.1	1.46	4.64	Orange/tan material in water
14:44	620	21.17	5.99	12	0.241	0.0	1.02	4.65	
14:50	1140	21.12	5.80	2	0.240	0.0	0.84	4.65	
14:55	1600	20.98	5.75	-6	0.239	0.0	0.77	4.65	
15:00	2000	20.79	6.12	-38	0.241	0.0	0.73	4.66	
15:05	2400	20.86	6.14	-40	0.241	0.0	0.68	4.66	
15:10	2880	20.39	6.04	-38	0.240	0.0	0.63	4.66	

COMMENTS: | SAMPLE COLLECTION TIME: 15:12

PREPARED BY: WDC DV

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

4/29/15
DTW = 4.17 ft. BTOC
DTB = 20.02 ft. BTOC

Length of tubing cut (ft.)	20
Initial tubing depth (ft.) BTOC	15
Final tubing depth (ft.) BTOC	15
Initial pump speed	2.94
Time pump speed was initialized	14:29
Pump speed at flow into cylinder	2.04
Started new roll of tubing at	—

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket	15:00							
Actual Volume (ml)	2000							

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-38D

DATE: 4/28/15 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460002

WEATHER CONDITIONS: Sunny Partly cloudy 5 mph wind

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 25 FT. TO 30 FT.

HEIGHT OF STICK-UP: ~0 FT. | BTOC WELL SCREEN INTERVAL: 25 FT. TO 30 FT.

TOTAL WELL DEPTH (BTOC): Reported NA FT. Measured NA FT. | INITIAL WATER LEVEL (BTOC): 4.53 FT. | TIME: 15:22

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [X] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

PID/FID READINGS (ppm): BACKGROUND: NA BENEATH OUTER CAP: NA BENEATH INNER CAP: NA

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8260 B

LABORATORY PERFORMING ANALYSIS: | FLOW THROUGH CELL MODEL: Horiba U-52 | SERIAL # UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (ft.)	REMARKS (COLOR, ODOR, ETC.)
15:31	0	21.82	6.43	-33	0.864	0.0	1.20	5.08	
15:35	460	21.64	6.65	-50	0.871	2.0	0.91	5.45	Pump slow - 2.28
15:40	860	21.55	6.72	-59	0.865	0.0	0.85	5.53	
15:45	1200	21.50	6.71	-62	0.853	0.0	0.87	5.56	

COMMENTS:

SAMPLE COLLECTION TIME: 15:51

PREPARED BY: WDG

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

4/29/15 (after rain)

DTW = 3.79 ft. BTOC

DTB = 29.86 ft. BTOC

Length of tubing cut (ft.)	30.5
Initial tubing depth (ft.) BTOC	27.5
Final tubing depth (ft.) BTOC	27.5
Initial pump speed	3.01
Time pump speed was initialized	15:26
Pump speed at flow into cylinder	3.01
Started new roll of tubing at	—

Pump slowed to 2.28

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket								
Actual Volume (ml)								

Additional remarks: 4.49 ft @ 14:25

ENVIRONMENTAL INTERNATIONAL CORPORATION

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-39D

DATE: 4/28/15 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460002

WEATHER CONDITIONS: Cloudy ~ 78°F

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 25 FT. TO 30 FT.

HEIGHT OF STICK-UP: ~0 FT. | BTOC WELL SCREEN INTERVAL: 25 FT. TO 30 FT.

TOTAL WELL DEPTH (BTOC): Reported NA FT. Measured NA FT. | INITIAL WATER LEVEL (BTOC): 2.18 FT. | TIME: 11:16

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [X] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

PID/FID READINGS (ppm): BACKGROUND: NM BENEATH OUTER CAP: NM BENEATH INNER CAP: NM

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8260 B

LABORATORY PERFORMING ANALYSIS: | FLOW THROUGH CELL MODEL: Horiba U-52 | SERIAL # UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (ft.)	REMARKS (COLOR, ODOR, ETC.)
11:24	0	17.60	6.58	-6	0.376	0.0	2.07	2.31	
11:29	540	17.94	6.90	-27	0.381	0.0	1.46	2.34	
11:34	1020	17.92	6.87	-29	0.378	0.0	1.21	2.34	
11:39	1560	18.02	6.72	-27	0.376	0.0	1.07	2.34	
11:44	2000	18.10	7.02	-45	0.376	0.0	0.93	2.36	
11:49	2500	18.13	6.95	-42	0.375	0.0	0.77	2.36	
11:54	3000	18.18	6.79	-36	0.373	0.0	0.69	2.36	
11:59	3500	18.17	6.73	-34	0.373	0.0	0.65	2.37	
12:04	4000	18.21	6.63	-30	0.373	0.0	0.61	2.37	
12:09	4580	18.30	6.41	-49	0.373	0.0	0.59	2.37	
12:14	5060	18.34	6.78	-43	0.373	0.0	0.56	2.38	
12:19	5680	18.37	6.67	-38	0.371	0.0	0.54	2.38	
12:24	6150	18.40	7.06	-62	0.372	0.0	0.53	2.38	

COMMENTS: | SAMPLE COLLECTION TIME: 12:26

PREPARED BY: DV

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	30.5
Initial tubing depth (ft.) BTOC	27.5
Final tubing depth (ft.) BTOC	27.5
Initial pump speed	3.09
Time pump speed was initialized	11:19
Pump speed at flow into cylinder	3.09
Started new roll of tubing at	

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket	11:44	12:14						
Actual Volume (ml)	2000	4060						

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-40S

DATE: 4/27/15 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460002

WEATHER CONDITIONS: 58°F Light wind Cloudy

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 10 FT. TO 20 FT.

HEIGHT OF STICK-UP: ~0 FT. | BTOC WELL SCREEN INTERVAL: 10 FT. TO 20 FT.

TOTAL WELL DEPTH (BTOC): Reported NA FT. Measured NA FT. | INITIAL WATER LEVEL (BTOC): 2 3/16" FT. | TIME: 17:55

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [X] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

PID/FID READINGS (ppm): BACKGROUND: NM BENEATH OUTER CAP: NM BENEATH INNER CAP: NM

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8260 B

LABORATORY PERFORMING ANALYSIS: TA | FLOW THROUGH CELL MODEL: Horiba U-52 | SERIAL # UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (ft.)	REMARKS (COLOR, ODOR, ETC.)
18:00	0	21.90	6.75	-8	0.263	11.8	2.49	3"	
18:05	800	20.21	6.82	-59	0.272	11.0	0.00	3 1/8"	
18:10	1440	19.77	6.86	-70	0.274	9.3	0.00	3 1/8"	
18:15	2180	19.51	6.86	-76	0.274	8.4	0.00	3 3/8	

COMMENTS:

SAMPLE COLLECTION TIME: 18:17

PREPARED BY: WDG DV

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	20
Initial tubing depth (ft.) BTOC	15
Final tubing depth (ft.) BTOC	15
Initial pump speed	100
Time pump speed was initialized	17:58
Pump speed at flow into cylinder	NM
Started new roll of tubing at	

DTB ~20.12 ft

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket	18:13							
Actual Volume (ml)	2000							

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-41D

DATE: 4/27/15 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460002

WEATHER CONDITIONS: Sunny ~80°F

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 25 FT. TO 30 FT.

HEIGHT OF STICK-UP: ~0 FT. | BTOC WELL SCREEN INTERVAL: 25 FT. TO 30 FT.

TOTAL WELL DEPTH (BTOC): Reported NA FT. Measured NA FT. | INITIAL WATER LEVEL (BTOC): 2.92 FT. | TIME: 16:12

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [X] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

PID/FID READINGS (ppm): BACKGROUND: NM BENEATH OUTER CAP: NM BENEATH INNER CAP: NM

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8260 B

LABORATORY PERFORMING ANALYSIS: | FLOW THROUGH CELL MODEL: Horiba U-52 | SERIAL # UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (ft.)	REMARKS (COLOR, ODOR, ETC.)
16:20	0	22.37	7.21	-21	0.331	78.5	2.17	3.38	
16:25	720	21.37	7.61	-57	0.337	64.4	0.09	3.64	
16:30	1400	21.17	7.70	-73	0.339	59.4	0.00	3.73	
16:35	2180	20.94	7.77	-86	0.338	57.0	0.00	3.77	
16:40	2900	22.95	7.80	-93	0.335	47.1	0.00	3.79	

COMMENTS:

SAMPLE COLLECTION TIME: 16:42

PREPARED BY: WDG DV

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	30.5
Initial tubing depth (ft.) BTOC	27.5
Final tubing depth (ft.) BTOC	27.5
Initial pump speed	100V
Time pump speed was initialized	16:38
Pump speed at flow into cylinder	12V
Started new roll of tubing at	

DTB = 30.25 ft. BTOC

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket	16:54							
Actual Volume (ml)								

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-42S

DATE: 4/27/15 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460002

WEATHER CONDITIONS: Sunny 69°F

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 10 FT. TO 20 FT.

HEIGHT OF STICK-UP: ~0 FT. | BTOC WELL SCREEN INTERVAL: 10 FT. TO 20 FT.

TOTAL WELL DEPTH (BTOC): Reported NA FT. Measured NA FT. | INITIAL WATER LEVEL (BTOC): 3.49 FT. | TIME: ~~2:56~~ / 4:56

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [X] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

PID/FID READINGS (ppm): BACKGROUND: NA BENEATH OUTER CAP: NA BENEATH INNER CAP: NA

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8260 B

LABORATORY PERFORMING ANALYSIS: | FLOW THROUGH CELL MODEL: Horiba U-52 | SERIAL # UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (ft.)	REMARKS (COLOR, ODOR, ETC.)
16:26	0	25.92	10.98	-196	2.23	0.0	2.51	4.01	water is clear
16:31	500	26.20	11.21	-236	2.28	0.0	0.90	4.17	←
16:36	1000	25.96	11.23	-242	2.30	5.2	0.71	4.26	slowed down to 2.50
16:41	1400	25.77	11.24	-245	2.32	20.4	0.68	4.20	

COMMENTS:

SAMPLE COLLECTION TIME: 16:43

PREPARED BY: WDG

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	20
Initial tubing depth (ft.) BTOC	15
Final tubing depth (ft.) BTOC	15
Initial pump speed	3.01
Time pump speed was initialized	16:21
Pump speed at flow into cylinder	3.01
Started new roll of tubing at	

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket								
Actual Volume (ml)								

Additional remarks:
DTB: 19.22

ENVIRONMENTAL INTERNATIONAL CORPORATION

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-43D

DATE: 4/27/15 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460002

WEATHER CONDITIONS: Sunny 69°F

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 25 FT. TO 30 FT.

HEIGHT OF STICK-UP: ~0 FT. | BTOC WELL SCREEN INTERVAL: 25 FT. TO 30 FT.

TOTAL WELL DEPTH (BTOC): Reported NA FT. Measured NA FT. | INITIAL WATER LEVEL (BTOC): 3.61 FT. | TIME: 1459

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [X] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

PID/FID READINGS (ppm): BACKGROUND: NA BENEATH OUTER CAP: NA BENEATH INNER CAP: NA

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8260 B

LABORATORY PERFORMING ANALYSIS: | FLOW THROUGH CELL MODEL: Horiba U-52 | SERIAL # UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (ft.)	REMARKS (COLOR, ODOR, ETC.)
1509	0	26.86	7.72	-26	0.191	232	2.02	3.79	1st pull clear
1514	540	25.25	8.70	-111	0.201	149	1.36	3.81	
1519	1120	24.21	8.60	-111	0.224	142	1.15	3.82	
1524	1620	23.91	8.56	-111	0.236	125	1.03	3.81	
1529	2300	23.97	8.84	-127	0.250	103	0.91	3.81	
1534	2900	23.78	8.66	-116	0.267	103	0.86	3.81	
1539	3440	23.61	8.51	-107	0.277	94.8	0.81	3.81	
1544	4000	23.57	8.55	-110	0.287	80.3	0.78	3.81	
1549	4600	23.56	8.35	-97	0.298	79.4	0.74	3.82	
1554	5200	23.42	8.19	-88	0.305	76.2	0.72	3.82	
1559	5840	23.34	8.01	-77	0.309	75.3	0.69	3.82	
1604	6380	23.41	8.16	-81	0.317	70.2	0.67	3.81	

COMMENTS:

SAMPLE COLLECTION TIME: 1606

PREPARED BY: DV

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	30.5
Initial tubing depth (ft.) BTOC	27.5
Final tubing depth (ft.) BTOC	27.5
Initial pump speed	~~3.09~~ 3.09
Time pump speed was initialized	1505
Pump speed at flow into cylinder	3.09
Started new roll of tubing at	

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket	1526	1544	1600					
Actual Volume (ml)	2000	~~2000~~ 4	~~2000~~ 6					

Additional remarks:

DTB: 31.23

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-44D

DATE: 4/27/15 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460002

WEATHER CONDITIONS: Sunny

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 25 FT. TO 30 FT.

HEIGHT OF STICK-UP: ~0 FT. | BTOC WELL SCREEN INTERVAL: 25 FT. TO 30 FT.

TOTAL WELL DEPTH (BTOC): Reported NA FT. Measured NA FT. | INITIAL WATER LEVEL (BTOC): FT. | TIME:

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [X] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

PID/FID READINGS (ppm): BACKGROUND: NM BENEATH OUTER CAP: NM BENEATH INNER CAP: NM

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8260 B

LABORATORY PERFORMING ANALYSIS: | FLOW THROUGH CELL MODEL: Horiba U-52 | SERIAL # UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (ft.)	REMARKS (COLOR, ODOR, ETC.)
12:12	0	22.70	5.54	84	0.571	78.2	3.43	6.38	
12:17	620	23.11	5.21	80	0.649	55.6	1.61	6.38	
12:22	1100	23.78	5.14	70	0.661	39.7	1.08	6.38	
12:27	1580	24.29	5.13	65	0.662	20.8	0.95	6.38	
12:32	2000	24.80	5.16	58	0.662	5.3	0.86	6.38	

COMMENTS: | SAMPLE COLLECTION TIME: ~~[illegible]~~ 12:34

PREPARED BY: WPG DV

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

DTB = 30.48 ft. BTOC

Length of tubing cut (ft.)	30.5
Initial tubing depth (ft.) BTOC	27.5
Final tubing depth (ft.) BTOC	27.5
Initial pump speed	2.99
Time pump speed was initialized	~~[illegible]~~ 12:07
Pump speed at flow into cylinder	2.99
Started new roll of tubing at	—

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket	12:31							
Actual Volume (ml)	2000							

Additional remarks:

5.83 12:12 → 45s

ENVIRONMENTAL INTERNATIONAL CORPORATION

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-45S

DATE: 4/27/15 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460002

WEATHER CONDITIONS: Sunny ~ 82°F

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 10 FT. TO 20 FT.

HEIGHT OF STICK-UP: ~0 FT. | BTOC WELL SCREEN INTERVAL: 10 FT. TO 20 FT.

TOTAL WELL DEPTH (BTOC): Reported NA FT. Measured NA FT. | INITIAL WATER LEVEL (BTOC): 5.81 FT. | TIME: 12:47

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [X] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

PID/FID READINGS (ppm): BACKGROUND: NM BENEATH OUTER CAP: NM BENEATH INNER CAP: NM

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8260 B

LABORATORY PERFORMING ANALYSIS: | FLOW THROUGH CELL MODEL: Horiba U-52 | SERIAL # UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (ft.)	REMARKS (COLOR, ODOR, ETC.)
12:54	0	25.43	4.81	71	0.604	6.4	2.45	5.97	
12:59	540	25.14	4.77	71	0.6022	1.5	1.23	5.97	
13:04	1020	25.37	4.78	69	0.621	3.4	0.86	5.97	

COMMENTS: | SAMPLE COLLECTION TIME: 13:06

PREPARED BY: CWDG DJ

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	20
Initial tubing depth (ft.) BTOC	15
Final tubing depth (ft.) BTOC	15
Initial pump speed	3.04
Time pump speed was initialized	12:49
Pump speed at flow into cylinder	3.04
Started new roll of tubing at	—

DTB = 20.21 ft BTOC

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket								
Actual Volume (ml)								

Additional remarks: well was under pressure, removed cap to reduce pressure before taking DTW

ENVIRONMENTAL INTERNATIONAL CORPORATION

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-46S

DATE: 4-27-15 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460002

WEATHER CONDITIONS: 70°F, Partly Cloudy low wind

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 10 FT. TO 20 FT.

HEIGHT OF STICK-UP: ~0 FT. | BTOC WELL SCREEN INTERVAL: 10 FT. TO 20 FT.

TOTAL WELL DEPTH (BTOC): Reported NA FT. Measured NA FT. | INITIAL WATER LEVEL (BTOC): 6.11 FT. | TIME: 10:54

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [X] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

PID/FID READINGS (ppm): BACKGROUND: NA BENEATH OUTER CAP: NA BENEATH INNER CAP: NA

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8260 B

LABORATORY PERFORMING ANALYSIS: | FLOW THROUGH CELL MODEL: Horiba U-52 | SERIAL # UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (ft.)	REMARKS (COLOR, ODOR, ETC.)
10:58 ~~10:55~~	0	20.24	6.12	56	0.846	20.2	4.05	6.22	
11:03 ~~10:59~~	1120	20.07	6.08	78	0.883	19.2	0.05	6.28	
11:08	2200	20.20	6.07	82	0.894	20.7	0.00	6.23	
10:13	3050	20.68	6.07	84	0.897	22.9	0.00	6.15	

COMMENTS: | SAMPLE COLLECTION TIME: 10:15

PREPARED BY: WDG DV

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	20
Initial tubing depth (ft.) BTOC	15
Final tubing depth (ft.) BTOC	15
Initial pump speed	low
Time pump speed was initialized	10:55
Pump speed at flow into cylinder	low
Started new roll of tubing at	—

Pump Brokeln decontaminated

DTB = 19.63 RL

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket	11:10							
Actual Volume (ml)	2500							

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-47D

DATE: 4/7/15 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460002

WEATHER CONDITIONS: Cloudy ~82°F

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 25 FT. TO 30 FT.

HEIGHT OF STICK-UP: ~0 FT. | BTOC WELL SCREEN INTERVAL: 25 FT. TO 30 FT.

TOTAL WELL DEPTH (BTOC): Reported NA FT. Measured NA FT. | INITIAL WATER LEVEL (BTOC): 5.97 FT. | TIME: 10:06

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [X] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

PID/FID READINGS (ppm): BACKGROUND: NM BENEATH OUTER CAP: NM BENEATH INNER CAP: NM

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8260 B

LABORATORY PERFORMING ANALYSIS: | FLOW THROUGH CELL MODEL: Horiba U-52 | SERIAL # UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (ft.)	REMARKS (COLOR, ODOR, ETC.)
11:14	0	19.82	5.72	189	0.427	287	3.04	6.12	light orange in color
11:19	600	19.79	6.26	158	0.443	222	1.49	6.08	
11:24	1160	19.80	6.36	135	0.453	201	1.02	6.08	water in cylinder still
11:29	1700	19.82	6.40	114	0.458	153	0.89	6.08	orange/yellow
11:34	2200	19.62	6.42	96	0.462	159	0.84	6.08	

COMMENTS:

SAMPLE COLLECTION TIME: 11:36

PREPARED BY: Will Grant DV

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	30.5
Initial tubing depth (ft.) BTOC	27.5
Final tubing depth (ft.) BTOC	27.5
Initial pump speed	3.04
Time pump speed was initialized	11:01
Pump speed at flow into cylinder	3.04
Started new roll of tubing at	

PTB = 30.13 ft BTOC

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket	11:33							
Actual Volume (ml)	2000							

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-48S

DATE: 2/12/15 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460002

WEATHER CONDITIONS:

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 10 FT. TO 20 FT.

HEIGHT OF STICK-UP: ~0 FT. | BTOC WELL SCREEN INTERVAL: 10 FT. TO 20 FT.

TOTAL WELL DEPTH (BTOC): Reported NA FT. Measured NA FT. | INITIAL WATER LEVEL (BTOC): 5.24 FT. | TIME: 10:08

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [X] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

PID/FID READINGS (ppm): BACKGROUND: NA BENEATH OUTER CAP: NA BENEATH INNER CAP: NA

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8260 B

LABORATORY PERFORMING ANALYSIS: | FLOW THROUGH CELL MODEL: Horiba U-52 | SERIAL # UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (ft.)	REMARKS (COLOR, ODOR, ETC.)
10:25	0	19.26	5.18	248	0.164	3.3	6.16	5.28	clear water @ 1st pull
10:30	620	18.49	4.11	269	0.163	2.1	5.97	5.28	
10:35	1180	18.14	4.00	276	0.164	12.6	6.77	5.28	
10:40	1750	18.08	3.96	281	0.164	26.6	8.02	5.28	
10:46	2400	18.07	4.09	275	0.163	33.5	7.74	5.28	
10:51	2860	18.11	4.09	276	0.163	24.2	6.01	5.28	
10:56	4060	18.12	4.09	277	0.163	21.7	5.89	5.28	

COMMENTS:

SAMPLE COLLECTION TIME: 10:55

PREPARED BY: Will Grant

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	20
Initial tubing depth (ft.) BTOC	15
Final tubing depth (ft.) BTOC	15
Initial pump speed	3.01
Time pump speed was initialized	10:14
Pump speed at flow into cylinder	3.01
Started new roll of tubing at	

DTB = 20.05 ft. BTOC

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket								
Actual Volume (ml)								

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-49D

DATE: 4/29/15 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460002

WEATHER CONDITIONS: cloudy

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 25 FT. TO 30 FT.

HEIGHT OF STICK-UP: ~0 FT. | BTOC WELL SCREEN INTERVAL: 25 FT. TO 30 FT.

TOTAL WELL DEPTH (BTOC): Reported NA FT. Measured NA FT. | INITIAL WATER LEVEL (BTOC): 4.65 FT. | TIME: 9:43

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [X] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

PID/FID READINGS (ppm): BACKGROUND: NM BENEATH OUTER CAP: NM BENEATH INNER CAP: NM

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8260 B

LABORATORY PERFORMING ANALYSIS: | FLOW THROUGH CELL MODEL: Horiba U-52 | SERIAL # UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (ft.)	REMARKS (COLOR, ODOR, ETC.)
9:50	0	18.13	7.03	-12	0.545	8.5	3.53	5.06	
9:55	700	18.63	6.90	-55	0.563	9.4	0.87	5.35	
10:00	1220	18.82	6.87	-69	0.572	13.3	0.31	5.52	
10:05	1820	18.92	6.86	-78	0.574	17.5	0.00	5.58	

COMMENTS: | SAMPLE COLLECTION TIME: 10:07

PREPARED BY: WDG DV

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

PTD = 30.25 ft. BTOC

Length of tubing cut (ft.)	30.5
Initial tubing depth (ft.) BTOC	27.5
Final tubing depth (ft.) BTOC	27.5
Initial pump speed	3.01
Time pump speed was initialized	9:47
Pump speed at flow into cylinder	3.01
Started new roll of tubing at	

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket								
Actual Volume (ml)								

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-50S

DATE: 4/29/15 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460002

WEATHER CONDITIONS: cloudy ~ 68°F

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 10 FT. TO 20 FT.

HEIGHT OF STICK-UP: ~0 FT. | BTOC WELL SCREEN INTERVAL: 10 FT. TO 20 FT.

TOTAL WELL DEPTH (BTOC): Reported NA FT. Measured NA FT. | INITIAL WATER LEVEL (BTOC): 4.46 FT. | TIME: 10:30

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [X] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

PID/FID READINGS (ppm): BACKGROUND: NM BENEATH OUTER CAP: NM BENEATH INNER CAP: NM

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8260 B

LABORATORY PERFORMING ANALYSIS: | FLOW THROUGH CELL MODEL: Horiba U-52 | SERIAL # UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (ft.)	REMARKS (COLOR, ODOR, ETC.)
10:40	0	18.30	5.31	85	0.735	45.6	3.19	4.60	
10:45	800	18.96	5.05	91	0.744	44.2	1.20	4.60	
10:50	1440	19.04	5.02	90	0.750	20.2	0.00	4.60	
10:55	2000	18.98	5.01	87	0.763	22.4	0.00	4.60	

COMMENTS:

SAMPLE COLLECTION TIME: 10:57

PREPARED BY: GVDG

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	20
Initial tubing depth (ft.) BTOC	15
Final tubing depth (ft.) BTOC	15
Initial pump speed	low
Time pump speed was initialized	10:34
Pump speed at flow into cylinder	low
Started new roll of tubing at	—

DTB = 20.24 ft. BTOC

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket								
Actual Volume (ml)								

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-51D

DATE: 4/29/15 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460002

WEATHER CONDITIONS: cloudy ~65°F

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 25 FT. TO 30 FT.

HEIGHT OF STICK-UP: ~0 FT. | BTOC WELL SCREEN INTERVAL: 25 FT. TO 30 FT.

TOTAL WELL DEPTH (BTOC): Reported NA FT. Measured NA FT. | INITIAL WATER LEVEL (BTOC): 3.77 FT. | TIME:

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [X] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

PID/FID READINGS (ppm): BACKGROUND: NM BENEATH OUTER CAP: NM BENEATH INNER CAP: NM

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8260 B

LABORATORY PERFORMING ANALYSIS: | FLOW THROUGH CELL MODEL: Horiba U-52 | SERIAL # UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (ft.)	REMARKS (COLOR, ODOR, ETC.)
10:44	0	17.48	6.87	-52	0.442	0.0	2.66	4.03	
10:49	560	18.26	6.95	-58	0.441	0.0	1.52	4.10	
10:54	1100	18.27	6.89	-57	0.449	0.0	1.27	4.11	
10:59	1660	18.49	6.89	-59	0.450	0.0	1.01	4.13	

COMMENTS:

SAMPLE COLLECTION TIME: 11:01

PREPARED BY: WDG DV

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

DTB = 30.26 ft. BTOC

Length of tubing cut (ft.)	30.5
Initial tubing depth (ft.) BTOC	27.5
Final tubing depth (ft.) BTOC	27.5
Initial pump speed	3.09
Time pump speed was initialized	10:39
Pump speed at flow into cylinder	3.09
Started new roll of tubing at	

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket								
Actual Volume (ml)								

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-52D

DATE: 4/23/15 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460002

WEATHER CONDITIONS: 65°F Overcast 1 Mph wind

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 25 FT. TO 30 FT.

HEIGHT OF STICK-UP: ~0 FT. | BTOC WELL SCREEN INTERVAL: 25 FT. TO 30 FT.

TOTAL WELL DEPTH (BTOC): Reported NA FT. Measured NA FT. | INITIAL WATER LEVEL (BTOC): 2.69 FT. | TIME: 17:23

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [X] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

PID/FID READINGS (ppm): BACKGROUND: NM BENEATH OUTER CAP: NM BENEATH INNER CAP: NM

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8260 B

LABORATORY PERFORMING ANALYSIS: | FLOW THROUGH CELL MODEL: Horiba U-52 | SERIAL # UDRU5DA9

	TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (ft.)	REMARKS (COLOR, ODOR, ETC.)
17:28	~~17:29~~	0	21.14	7.86	-76	0.254	48.4	1.82	2.78	
17:33	~~17:33~~	640	20.58	8.71	-132	0.273	34.9	0.04	2.94	
17:38	~~17:38~~	1420	20.23	8.82	-134	0.282	25.2	0.00	2.88	
	17:43	2140	20.08	8.80	-137	0.288	20.8	0.00	2.92	
	17:48	2820	19.97	8.70	-133	0.299	18.4	0.00	2.95	
	17:53	3620	19.86	8.61	-128	0.302	16.3	0.00	2.95	
	17:59	4320	19.78	8.52	-120	0.314	14.6	0.00	2.93	
	18:05	5140	19.66	8.37	-113	0.327	13.4	0.00	2.94	
	18:10	6080	19.56	8.24	-109	0.330	12.5	0.00	2.95	
	18:15	7500	19.40	8.12	-108	0.334	11.7	0.00	2.95	
	18:20	8080	19.30	8.04	-107	0.337	11.5	0.00	2.95	
	18:25	8780	19.14	7.98	-107	0.341	10.7	0.00	2.95	
	18:30	9840	19.01	7.79	-103	0.349	10.4	0.00	2.95	

COMMENTS:

SAMPLE COLLECTION TIME: 18:32

PREPARED BY: WDG DV

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	30.5
Initial tubing depth (ft.) BTOC	27.5
Final tubing depth (ft.) BTOC	27.5
Initial pump speed	low
Time pump speed was initialized	17:25
Pump speed at flow into cylinder	low
Started new roll of tubing at	—

DTB = 30.07 ft BTOC

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket	17:41	17:55						
Actual Volume (ml)	2000	4000	7500					

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-53D

DATE: 4/29/15 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460002

WEATHER CONDITIONS: ~~Clear~~ overcast windy 50°F

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 25 FT. TO 30 FT.

HEIGHT OF STICK-UP: ~0 FT. | BTOC WELL SCREEN INTERVAL: 25 FT. TO 30 FT.

TOTAL WELL DEPTH (BTOC): Reported NA FT. Measured NA FT. | INITIAL WATER LEVEL (BTOC): 1.32 FT. | TIME: 11:08

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [X] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

PID/FID READINGS (ppm): BACKGROUND: NM BENEATH OUTER CAP: NM BENEATH INNER CAP: NM

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8260 B

LABORATORY PERFORMING ANALYSIS: TA | FLOW THROUGH CELL MODEL: Horiba U-52 | SERIAL # UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH 6.16	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (ft.)	REMARKS (COLOR, ODOR, ETC.)
11:18	0	18.07	~~6.59~~	-27	0.322	9.5	2.40	1.66	
11:23	500	18.24	6.98	-71	0.319	5.0	1.11	1.71	
11:28	1000	18.31	7.32	-91	0.320	3.4	0.00	1.75	
11:33	1500	18.36	7.44	-98	0.322	2.0	0.00	1.70	
11:38	2000	18.39	7.53	-106	0.325	2.1	0.00	1.78	
11:43	3500	18.48	7.58	-114	0.325	1.9	0.00	1.82	
11:50	4500	18.57	7.62	-117	0.326	1.5	0.00	1.85	

COMMENTS:

SAMPLE COLLECTION TIME: 11:52

PREPARED BY: Shelly

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	30.5
Initial tubing depth (ft.) BTOC	27.5
Final tubing depth (ft.) BTOC	27.5
Initial pump speed	100
Time pump speed was initialized	11:15
Pump speed at flow into cylinder	100
Started new roll of tubing at	

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket	11:35							
Actual Volume (ml)	2000							

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-54D

DATE: 4/29/15 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460002

WEATHER CONDITIONS: Raining

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 25 FT. TO 30 FT.

HEIGHT OF STICK-UP: ~0 FT. | BTOC WELL SCREEN INTERVAL: 25 FT. TO 30 FT.

TOTAL WELL DEPTH (BTOC): Reported NA FT. Measured NA FT. | INITIAL WATER LEVEL (BTOC): 3.82 FT. | TIME: 8:34

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [X] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

PID/FID READINGS (ppm): BACKGROUND: NA BENEATH OUTER CAP: NA BENEATH INNER CAP: NA

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8260 B

LABORATORY PERFORMING ANALYSIS: | FLOW THROUGH CELL MODEL: Horiba U-52 | SERIAL # UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (ft.)	REMARKS (COLOR, ODOR, ETC.)
8:47	0	19.22	7.19	82	0.298	50.5	1.91	4.32	
8:52	600	18.77	7.41	20	0.298	44.4	0.36	4.41	
8:57	1120	18.53	7.49	-5	0.296	43.8	0.00	4.50	
9:02	1350	18.40	7.52	-19	0.296	36.0	0.00	4.35	
9:07	2000	18.20	7.55	-35	0.296	35.3	0.00		

COMMENTS:

SAMPLE COLLECTION TIME: 9:10

PREPARED BY: WDG DV

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	30.5
Initial tubing depth (ft.) BTOC	27.5
Final tubing depth (ft.) BTOC	27.5
Initial pump speed	3.09
Time pump speed was initialized	8:42
Pump speed at flow into cylinder	3.09
Started new roll of tubing at	

DTB = 30.48 ft BTOC

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket								
Actual Volume (ml)								

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-55D

DATE: 4/29/15 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460002

WEATHER CONDITIONS: Raining

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 25 FT. TO 30 FT.

HEIGHT OF STICK-UP: ~0 FT. | BTOC WELL SCREEN INTERVAL: 25 FT. TO 30 FT.

TOTAL WELL DEPTH (BTOC): Reported NA FT. Measured NA FT. | INITIAL WATER LEVEL (BTOC): ~~5.09~~ FT. | TIME: 9:23 4.81 pt.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [X] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

PID/FID READINGS (ppm): BACKGROUND: NM BENEATH OUTER CAP: NM BENEATH INNER CAP: NM

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8260 B

LABORATORY PERFORMING ANALYSIS: | FLOW THROUGH CELL MODEL: Horiba U-52 | SERIAL # UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (ft.)	REMARKS (COLOR, ODOR, ETC.)
9:42	0	16.70	6.86	105	0.517	0.0	3.80	5.02	
9:47	580	17.45	6.34	49	0.574	0.0	1.77	5.02	
9:52	1040	17.65	6.27	19	0.659	0.0	1.37	5.02	
9:57	1660	17.79	6.28	-9	0.649	0.0	1.30	5.02	
10:03	2440	18.06	6.36	-31	0.611	0.0	0.97	5.02	
10:08	2840	18.04	6.46	-45	0.592	0.0	0.89	5.02	
10:13	3300	18.63	6.42	-49	0.589	0.0	0.92	5.02	

COMMENTS: | SAMPLE COLLECTION TIME: 10:15

PREPARED BY: WDG

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	30-5
Initial tubing depth (ft.) BTOC	27-5
Final tubing depth (ft.) BTOC	27-5
Initial pump speed	3.10
Time pump speed was initialized	9:38
Pump speed at flow into cylinder	3.10
Started new roll of tubing at	—

well was under pressure when removed cap, water level dropped after removing cap. waited until water level stabilized to take initial reading. PTB = 30.48

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket	10:00							
Actual Volume (ml)	2000							

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-56D

DATE: 4/29/15 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460002

WEATHER CONDITIONS: Raining

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 25 FT. TO 30 FT.

HEIGHT OF STICK-UP: ~0 FT. | BTOC WELL SCREEN INTERVAL: 25 FT. TO 30 FT.

TOTAL WELL DEPTH (BTOC): Reported NA FT. Measured NA FT. | INITIAL WATER LEVEL (BTOC): 3.31 FT. | TIME: 8:32

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [X] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

PID/FID READINGS (ppm): BACKGROUND: NM BENEATH OUTER CAP: NM BENEATH INNER CAP: NM

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8260 B

LABORATORY PERFORMING ANALYSIS: | FLOW THROUGH CELL MODEL: Horiba U-52 | SERIAL # UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (ft.)	REMARKS (COLOR, ODOR, ETC.)
8:46	0	19.41	7.27	105	0.388	26	4.12	3.41	
8:51	480	18.99	7.40	93	0.391	14.4	2.11	3.41	
8:56	960	18.65	7.38	88	0.393	22.1	1.57	4.00	
9:01	1440	18.34	7.42	81	0.396	17.5	1.34	4.03	

COMMENTS: | SAMPLE COLLECTION TIME: 9:03

PREPARED BY: WDG DV

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	30.5
Initial tubing depth (ft.) BTOC	27.5
Final tubing depth (ft.) BTOC	27.5
Initial pump speed	3.05
Time pump speed was initialized	8:41
Pump speed at flow into cylinder	3.05
Started new roll of tubing at	—

DTB-30.19 ft. BTOC

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket								
Actual Volume (ml)								

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-U2

DATE: 4/28/15 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460002

WEATHER CONDITIONS: Cloudy 65°F

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [ ] 2 [ ] 4 [ ] 6 [X] OTHER: 3/4" | BGS WELL SCREEN INTERVAL: 1.95 FT. TO 6.95 FT.

HEIGHT OF STICK-UP: 1.00 FT. | BTOC WELL SCREEN INTERVAL: 2.95 FT. TO 7.95 FT.

TOTAL WELL DEPTH (BTOC): Reported NA FT Measured 7.95 FT. | INITIAL WATER LEVEL (BTOC): 2.18 FT. | TIME: 17:05

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [X] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

PID/FID READINGS (ppm): BACKGROUND: NA BENEATH OUTER CAP: NA BENEATH INNER CAP: NA

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8260 B

LABORATORY PERFORMING ANALYSIS: | FLOW THROUGH CELL MODEL: Horiba U-52 | SERIAL # UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (ft.)	REMARKS (COLOR, ODOR, ETC.)
17:27	0	18.73	5.64	66	1.06	43.1	3.76	3.13	
17:32	220	18.54	5.64	57	1.06	61.6	1.07	3.41	
17:37	620	18.27	5.56	58	1.06	71.2	0.96	3.65	

COMMENTS:

SAMPLE COLLECTION TIME: 17:39

PREPARED BY: WDG DV

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	20
Initial tubing depth (ft.) BTOC	~~3.7~~ 6.0
Final tubing depth (ft.) BTOC	~~3.7~~ 6.0
Initial pump speed	1.60
Time pump speed was initialized	17:11
Pump speed at flow into cylinder	1.60
Started new roll of tubing at	

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket								
Actual Volume (ml)								

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

PAGE 1 OF 1

WELL/SAMPLE NO: PAW-3

DATE: 4/28/15 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460002

WEATHER CONDITIONS: 65°F light wind partly cloudy

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 4.52 FT. TO 9.52 FT.

HEIGHT OF STICK-UP: 1.68 FT. | BTOC WELL SCREEN INTERVAL: 6.20 FT. TO 11.20 FT.

TOTAL WELL DEPTH (BTOC): Reported NA FT Measured 11.2 FT. | INITIAL WATER LEVEL (BTOC): 3.84 FT. | TIME: 11:30

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [X] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

PID/FID READINGS (ppm): BACKGROUND: NM BENEATH OUTER CAP: NM BENEATH INNER CAP: NM

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8260 B

LABORATORY PERFORMING ANALYSIS: TA | FLOW THROUGH CELL MODEL: Horiba U-52 | SERIAL # UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (ft.)	REMARKS (COLOR, ODOR, ETC.)
11:39	0	18.04	7.43	29	0.283	11.1	3.02	4.31	
11:44	950	17.84	6.54	19	0.308	9.1	0.00	4.55	
11:49	1460	17.85	6.42	10	0.332	8.4	0.00	4.56	
11:54	2220	17.89	6.36	0	0.378	7.0	0.00	4.62	
11:59	2940	17.93	6.34	-6	0.389	6.5	0.00	4.67	
12:04	3680	17.89	6.33	-11	0.404	7.1	0.00	4.68	
12:09	4220	18.04	6.33	-16	0.413	6.3	0.00	4.60	
12:14	4880	18.13	6.32	-20	0.431	5.6	0.00	4.58	
12:19	5420	18.17	6.31	-22	0.438	6.0	0.00	4.65	
12:24	6180	18.02	6.34	-25	0.440	5.6	0.00	4.75	

COMMENTS:

SAMPLE COLLECTION TIME: 12:26

PREPARED BY: WDG DV

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	30
Initial tubing depth (ft.) BTOC	8.7
Final tubing depth (ft.) BTOC	8.7
Initial pump speed	low
Time pump speed was initialized	11:32
Pump speed at flow into cylinder	low
Started new roll of tubing at	

lowered pump speed after 2nd reading to limit drawdown

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket	11:53	12:07	12:23					
Actual Volume (ml)	2000	4000	6000					

Additional remarks: Well screen interval unknown.

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: PAW-4

DATE: 4/28/15 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460002

WEATHER CONDITIONS: 68°F Partly Cloudy light wind

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 14.66 FT. TO 24.66 FT.

HEIGHT OF STICK-UP: 1.69 FT. | BTOC WELL SCREEN INTERVAL: 16.35 FT. TO 26.35 FT.

TOTAL WELL DEPTH (BTOC): Reported NA FT Measured 26.35 FT. | INITIAL WATER LEVEL (BTOC): 4.50 FT. | TIME: ~~7:70~~ 14:10

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [X] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

PID/FID READINGS (ppm): BACKGROUND: NM BENEATH OUTER CAP: MM BENEATH INNER CAP: NM

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8260 B

LABORATORY PERFORMING ANALYSIS: TA | FLOW THROUGH CELL MODEL: Horiba U-52 | SERIAL # UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (ft.)	REMARKS (COLOR, ODOR, ETC.)
14:17	0	20.04	5.08	98	0.314	185	2.55	~~4.5~~ 5.02	low pump speed
14:22	640	20.26	5.46	103	0.315	170	0.22	5.06	
14:27	1320	19.56	5.44	97	0.321	172	0.00	5.11	
14:33	2200	19.34	5.41	92	0.328	150	0.00	5.11	

COMMENTS: | SAMPLE COLLECTION TIME: 14:35

PREPARED BY: WDG DV

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	24.4
Initial tubing depth (ft.) BTOC	21.4
Final tubing depth (ft.) BTOC	21.4
Initial pump speed	low
Time pump speed was initialized	14:15
Pump speed at flow into cylinder	low
Started new roll of tubing at	

low pump

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket								
Actual Volume (ml)								

Additional remarks: Well screen interval unknown.

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

PAGE 1 OF ____

WELL/SAMPLE NO: RW-1

DATE: 11-27-15 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460002

WEATHER CONDITIONS: 72°F light wind partly cloudy

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [ ] 2 [X] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 20.02 FT. TO 30.02 FT.

HEIGHT OF STICK-UP: 0.48 FT. | BTOC WELL SCREEN INTERVAL: 20.50 FT. TO 30.50 FT.

TOTAL WELL DEPTH (BTOC): Reported 30.50 FT Measured 28.25 FT. | INITIAL WATER LEVEL (BTOC): 3.11 FT. | TIME: 14:36

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [X] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

PID/FID READINGS (ppm): BACKGROUND: NM BENEATH OUTER CAP: NM BENEATH INNER CAP: NM

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8260 B

LABORATORY PERFORMING ANALYSIS: TA | FLOW THROUGH CELL MODEL: Horiba U-52 | SERIAL # UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (ft.)	REMARKS (COLOR, ODOR, ETC.)
14:43	0	23.55	6.19	-3	0.453	79.7	1.03	3.22	
14:48	1160	20.25	6.33	-34	0.440	67.5	0.00	3.36	
14:53	1920	20.08	6.35	-38	0.440	64.5	0.00	3.41	
14:58	2640	19.86	6.35	-41	0.444	59.5	0.00	3.45	

COMMENTS: | SAMPLE COLLECTION TIME: 15:00

PREPARED BY: SHelely DV

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	26.3
Initial tubing depth (ft.) BTOC	23.3
Final tubing depth (ft.) BTOC	23.3
Initial pump speed	low
Time pump speed was initialized	14:40
Pump speed at flow into cylinder	low
Started new roll of tubing at	

Reduced pump speed after second reading

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket	14:54							
Actual Volume (ml)	2000							

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: RW-4

DATE: 4/27/15 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460002

WEATHER CONDITIONS: Sunny ~78°F

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [ ] 2 [ ] 4 [X] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 20 FT. TO 30 FT.

HEIGHT OF STICK-UP: 2.05 FT. | BTOC WELL SCREEN INTERVAL: 22.80 FT. TO 32.80 FT.

TOTAL WELL DEPTH (BTOC): Reported 30.00 FT Measured 22.69 FT. | INITIAL WATER LEVEL (BTOC): 5.15 FT. | TIME: 15:10

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [X] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

PID/FID READINGS (ppm): BACKGROUND: NM BENEATH OUTER CAP: NM BENEATH INNER CAP: NM

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8260 B

LABORATORY PERFORMING ANALYSIS: TA | FLOW THROUGH CELL MODEL: Horiba U-52 | SERIAL # UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (ft.)	REMARKS (COLOR, ODOR, ETC.)
15:24	0	23.20	6.57	-25	0.660	350	2.10	5.31	
15:29	680	22.54	6.69	-63	0.669	322	0.00	5.35	
15:34	1400	22.24	6.72	-64	~~0.660~~ 0.674	301	0.00	5.39	
15:39	2100	20.52	6.71	-73	0.707	265	0.00	5.43	
15:44	2800	19.98	6.71	-77	0.722	156	0.00	5.46	
15:49	3500	19.95	6.71	-78	0.725	111	0.00	5.47	

COMMENTS:

SAMPLE COLLECTION TIME: 15:51

PREPARED BY: WDG

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	24.0
Initial tubing depth (ft.) BTOC	21.0
Final tubing depth (ft.) BTOC	21.0
Initial pump speed	low
Time pump speed was initialized	15:20
Pump speed at flow into cylinder	low
Started new roll of tubing at	

diverted large amount of red particulate from flow, resume pump at 15:22

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket								
Actual Volume (ml)								

Additional remarks:

HSI SITE 10406, FORMER MCKENZIE TANK LINES SITE

THIRD SEMI-ANNUAL PROGRESS REPORT

ATTACHMENT D LABORATORY ANALYTICAL RESULS FOR GROUNDWATER SAMPLES, APRIL 2015

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

TestAmerica Job ID: 680-112021-1
Client Project/Site: McKenzie Tank Lines/460002

For:
Environmental International Corporation
161 Kimball Bridge Road
Suite 100
Alpharetta, Georgia 30009

Attn: Will Grant

Authorized for release by:
5/5/2015 4:43:20 PM

Sheila Hoffman, Project Manager II
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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.

Sample Summary

Client: Environmental International Corporation
Project/Site: McKenzie Tank Lines/460002

TestAmerica Job ID: 680-112021-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-112021-1	G-17	Water	04/28/15 09:05	04/29/15 13:53
680-112021-2	G-19	Water	04/28/15 15:48	04/29/15 13:53
680-112021-3	G-22	Water	04/28/15 10:51	04/29/15 13:53
680-112021-4	MW-2S	Water	04/27/15 12:24	04/29/15 13:53
680-112021-5	MW-2D	Water	04/27/15 12:53	04/29/15 13:53
680-112021-6	MW-4S	Water	04/27/15 17:36	04/29/15 13:53
680-112021-7	MW-11D	Water	04/27/15 10:31	04/29/15 13:53
680-112021-8	MW-14D	Water	04/28/15 16:58	04/29/15 13:53
680-112021-9	MW-15S	Water	04/28/15 09:41	04/29/15 13:53
680-112021-10	MW-26	Water	04/27/15 19:15	04/29/15 13:53
680-112021-11	MW-29	Water	04/27/15 17:51	04/29/15 13:53
680-112021-12	MW-31	Water	04/28/15 18:22	04/29/15 13:53
680-112021-13	MW-32	Water	04/28/15 16:47	04/29/15 13:53
680-112021-14	MW-33	Water	04/28/15 09:51	04/29/15 13:53
680-112021-15	MW-35	Water	04/28/15 10:43	04/29/15 13:53
680-112021-16	MW-36	Water	04/27/15 18:45	04/29/15 13:53
680-112021-17	MW-37S	Water	04/28/15 15:12	04/29/15 13:53
680-112021-18	MW-38D	Water	04/28/15 15:51	04/29/15 13:53
680-112021-19	MW-39D	Water	04/28/15 12:26	04/29/15 13:53
680-112021-20	MW-40S	Water	04/27/15 18:17	04/29/15 13:53
680-112021-21	MW-41D	Water	04/27/15 16:42	04/29/15 13:53
680-112021-22	MW-42S	Water	04/27/15 16:43	04/29/15 13:53
680-112021-23	MW-43D	Water	04/27/15 16:56	04/29/15 13:53
680-112021-24	MW-44D	Water	04/27/15 12:34	04/29/15 13:53
680-112021-25	MW-45S	Water	04/27/15 13:06	04/29/15 13:53
680-112021-26	MW-46S	Water	04/27/15 10:15	04/29/15 13:53
680-112021-27	MW-47D	Water	04/27/15 11:36	04/29/15 13:53
680-112021-28	MW-48S	Water	04/27/15 10:55	04/29/15 13:53
680-112021-29	MW-49D	Water	04/29/15 10:07	04/29/15 13:53
680-112021-30	MW-50S	Water	04/29/15 10:57	04/29/15 13:53
680-112021-31	MW-51D	Water	04/29/15 11:01	04/29/15 13:53
680-112021-32	MW-52D	Water	04/28/15 18:32	04/29/15 13:53
680-112021-33	MW-53D	Water	04/29/15 11:52	04/29/15 13:53
680-112021-34	MW-54D	Water	04/29/15 09:10	04/29/15 13:53
680-112021-35	MW-55D	Water	04/29/15 10:15	04/29/15 13:53
680-112021-36	MW-56D	Water	04/29/15 09:03	04/29/15 13:53
680-112021-37	MW-U2	Water	04/28/15 17:39	04/29/15 13:53
680-112021-38	PAW-3	Water	04/28/15 12:26	04/29/15 13:53
680-112021-39	PAW-4	Water	04/28/15 14:35	04/29/15 13:53
680-112021-40	RW-1	Water	04/27/15 15:00	04/29/15 13:53
680-112021-41	RW-4	Water	04/27/15 15:51	04/29/15 13:53
680-112021-42	TRIP BLANK	Water	04/27/15 00:00	04/29/15 13:53

Method Summary

Client: Environmental International Corporation
Project/Site: McKenzie Tank Lines/460002

TestAmerica Job ID: 680-112021-1

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

Protocol References:

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

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Definitions/Glossary

Client: Environmental International Corporation
Project/Site: McKenzie Tank Lines/460002

TestAmerica Job ID: 680-112021-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
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
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
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: 680-112021-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: Environmental International Corporation

Project: McKenzie Tank Lines/460002

Report Number: 680-112021-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 04/29/2015; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 3.8 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples G-17 (680-112021-1), G-19 (680-112021-2), G-22 (680-112021-3), MW-2S (680-112021-4), MW-2D (680-112021-5), MW-4S (680-112021-6), MW-11D (680-112021-7), MW-14D (680-112021-8), MW-15S (680-112021-9), MW-26 (680-112021-10), MW-29 (680-112021-11), MW-31 (680-112021-12), MW-32 (680-112021-13), MW-33 (680-112021-14), MW-35 (680-112021-15), MW-36 (680-112021-16), MW-37S (680-112021-17), MW-38D (680-112021-18), MW-39D (680-112021-19), MW-40S (680-112021-20), MW-41D (680-112021-21), MW-42S (680-112021-22), MW-43D (680-112021-23), MW-44D (680-112021-24), MW-45S (680-112021-25), MW-46S (680-112021-26), MW-47D (680-112021-27), MW-48S (680-112021-28), MW-49D (680-112021-29), MW-50S (680-112021-30), MW-51D (680-112021-31), MW-52D (680-112021-32), MW-53D (680-112021-33), MW-54D (680-112021-34), MW-55D (680-112021-35), MW-56D (680-112021-36), MW-U2 (680-112021-37), PAW-3 (680-112021-38), PAW-4 (680-112021-39), RW-1 (680-112021-40), RW-4 (680-112021-41) and TRIP BLANK (680-112021-42) were analyzed for Volatile Organic Compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 05/02/2015, 05/03/2015 and 05/04/2015.

Samples MW-2D (680-112021-5)[50X], MW-4S (680-112021-6)[20X], MW-33 (680-112021-14)[5X], MW-40S (680-112021-20)[50X], MW-49D (680-112021-29)[5X], MW-50S (680-112021-30)[10X], MW-51D (680-112021-31)[5X] and MW-55D (680-112021-35)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Environmental International Corporation
Project/Site: McKenzie Tank Lines/460002

TestAmerica Job ID: 680-112021-1

Client Sample ID: G-17 — Lab Sample ID: 680-112021-1

No Detections.

Client Sample ID: G-19 — Lab Sample ID: 680-112021-2

No Detections.

Client Sample ID: G-22 — Lab Sample ID: 680-112021-3

No Detections.

Client Sample ID: MW-2S — Lab Sample ID: 680-112021-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	1.0		1.0	0.48	ug/L	1		8260B	Total/NA
Tetrachloroethene	1.9		1.0	0.74	ug/L	1		8260B	Total/NA

Client Sample ID: MW-2D — Lab Sample ID: 680-112021-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	270		50	25	ug/L	50		8260B	Total/NA
1,1-Dichloroethene	78		50	18	ug/L	50		8260B	Total/NA
trans-1,2-Dichloroethene	37	J	50	19	ug/L	50		8260B	Total/NA
1,1-Dichloroethane	49	J	50	19	ug/L	50		8260B	Total/NA
cis-1,2-Dichloroethene	4600		50	21	ug/L	50		8260B	Total/NA
1,1,1-Trichloroethane	120		50	19	ug/L	50		8260B	Total/NA
Trichloroethene	1200		50	24	ug/L	50		8260B	Total/NA
Tetrachloroethene	370		50	37	ug/L	50		8260B	Total/NA

Client Sample ID: MW-4S — Lab Sample ID: 680-112021-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	53		20	10	ug/L	20		8260B	Total/NA
trans-1,2-Dichloroethene	8.1	J	20	7.4	ug/L	20		8260B	Total/NA
cis-1,2-Dichloroethene	1400		20	8.2	ug/L	20		8260B	Total/NA

Client Sample ID: MW-11D — Lab Sample ID: 680-112021-7

No Detections.

Client Sample ID: MW-14D — Lab Sample ID: 680-112021-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	5.2		1.0	0.41	ug/L	1		8260B	Total/NA
Trichloroethene	2.0		1.0	0.48	ug/L	1		8260B	Total/NA
Tetrachloroethene	2.7		1.0	0.74	ug/L	1		8260B	Total/NA

Client Sample ID: MW-15S — Lab Sample ID: 680-112021-9

No Detections.

Client Sample ID: MW-26 — Lab Sample ID: 680-112021-10

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Environmental International Corporation
Project/Site: McKenzie Tank Lines/460002

TestAmerica Job ID: 680-112021-1

Client Sample ID: MW-29 — Lab Sample ID: 680-112021-11

No Detections.

Client Sample ID: MW-31 — Lab Sample ID: 680-112021-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	18		1.0	0.41	ug/L	1		8260B	Total/NA
Trichloroethene	7.4		1.0	0.48	ug/L	1		8260B	Total/NA
Tetrachloroethene	2.8		1.0	0.74	ug/L	1		8260B	Total/NA

Client Sample ID: MW-32 — Lab Sample ID: 680-112021-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	0.79	J	1.0	0.50	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	0.56	J	1.0	0.36	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	1.7		1.0	0.37	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	0.52	J	1.0	0.38	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	140		1.0	0.41	ug/L	1		8260B	Total/NA
Trichloroethene	30		1.0	0.48	ug/L	1		8260B	Total/NA
Tetrachloroethene	51		1.0	0.74	ug/L	1		8260B	Total/NA

Client Sample ID: MW-33 — Lab Sample ID: 680-112021-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	51		5.0	2.5	ug/L	5		8260B	Total/NA
cis-1,2-Dichloroethene	270		5.0	2.1	ug/L	5		8260B	Total/NA

Client Sample ID: MW-35 — Lab Sample ID: 680-112021-15

No Detections.

Client Sample ID: MW-36 — Lab Sample ID: 680-112021-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.0		1.0	0.41	ug/L	1		8260B	Total/NA

Client Sample ID: MW-37S — Lab Sample ID: 680-112021-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	5.5		1.0	0.41	ug/L	1		8260B	Total/NA
Trichloroethene	0.49	J	1.0	0.48	ug/L	1		8260B	Total/NA

Client Sample ID: MW-38D — Lab Sample ID: 680-112021-18

No Detections.

Client Sample ID: MW-39D — Lab Sample ID: 680-112021-19

No Detections.

Client Sample ID: MW-40S — Lab Sample ID: 680-112021-20

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-40S (Continued) — Lab Sample ID: 680-112021-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	22	J	50	19	ug/L	50		8260B	Total/NA
cis-1,2-Dichloroethene	5300		50	21	ug/L	50		8260B	Total/NA
Trichloroethene	370		50	24	ug/L	50		8260B	Total/NA

Client Sample ID: MW-41D — Lab Sample ID: 680-112021-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	2.1		2.0	1.0	ug/L	1		8260B	Total/NA

Client Sample ID: MW-42S — Lab Sample ID: 680-112021-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	14		10	7.0	ug/L	1		8260B	Total/NA

Client Sample ID: MW-43D — Lab Sample ID: 680-112021-23

No Detections.

Client Sample ID: MW-44D — Lab Sample ID: 680-112021-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	0.52	J	1.0	0.50	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	0.78	J	1.0	0.37	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	18		1.0	0.41	ug/L	1		8260B	Total/NA
Trichloroethene	11		1.0	0.48	ug/L	1		8260B	Total/NA

Client Sample ID: MW-45S — Lab Sample ID: 680-112021-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	3.8		1.0	0.41	ug/L	1		8260B	Total/NA

Client Sample ID: MW-46S — Lab Sample ID: 680-112021-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	28		1.0	0.50	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	12		1.0	0.41	ug/L	1		8260B	Total/NA
Cyclohexane	0.66	J	1.0	0.39	ug/L	1		8260B	Total/NA
Benzene	0.62	J	1.0	0.43	ug/L	1		8260B	Total/NA
Trichloroethene	0.59	J	1.0	0.48	ug/L	1		8260B	Total/NA

Client Sample ID: MW-47D — Lab Sample ID: 680-112021-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
trans-1,2-Dichloroethene	1.6		1.0	0.37	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	39		1.0	0.41	ug/L	1		8260B	Total/NA
Trichloroethene	29		1.0	0.48	ug/L	1		8260B	Total/NA
Tetrachloroethene	36		1.0	0.74	ug/L	1		8260B	Total/NA

Client Sample ID: MW-48S — Lab Sample ID: 680-112021-28

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Environmental International Corporation
Project/Site: McKenzie Tank Lines/460002

TestAmerica Job ID: 680-112021-1

Client Sample ID: MW-49D — Lab Sample ID: 680-112021-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	21		5.0	2.5	ug/L	5		8260B	Total/NA
1,1-Dichloroethene	2.1	J	5.0	1.8	ug/L	5		8260B	Total/NA
cis-1,2-Dichloroethene	450		5.0	2.1	ug/L	5		8260B	Total/NA
Trichloroethene	2.4	J	5.0	2.4	ug/L	5		8260B	Total/NA

Client Sample ID: MW-50S — Lab Sample ID: 680-112021-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	67		10	5.0	ug/L	10		8260B	Total/NA
trans-1,2-Dichloroethene	38		10	3.7	ug/L	10		8260B	Total/NA
cis-1,2-Dichloroethene	1200		10	4.1	ug/L	10		8260B	Total/NA
Trichloroethene	120		10	4.8	ug/L	10		8260B	Total/NA
Tetrachloroethene	25		10	7.4	ug/L	10		8260B	Total/NA

Client Sample ID: MW-51D — Lab Sample ID: 680-112021-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	120		5.0	2.5	ug/L	5		8260B	Total/NA
1,1-Dichloroethene	2.2	J	5.0	1.8	ug/L	5		8260B	Total/NA
cis-1,2-Dichloroethene	400		5.0	2.1	ug/L	5		8260B	Total/NA

Client Sample ID: MW-52D — Lab Sample ID: 680-112021-32

No Detections.

Client Sample ID: MW-53D — Lab Sample ID: 680-112021-33

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2.9		1.0	0.41	ug/L	1		8260B	Total/NA

Client Sample ID: MW-54D — Lab Sample ID: 680-112021-34

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	12		1.0	0.50	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	8.0		1.0	0.41	ug/L	1		8260B	Total/NA

Client Sample ID: MW-55D — Lab Sample ID: 680-112021-35

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	140		10	5.0	ug/L	10		8260B	Total/NA
trans-1,2-Dichloroethene	4.9	J	10	3.7	ug/L	10		8260B	Total/NA
cis-1,2-Dichloroethene	1600		10	4.1	ug/L	10		8260B	Total/NA

Client Sample ID: MW-56D — Lab Sample ID: 680-112021-36

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.7		1.0	0.41	ug/L	1		8260B	Total/NA
2-Butanone	6.4	J	10	3.4	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Environmental International Corporation
Project/Site: McKenzie Tank Lines/460002

TestAmerica Job ID: 680-112021-1

Client Sample ID: MW-U2 — Lab Sample ID: 680-112021-37

No Detections.

Client Sample ID: PAW-3 — Lab Sample ID: 680-112021-38

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	1.1		1.0	0.50	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.58	J	1.0	0.41	ug/L	1		8260B	Total/NA

Client Sample ID: PAW-4 — Lab Sample ID: 680-112021-39

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	3.1		1.0	0.50	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	1.7		1.0	0.37	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	38		1.0	0.41	ug/L	1		8260B	Total/NA
Trichloroethene	29		1.0	0.48	ug/L	1		8260B	Total/NA
Tetrachloroethene	150		1.0	0.74	ug/L	1		8260B	Total/NA

Client Sample ID: RW-1 — Lab Sample ID: 680-112021-40

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	1.1		1.0	0.50	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	8.8		1.0	0.41	ug/L	1		8260B	Total/NA
Trichloroethene	4.3		1.0	0.48	ug/L	1		8260B	Total/NA
Tetrachloroethene	6.0		1.0	0.74	ug/L	1		8260B	Total/NA

Client Sample ID: RW-4 — Lab Sample ID: 680-112021-41

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	0.83	J	1.0	0.50	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	1.8		1.0	0.41	ug/L	1		8260B	Total/NA
Trichloroethene	0.94	J	1.0	0.48	ug/L	1		8260B	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 680-112021-42

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Environmental International Corporation
Project/Site: McKenzie Tank Lines/460002

TestAmerica Job ID: 680-112021-1

Client Sample ID: G-17

Lab Sample ID: 680-112021-1

Date Collected: 04/28/15 09:05

Matrix: Water

Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.60		1.0	0.60	ug/L			05/02/15 11:43	1
Chloromethane	<0.40		1.0	0.40	ug/L			05/02/15 11:43	1
Vinyl chloride	<0.50		1.0	0.50	ug/L			05/02/15 11:43	1
Bromomethane	<2.5		5.0	2.5	ug/L			05/02/15 11:43	1
Chloroethane	<2.5		5.0	2.5	ug/L			05/02/15 11:43	1
Trichlorofluoromethane	<0.42		1.0	0.42	ug/L			05/02/15 11:43	1
1,1-Dichloroethene	<0.36		1.0	0.36	ug/L			05/02/15 11:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.36		1.0	0.36	ug/L			05/02/15 11:43	1
Acetone	<7.0		10	7.0	ug/L			05/02/15 11:43	1
Carbon disulfide	<1.0		2.0	1.0	ug/L			05/02/15 11:43	1
Methyl acetate	<1.8		5.0	1.8	ug/L			05/02/15 11:43	1
Methylene Chloride	<2.5		5.0	2.5	ug/L			05/02/15 11:43	1
trans-1,2-Dichloroethene	<0.37		1.0	0.37	ug/L			05/02/15 11:43	1
Methyl tert-butyl ether	<0.30		10	0.30	ug/L			05/02/15 11:43	1
1,1-Dichloroethane	<0.38		1.0	0.38	ug/L			05/02/15 11:43	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/02/15 11:43	1
2-Butanone	<3.4		10	3.4	ug/L			05/02/15 11:43	1
Chloroform	<0.50		1.0	0.50	ug/L			05/02/15 11:43	1
1,1,1-Trichloroethane	<0.37		1.0	0.37	ug/L			05/02/15 11:43	1
Cyclohexane	<0.39		1.0	0.39	ug/L			05/02/15 11:43	1
Carbon tetrachloride	<0.33		1.0	0.33	ug/L			05/02/15 11:43	1
Benzene	<0.43		1.0	0.43	ug/L			05/02/15 11:43	1
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			05/02/15 11:43	1
Trichloroethene	<0.48		1.0	0.48	ug/L			05/02/15 11:43	1
Methylcyclohexane	<0.43		1.0	0.43	ug/L			05/02/15 11:43	1
1,2-Dichloropropane	<0.67		1.0	0.67	ug/L			05/02/15 11:43	1
Bromodichloromethane	<0.44		1.0	0.44	ug/L			05/02/15 11:43	1
cis-1,3-Dichloropropene	<0.40		1.0	0.40	ug/L			05/02/15 11:43	1
4-Methyl-2-pentanone	<2.1		10	2.1	ug/L			05/02/15 11:43	1
Toluene	<0.48		1.0	0.48	ug/L			05/02/15 11:43	1
trans-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/02/15 11:43	1
1,1,2-Trichloroethane	<0.33		1.0	0.33	ug/L			05/02/15 11:43	1
Tetrachloroethene	<0.74		1.0	0.74	ug/L			05/02/15 11:43	1
2-Hexanone	<2.0		10	2.0	ug/L			05/02/15 11:43	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			05/02/15 11:43	1
1,2-Dibromoethane	<0.44		1.0	0.44	ug/L			05/02/15 11:43	1
Chlorobenzene	<0.26		1.0	0.26	ug/L			05/02/15 11:43	1
Ethylbenzene	<0.33		1.0	0.33	ug/L			05/02/15 11:43	1
Xylenes, Total	<0.23		1.0	0.23	ug/L			05/02/15 11:43	1
Styrene	<0.27		1.0	0.27	ug/L			05/02/15 11:43	1
Bromoform	<0.43		1.0	0.43	ug/L			05/02/15 11:43	1
Isopropylbenzene	<0.35		1.0	0.35	ug/L			05/02/15 11:43	1
1,1,2,2-Tetrachloroethane	<0.62		1.0	0.62	ug/L			05/02/15 11:43	1
1,3-Dichlorobenzene	<0.43		1.0	0.43	ug/L			05/02/15 11:43	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			05/02/15 11:43	1
1,2-Dichlorobenzene	<0.37		1.0	0.37	ug/L			05/02/15 11:43	1
1,2-Dibromo-3-Chloropropane	<1.1		5.0	1.1	ug/L			05/02/15 11:43	1
1,2,4-Trichlorobenzene	<2.5		5.0	2.5	ug/L			05/02/15 11:43	1

Client Sample Results

Client: Environmental International Corporation
Project/Site: McKenzie Tank Lines/460002

TestAmerica Job ID: 680-112021-1

Client Sample ID: G-17

Lab Sample ID: 680-112021-1

Date Collected: 04/28/15 09:05
Matrix: Water
Date Received: 04/29/15 13:53

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*108*		*70 - 130*		*05/02/15 11:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*		*05/02/15 11:43*	*1*
Dibromofluoromethane (Surr)	*99*		*70 - 130*		*05/02/15 11:43*	*1*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*		*05/02/15 11:43*	*1*

Client Sample ID: G-19

Lab Sample ID: 680-112021-2

Date Collected: 04/28/15 15:48
Matrix: Water
Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.60		1.0	0.60	ug/L			05/02/15 12:05	1
Chloromethane	<0.40		1.0	0.40	ug/L			05/02/15 12:05	1
Vinyl chloride	<0.50		1.0	0.50	ug/L			05/02/15 12:05	1
Bromomethane	<2.5		5.0	2.5	ug/L			05/02/15 12:05	1
Chloroethane	<2.5		5.0	2.5	ug/L			05/02/15 12:05	1
Trichlorofluoromethane	<0.42		1.0	0.42	ug/L			05/02/15 12:05	1
1,1-Dichloroethene	<0.36		1.0	0.36	ug/L			05/02/15 12:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.36		1.0	0.36	ug/L			05/02/15 12:05	1
Acetone	<7.0		10	7.0	ug/L			05/02/15 12:05	1
Carbon disulfide	<1.0		2.0	1.0	ug/L			05/02/15 12:05	1
Methyl acetate	<1.8		5.0	1.8	ug/L			05/02/15 12:05	1
Methylene Chloride	<2.5		5.0	2.5	ug/L			05/02/15 12:05	1
trans-1,2-Dichloroethene	<0.37		1.0	0.37	ug/L			05/02/15 12:05	1
Methyl tert-butyl ether	<0.30		10	0.30	ug/L			05/02/15 12:05	1
1,1-Dichloroethane	<0.38		1.0	0.38	ug/L			05/02/15 12:05	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/02/15 12:05	1
2-Butanone	<3.4		10	3.4	ug/L			05/02/15 12:05	1
Chloroform	<0.50		1.0	0.50	ug/L			05/02/15 12:05	1
1,1,1-Trichloroethane	<0.37		1.0	0.37	ug/L			05/02/15 12:05	1
Cyclohexane	<0.39		1.0	0.39	ug/L			05/02/15 12:05	1
Carbon tetrachloride	<0.33		1.0	0.33	ug/L			05/02/15 12:05	1
Benzene	<0.43		1.0	0.43	ug/L			05/02/15 12:05	1
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			05/02/15 12:05	1
Trichloroethene	<0.48		1.0	0.48	ug/L			05/02/15 12:05	1
Methylcyclohexane	<0.43		1.0	0.43	ug/L			05/02/15 12:05	1
1,2-Dichloropropane	<0.67		1.0	0.67	ug/L			05/02/15 12:05	1
Bromodichloromethane	<0.44		1.0	0.44	ug/L			05/02/15 12:05	1
cis-1,3-Dichloropropene	<0.40		1.0	0.40	ug/L			05/02/15 12:05	1
4-Methyl-2-pentanone	<2.1		10	2.1	ug/L			05/02/15 12:05	1
Toluene	<0.48		1.0	0.48	ug/L			05/02/15 12:05	1
trans-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/02/15 12:05	1
1,1,2-Trichloroethane	<0.33		1.0	0.33	ug/L			05/02/15 12:05	1
Tetrachloroethene	<0.74		1.0	0.74	ug/L			05/02/15 12:05	1
2-Hexanone	<2.0		10	2.0	ug/L			05/02/15 12:05	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			05/02/15 12:05	1
1,2-Dibromoethane	<0.44		1.0	0.44	ug/L			05/02/15 12:05	1
Chlorobenzene	<0.26		1.0	0.26	ug/L			05/02/15 12:05	1
Ethylbenzene	<0.33		1.0	0.33	ug/L			05/02/15 12:05	1
Xylenes, Total	<0.23		1.0	0.23	ug/L			05/02/15 12:05	1

Client Sample ID: G-19

Lab Sample ID: 680-112021-2

Date Collected: 04/28/15 15:48
Matrix: Water
Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	<0.27		1.0	0.27	ug/L			05/02/15 12:05	1
Bromoform	<0.43		1.0	0.43	ug/L			05/02/15 12:05	1
Isopropylbenzene	<0.35		1.0	0.35	ug/L			05/02/15 12:05	1
1,1,2,2-Tetrachloroethane	<0.62		1.0	0.62	ug/L			05/02/15 12:05	1
1,3-Dichlorobenzene	<0.43		1.0	0.43	ug/L			05/02/15 12:05	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			05/02/15 12:05	1
1,2-Dichlorobenzene	<0.37		1.0	0.37	ug/L			05/02/15 12:05	1
1,2-Dibromo-3-Chloropropane	<1.1		5.0	1.1	ug/L			05/02/15 12:05	1
1,2,4-Trichlorobenzene	<2.5		5.0	2.5	ug/L			05/02/15 12:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*70 - 130*		*05/02/15 12:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*		*05/02/15 12:05*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*05/02/15 12:05*	*1*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*		*05/02/15 12:05*	*1*

Client Sample ID: G-22

Lab Sample ID: 680-112021-3

Date Collected: 04/28/15 10:51
Matrix: Water
Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.60		1.0	0.60	ug/L			05/02/15 12:26	1
Chloromethane	<0.40		1.0	0.40	ug/L			05/02/15 12:26	1
Vinyl chloride	<0.50		1.0	0.50	ug/L			05/02/15 12:26	1
Bromomethane	<2.5		5.0	2.5	ug/L			05/02/15 12:26	1
Chloroethane	<2.5		5.0	2.5	ug/L			05/02/15 12:26	1
Trichlorofluoromethane	<0.42		1.0	0.42	ug/L			05/02/15 12:26	1
1,1-Dichloroethene	<0.36		1.0	0.36	ug/L			05/02/15 12:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.36		1.0	0.36	ug/L			05/02/15 12:26	1
Acetone	<7.0		10	7.0	ug/L			05/02/15 12:26	1
Carbon disulfide	<1.0		2.0	1.0	ug/L			05/02/15 12:26	1
Methyl acetate	<1.8		5.0	1.8	ug/L			05/02/15 12:26	1
Methylene Chloride	<2.5		5.0	2.5	ug/L			05/02/15 12:26	1
trans-1,2-Dichloroethene	<0.37		1.0	0.37	ug/L			05/02/15 12:26	1
Methyl tert-butyl ether	<0.30		10	0.30	ug/L			05/02/15 12:26	1
1,1-Dichloroethane	<0.38		1.0	0.38	ug/L			05/02/15 12:26	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/02/15 12:26	1
2-Butanone	<3.4		10	3.4	ug/L			05/02/15 12:26	1
Chloroform	<0.50		1.0	0.50	ug/L			05/02/15 12:26	1
1,1,1-Trichloroethane	<0.37		1.0	0.37	ug/L			05/02/15 12:26	1
Cyclohexane	<0.39		1.0	0.39	ug/L			05/02/15 12:26	1
Carbon tetrachloride	<0.33		1.0	0.33	ug/L			05/02/15 12:26	1
Benzene	<0.43		1.0	0.43	ug/L			05/02/15 12:26	1
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			05/02/15 12:26	1
Trichloroethene	<0.48		1.0	0.48	ug/L			05/02/15 12:26	1
Methylcyclohexane	<0.43		1.0	0.43	ug/L			05/02/15 12:26	1
1,2-Dichloropropane	<0.67		1.0	0.67	ug/L			05/02/15 12:26	1
Bromodichloromethane	<0.44		1.0	0.44	ug/L			05/02/15 12:26	1
cis-1,3-Dichloropropene	<0.40		1.0	0.40	ug/L			05/02/15 12:26	1

Client Sample ID: G-22

Lab Sample ID: 680-112021-3

Date Collected: 04/28/15 10:51

Matrix: Water

Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone	<2.1		10	2.1	ug/L			05/02/15 12:26	1
Toluene	<0.48		1.0	0.48	ug/L			05/02/15 12:26	1
trans-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/02/15 12:26	1
1,1,2-Trichloroethane	<0.33		1.0	0.33	ug/L			05/02/15 12:26	1
Tetrachloroethene	<0.74		1.0	0.74	ug/L			05/02/15 12:26	1
2-Hexanone	<2.0		10	2.0	ug/L			05/02/15 12:26	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			05/02/15 12:26	1
1,2-Dibromoethane	<0.44		1.0	0.44	ug/L			05/02/15 12:26	1
Chlorobenzene	<0.26		1.0	0.26	ug/L			05/02/15 12:26	1
Ethylbenzene	<0.33		1.0	0.33	ug/L			05/02/15 12:26	1
Xylenes, Total	<0.23		1.0	0.23	ug/L			05/02/15 12:26	1
Styrene	<0.27		1.0	0.27	ug/L			05/02/15 12:26	1
Bromoform	<0.43		1.0	0.43	ug/L			05/02/15 12:26	1
Isopropylbenzene	<0.35		1.0	0.35	ug/L			05/02/15 12:26	1
1,1,2,2-Tetrachloroethane	<0.62		1.0	0.62	ug/L			05/02/15 12:26	1
1,3-Dichlorobenzene	<0.43		1.0	0.43	ug/L			05/02/15 12:26	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			05/02/15 12:26	1
1,2-Dichlorobenzene	<0.37		1.0	0.37	ug/L			05/02/15 12:26	1
1,2-Dibromo-3-Chloropropane	<1.1		5.0	1.1	ug/L			05/02/15 12:26	1
1,2,4-Trichlorobenzene	<2.5		5.0	2.5	ug/L			05/02/15 12:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*107*		*70 - 130*		*05/02/15 12:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*		*05/02/15 12:26*	*1*
Dibromofluoromethane (Surr)	*98*		*70 - 130*		*05/02/15 12:26*	*1*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*		*05/02/15 12:26*	*1*

Client Sample ID: MW-2S

Lab Sample ID: 680-112021-4

Date Collected: 04/27/15 12:24

Matrix: Water

Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.60		1.0	0.60	ug/L			05/02/15 12:47	1
Chloromethane	<0.40		1.0	0.40	ug/L			05/02/15 12:47	1
Vinyl chloride	<0.50		1.0	0.50	ug/L			05/02/15 12:47	1
Bromomethane	<2.5		5.0	2.5	ug/L			05/02/15 12:47	1
Chloroethane	<2.5		5.0	2.5	ug/L			05/02/15 12:47	1
Trichlorofluoromethane	<0.42		1.0	0.42	ug/L			05/02/15 12:47	1
1,1-Dichloroethene	<0.36		1.0	0.36	ug/L			05/02/15 12:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.36		1.0	0.36	ug/L			05/02/15 12:47	1
Acetone	<7.0		10	7.0	ug/L			05/02/15 12:47	1
Carbon disulfide	<1.0		2.0	1.0	ug/L			05/02/15 12:47	1
Methyl acetate	<1.8		5.0	1.8	ug/L			05/02/15 12:47	1
Methylene Chloride	<2.5		5.0	2.5	ug/L			05/02/15 12:47	1
trans-1,2-Dichloroethene	<0.37		1.0	0.37	ug/L			05/02/15 12:47	1
Methyl tert-butyl ether	<0.30		10	0.30	ug/L			05/02/15 12:47	1
1,1-Dichloroethane	<0.38		1.0	0.38	ug/L			05/02/15 12:47	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/02/15 12:47	1
2-Butanone	<3.4		10	3.4	ug/L			05/02/15 12:47	1

Client Sample ID: MW-2S

Lab Sample ID: 680-112021-4

Date Collected: 04/27/15 12:24
Matrix: Water
Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	<0.50		1.0	0.50	ug/L			05/02/15 12:47	1
1,1,1-Trichloroethane	<0.37		1.0	0.37	ug/L			05/02/15 12:47	1
Cyclohexane	<0.39		1.0	0.39	ug/L			05/02/15 12:47	1
Carbon tetrachloride	<0.33		1.0	0.33	ug/L			05/02/15 12:47	1
Benzene	<0.43		1.0	0.43	ug/L			05/02/15 12:47	1
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			05/02/15 12:47	1
Trichloroethene	**1.0**		1.0	0.48	ug/L			05/02/15 12:47	1
Methylcyclohexane	<0.43		1.0	0.43	ug/L			05/02/15 12:47	1
1,2-Dichloropropane	<0.67		1.0	0.67	ug/L			05/02/15 12:47	1
Bromodichloromethane	<0.44		1.0	0.44	ug/L			05/02/15 12:47	1
cis-1,3-Dichloropropene	<0.40		1.0	0.40	ug/L			05/02/15 12:47	1
4-Methyl-2-pentanone	<2.1		10	2.1	ug/L			05/02/15 12:47	1
Toluene	<0.48		1.0	0.48	ug/L			05/02/15 12:47	1
trans-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/02/15 12:47	1
1,1,2-Trichloroethane	<0.33		1.0	0.33	ug/L			05/02/15 12:47	1
Tetrachloroethene	**1.9**		1.0	0.74	ug/L			05/02/15 12:47	1
2-Hexanone	<2.0		10	2.0	ug/L			05/02/15 12:47	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			05/02/15 12:47	1
1,2-Dibromoethane	<0.44		1.0	0.44	ug/L			05/02/15 12:47	1
Chlorobenzene	<0.26		1.0	0.26	ug/L			05/02/15 12:47	1
Ethylbenzene	<0.33		1.0	0.33	ug/L			05/02/15 12:47	1
Xylenes, Total	<0.23		1.0	0.23	ug/L			05/02/15 12:47	1
Styrene	<0.27		1.0	0.27	ug/L			05/02/15 12:47	1
Bromoform	<0.43		1.0	0.43	ug/L			05/02/15 12:47	1
Isopropylbenzene	<0.35		1.0	0.35	ug/L			05/02/15 12:47	1
1,1,2,2-Tetrachloroethane	<0.62		1.0	0.62	ug/L			05/02/15 12:47	1
1,3-Dichlorobenzene	<0.43		1.0	0.43	ug/L			05/02/15 12:47	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			05/02/15 12:47	1
1,2-Dichlorobenzene	<0.37		1.0	0.37	ug/L			05/02/15 12:47	1
1,2-Dibromo-3-Chloropropane	<1.1		5.0	1.1	ug/L			05/02/15 12:47	1
1,2,4-Trichlorobenzene	<2.5		5.0	2.5	ug/L			05/02/15 12:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*109*		*70 - 130*		*05/02/15 12:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*		*05/02/15 12:47*	*1*
Dibromofluoromethane (Surr)	*98*		*70 - 130*		*05/02/15 12:47*	*1*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*		*05/02/15 12:47*	*1*

Client Sample ID: MW-2D

Lab Sample ID: 680-112021-5

Date Collected: 04/27/15 12:53
Matrix: Water
Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<30		50	30	ug/L			05/02/15 14:57	50
Chloromethane	<20		50	20	ug/L			05/02/15 14:57	50
Vinyl chloride	**270**		50	25	ug/L			05/02/15 14:57	50
Bromomethane	<130		250	130	ug/L			05/02/15 14:57	50
Chloroethane	<130		250	130	ug/L			05/02/15 14:57	50
Trichlorofluoromethane	<21		50	21	ug/L			05/02/15 14:57	50

Client Sample ID: MW-2D

Date Collected: 04/27/15 12:53
Date Received: 04/29/15 13:53

Lab Sample ID: 680-112021-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	**78**		50	18	ug/L			05/02/15 14:57	50
1,1,2-Trichloro-1,2,2-trifluoroethane	<18		50	18	ug/L			05/02/15 14:57	50
Acetone	<350		500	350	ug/L			05/02/15 14:57	50
Carbon disulfide	<50		100	50	ug/L			05/02/15 14:57	50
Methyl acetate	<90		250	90	ug/L			05/02/15 14:57	50
Methylene Chloride	<130		250	130	ug/L			05/02/15 14:57	50
trans-1,2-Dichloroethene	**37**	**J**	50	19	ug/L			05/02/15 14:57	50
Methyl tert-butyl ether	<15		500	15	ug/L			05/02/15 14:57	50
1,1-Dichloroethane	**49**	**J**	50	19	ug/L			05/02/15 14:57	50
cis-1,2-Dichloroethene	**4600**		50	21	ug/L			05/02/15 14:57	50
2-Butanone	<170		500	170	ug/L			05/02/15 14:57	50
Chloroform	<25		50	25	ug/L			05/02/15 14:57	50
1,1,1-Trichloroethane	**120**		50	19	ug/L			05/02/15 14:57	50
Cyclohexane	<20		50	20	ug/L			05/02/15 14:57	50
Carbon tetrachloride	<17		50	17	ug/L			05/02/15 14:57	50
Benzene	<22		50	22	ug/L			05/02/15 14:57	50
1,2-Dichloroethane	<25		50	25	ug/L			05/02/15 14:57	50
Trichloroethene	**1200**		50	24	ug/L			05/02/15 14:57	50
Methylcyclohexane	<22		50	22	ug/L			05/02/15 14:57	50
1,2-Dichloropropane	<34		50	34	ug/L			05/02/15 14:57	50
Bromodichloromethane	<22		50	22	ug/L			05/02/15 14:57	50
cis-1,3-Dichloropropene	<20		50	20	ug/L			05/02/15 14:57	50
4-Methyl-2-pentanone	<110		500	110	ug/L			05/02/15 14:57	50
Toluene	<24		50	24	ug/L			05/02/15 14:57	50
trans-1,3-Dichloropropene	<21		50	21	ug/L			05/02/15 14:57	50
1,1,2-Trichloroethane	<17		50	17	ug/L			05/02/15 14:57	50
Tetrachloroethene	**370**		50	37	ug/L			05/02/15 14:57	50
2-Hexanone	<100		500	100	ug/L			05/02/15 14:57	50
Dibromochloromethane	<16		50	16	ug/L			05/02/15 14:57	50
1,2-Dibromoethane	<22		50	22	ug/L			05/02/15 14:57	50
Chlorobenzene	<13		50	13	ug/L			05/02/15 14:57	50
Ethylbenzene	<17		50	17	ug/L			05/02/15 14:57	50
Xylenes, Total	<12		50	12	ug/L			05/02/15 14:57	50
Styrene	<14		50	14	ug/L			05/02/15 14:57	50
Bromoform	<22		50	22	ug/L			05/02/15 14:57	50
Isopropylbenzene	<18		50	18	ug/L			05/02/15 14:57	50
1,1,2,2-Tetrachloroethane	<31		50	31	ug/L			05/02/15 14:57	50
1,3-Dichlorobenzene	<22		50	22	ug/L			05/02/15 14:57	50
1,4-Dichlorobenzene	<23		50	23	ug/L			05/02/15 14:57	50
1,2-Dichlorobenzene	<19		50	19	ug/L			05/02/15 14:57	50
1,2-Dibromo-3-Chloropropane	<55		250	55	ug/L			05/02/15 14:57	50
1,2,4-Trichlorobenzene	<130		250	130	ug/L			05/02/15 14:57	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*107*		*70 - 130*		*05/02/15 14:57*	*50*
1,2-Dichloroethane-d4 (Surr)	*112*		*70 - 130*		*05/02/15 14:57*	*50*
Dibromofluoromethane (Surr)	*108*		*70 - 130*		*05/02/15 14:57*	*50*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*05/02/15 14:57*	*50*

Client Sample Results

Client: Environmental International Corporation
Project/Site: McKenzie Tank Lines/460002

TestAmerica Job ID: 680-112021-1

Client Sample ID: MW-4S

Date Collected: 04/27/15 17:36
Date Received: 04/29/15 13:53

Lab Sample ID: 680-112021-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<12		20	12	ug/L			05/02/15 15:40	20
Chloromethane	<8.0		20	8.0	ug/L			05/02/15 15:40	20
Vinyl chloride	**53**		20	10	ug/L			05/02/15 15:40	20
Bromomethane	<50		100	50	ug/L			05/02/15 15:40	20
Chloroethane	<50		100	50	ug/L			05/02/15 15:40	20
Trichlorofluoromethane	<8.4		20	8.4	ug/L			05/02/15 15:40	20
1,1-Dichloroethene	<7.2		20	7.2	ug/L			05/02/15 15:40	20
1,1,2-Trichloro-1,2,2-trifluoroethane	<7.2		20	7.2	ug/L			05/02/15 15:40	20
Acetone	<140		200	140	ug/L			05/02/15 15:40	20
Carbon disulfide	<20		40	20	ug/L			05/02/15 15:40	20
Methyl acetate	<36		100	36	ug/L			05/02/15 15:40	20
Methylene Chloride	<50		100	50	ug/L			05/02/15 15:40	20
trans-1,2-Dichloroethene	**8.1**	**J**	20	7.4	ug/L			05/02/15 15:40	20
Methyl tert-butyl ether	<6.0		200	6.0	ug/L			05/02/15 15:40	20
1,1-Dichloroethane	<7.6		20	7.6	ug/L			05/02/15 15:40	20
cis-1,2-Dichloroethene	**1400**		20	8.2	ug/L			05/02/15 15:40	20
2-Butanone	<68		200	68	ug/L			05/02/15 15:40	20
Chloroform	<10		20	10	ug/L			05/02/15 15:40	20
1,1,1-Trichloroethane	<7.4		20	7.4	ug/L			05/02/15 15:40	20
Cyclohexane	<7.8		20	7.8	ug/L			05/02/15 15:40	20
Carbon tetrachloride	<6.6		20	6.6	ug/L			05/02/15 15:40	20
Benzene	<8.6		20	8.6	ug/L			05/02/15 15:40	20
1,2-Dichloroethane	<10		20	10	ug/L			05/02/15 15:40	20
Trichloroethene	<9.6		20	9.6	ug/L			05/02/15 15:40	20
Methylcyclohexane	<8.6		20	8.6	ug/L			05/02/15 15:40	20
1,2-Dichloropropane	<13		20	13	ug/L			05/02/15 15:40	20
Bromodichloromethane	<8.8		20	8.8	ug/L			05/02/15 15:40	20
cis-1,3-Dichloropropene	<8.0		20	8.0	ug/L			05/02/15 15:40	20
4-Methyl-2-pentanone	<42		200	42	ug/L			05/02/15 15:40	20
Toluene	<9.6		20	9.6	ug/L			05/02/15 15:40	20
trans-1,3-Dichloropropene	<8.4		20	8.4	ug/L			05/02/15 15:40	20
1,1,2-Trichloroethane	<6.6		20	6.6	ug/L			05/02/15 15:40	20
Tetrachloroethene	<15		20	15	ug/L			05/02/15 15:40	20
2-Hexanone	<40		200	40	ug/L			05/02/15 15:40	20
Dibromochloromethane	<6.4		20	6.4	ug/L			05/02/15 15:40	20
1,2-Dibromoethane	<8.8		20	8.8	ug/L			05/02/15 15:40	20
Chlorobenzene	<5.2		20	5.2	ug/L			05/02/15 15:40	20
Ethylbenzene	<6.6		20	6.6	ug/L			05/02/15 15:40	20
Xylenes, Total	<4.6		20	4.6	ug/L			05/02/15 15:40	20
Styrene	<5.4		20	5.4	ug/L			05/02/15 15:40	20
Bromoform	<8.6		20	8.6	ug/L			05/02/15 15:40	20
Isopropylbenzene	<7.0		20	7.0	ug/L			05/02/15 15:40	20
1,1,2,2-Tetrachloroethane	<12		20	12	ug/L			05/02/15 15:40	20
1,3-Dichlorobenzene	<8.6		20	8.6	ug/L			05/02/15 15:40	20
1,4-Dichlorobenzene	<9.2		20	9.2	ug/L			05/02/15 15:40	20
1,2-Dichlorobenzene	<7.4		20	7.4	ug/L			05/02/15 15:40	20
1,2-Dibromo-3-Chloropropane	<22		100	22	ug/L			05/02/15 15:40	20
1,2,4-Trichlorobenzene	<50		100	50	ug/L			05/02/15 15:40	20

Client Sample Results

Client: Environmental International Corporation
Project/Site: McKenzie Tank Lines/460002

TestAmerica Job ID: 680-112021-1

Client Sample ID: MW-4S

Lab Sample ID: 680-112021-6

Date Collected: 04/27/15 17:36
Matrix: Water
Date Received: 04/29/15 13:53

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*70 - 130*		*05/02/15 15:40*	*20*
1,2-Dichloroethane-d4 (Surr)	*109*		*70 - 130*		*05/02/15 15:40*	*20*
Dibromofluoromethane (Surr)	*104*		*70 - 130*		*05/02/15 15:40*	*20*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*05/02/15 15:40*	*20*

Client Sample ID: MW-11D

Lab Sample ID: 680-112021-7

Date Collected: 04/27/15 10:31
Matrix: Water
Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.60		1.0	0.60	ug/L			05/02/15 13:08	1
Chloromethane	<0.40		1.0	0.40	ug/L			05/02/15 13:08	1
Vinyl chloride	<0.50		1.0	0.50	ug/L			05/02/15 13:08	1
Bromomethane	<2.5		5.0	2.5	ug/L			05/02/15 13:08	1
Chloroethane	<2.5		5.0	2.5	ug/L			05/02/15 13:08	1
Trichlorofluoromethane	<0.42		1.0	0.42	ug/L			05/02/15 13:08	1
1,1-Dichloroethene	<0.36		1.0	0.36	ug/L			05/02/15 13:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.36		1.0	0.36	ug/L			05/02/15 13:08	1
Acetone	<7.0		10	7.0	ug/L			05/02/15 13:08	1
Carbon disulfide	<1.0		2.0	1.0	ug/L			05/02/15 13:08	1
Methyl acetate	<1.8		5.0	1.8	ug/L			05/02/15 13:08	1
Methylene Chloride	<2.5		5.0	2.5	ug/L			05/02/15 13:08	1
trans-1,2-Dichloroethene	<0.37		1.0	0.37	ug/L			05/02/15 13:08	1
Methyl tert-butyl ether	<0.30		10	0.30	ug/L			05/02/15 13:08	1
1,1-Dichloroethane	<0.38		1.0	0.38	ug/L			05/02/15 13:08	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/02/15 13:08	1
2-Butanone	<3.4		10	3.4	ug/L			05/02/15 13:08	1
Chloroform	<0.50		1.0	0.50	ug/L			05/02/15 13:08	1
1,1,1-Trichloroethane	<0.37		1.0	0.37	ug/L			05/02/15 13:08	1
Cyclohexane	<0.39		1.0	0.39	ug/L			05/02/15 13:08	1
Carbon tetrachloride	<0.33		1.0	0.33	ug/L			05/02/15 13:08	1
Benzene	<0.43		1.0	0.43	ug/L			05/02/15 13:08	1
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			05/02/15 13:08	1
Trichloroethene	<0.48		1.0	0.48	ug/L			05/02/15 13:08	1
Methylcyclohexane	<0.43		1.0	0.43	ug/L			05/02/15 13:08	1
1,2-Dichloropropane	<0.67		1.0	0.67	ug/L			05/02/15 13:08	1
Bromodichloromethane	<0.44		1.0	0.44	ug/L			05/02/15 13:08	1
cis-1,3-Dichloropropene	<0.40		1.0	0.40	ug/L			05/02/15 13:08	1
4-Methyl-2-pentanone	<2.1		10	2.1	ug/L			05/02/15 13:08	1
Toluene	<0.48		1.0	0.48	ug/L			05/02/15 13:08	1
trans-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/02/15 13:08	1
1,1,2-Trichloroethane	<0.33		1.0	0.33	ug/L			05/02/15 13:08	1
Tetrachloroethene	<0.74		1.0	0.74	ug/L			05/02/15 13:08	1
2-Hexanone	<2.0		10	2.0	ug/L			05/02/15 13:08	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			05/02/15 13:08	1
1,2-Dibromoethane	<0.44		1.0	0.44	ug/L			05/02/15 13:08	1
Chlorobenzene	<0.26		1.0	0.26	ug/L			05/02/15 13:08	1
Ethylbenzene	<0.33		1.0	0.33	ug/L			05/02/15 13:08	1
Xylenes, Total	<0.23		1.0	0.23	ug/L			05/02/15 13:08	1

Client Sample ID: MW-11D

Lab Sample ID: 680-112021-7

Date Collected: 04/27/15 10:31

Matrix: Water

Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	<0.27		1.0	0.27	ug/L			05/02/15 13:08	1
Bromoform	<0.43		1.0	0.43	ug/L			05/02/15 13:08	1
Isopropylbenzene	<0.35		1.0	0.35	ug/L			05/02/15 13:08	1
1,1,2,2-Tetrachloroethane	<0.62		1.0	0.62	ug/L			05/02/15 13:08	1
1,3-Dichlorobenzene	<0.43		1.0	0.43	ug/L			05/02/15 13:08	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			05/02/15 13:08	1
1,2-Dichlorobenzene	<0.37		1.0	0.37	ug/L			05/02/15 13:08	1
1,2-Dibromo-3-Chloropropane	<1.1		5.0	1.1	ug/L			05/02/15 13:08	1
1,2,4-Trichlorobenzene	<2.5		5.0	2.5	ug/L			05/02/15 13:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*108*		*70 - 130*		*05/02/15 13:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*		*05/02/15 13:08*	*1*
Dibromofluoromethane (Surr)	*99*		*70 - 130*		*05/02/15 13:08*	*1*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*		*05/02/15 13:08*	*1*

Client Sample ID: MW-14D

Lab Sample ID: 680-112021-8

Date Collected: 04/28/15 16:58

Matrix: Water

Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.60		1.0	0.60	ug/L			05/02/15 13:29	1
Chloromethane	<0.40		1.0	0.40	ug/L			05/02/15 13:29	1
Vinyl chloride	<0.50		1.0	0.50	ug/L			05/02/15 13:29	1
Bromomethane	<2.5		5.0	2.5	ug/L			05/02/15 13:29	1
Chloroethane	<2.5		5.0	2.5	ug/L			05/02/15 13:29	1
Trichlorofluoromethane	<0.42		1.0	0.42	ug/L			05/02/15 13:29	1
1,1-Dichloroethene	<0.36		1.0	0.36	ug/L			05/02/15 13:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.36		1.0	0.36	ug/L			05/02/15 13:29	1
Acetone	<7.0		10	7.0	ug/L			05/02/15 13:29	1
Carbon disulfide	<1.0		2.0	1.0	ug/L			05/02/15 13:29	1
Methyl acetate	<1.8		5.0	1.8	ug/L			05/02/15 13:29	1
Methylene Chloride	<2.5		5.0	2.5	ug/L			05/02/15 13:29	1
trans-1,2-Dichloroethene	<0.37		1.0	0.37	ug/L			05/02/15 13:29	1
Methyl tert-butyl ether	<0.30		10	0.30	ug/L			05/02/15 13:29	1
1,1-Dichloroethane	<0.38		1.0	0.38	ug/L			05/02/15 13:29	1
cis-1,2-Dichloroethene	**5.2**		1.0	0.41	ug/L			05/02/15 13:29	1
2-Butanone	<3.4		10	3.4	ug/L			05/02/15 13:29	1
Chloroform	<0.50		1.0	0.50	ug/L			05/02/15 13:29	1
1,1,1-Trichloroethane	<0.37		1.0	0.37	ug/L			05/02/15 13:29	1
Cyclohexane	<0.39		1.0	0.39	ug/L			05/02/15 13:29	1
Carbon tetrachloride	<0.33		1.0	0.33	ug/L			05/02/15 13:29	1
Benzene	<0.43		1.0	0.43	ug/L			05/02/15 13:29	1
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			05/02/15 13:29	1
Trichloroethene	**2.0**		1.0	0.48	ug/L			05/02/15 13:29	1
Methylcyclohexane	<0.43		1.0	0.43	ug/L			05/02/15 13:29	1
1,2-Dichloropropane	<0.67		1.0	0.67	ug/L			05/02/15 13:29	1
Bromodichloromethane	<0.44		1.0	0.44	ug/L			05/02/15 13:29	1
cis-1,3-Dichloropropene	<0.40		1.0	0.40	ug/L			05/02/15 13:29	1

Client Sample ID: MW-14D

Lab Sample ID: 680-112021-8

Date Collected: 04/28/15 16:58

Matrix: Water

Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone	<2.1		10	2.1	ug/L			05/02/15 13:29	1
Toluene	<0.48		1.0	0.48	ug/L			05/02/15 13:29	1
trans-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/02/15 13:29	1
1,1,2-Trichloroethane	<0.33		1.0	0.33	ug/L			05/02/15 13:29	1
Tetrachloroethene	**2.7**		1.0	0.74	ug/L			05/02/15 13:29	1
2-Hexanone	<2.0		10	2.0	ug/L			05/02/15 13:29	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			05/02/15 13:29	1
1,2-Dibromoethane	<0.44		1.0	0.44	ug/L			05/02/15 13:29	1
Chlorobenzene	<0.26		1.0	0.26	ug/L			05/02/15 13:29	1
Ethylbenzene	<0.33		1.0	0.33	ug/L			05/02/15 13:29	1
Xylenes, Total	<0.23		1.0	0.23	ug/L			05/02/15 13:29	1
Styrene	<0.27		1.0	0.27	ug/L			05/02/15 13:29	1
Bromoform	<0.43		1.0	0.43	ug/L			05/02/15 13:29	1
Isopropylbenzene	<0.35		1.0	0.35	ug/L			05/02/15 13:29	1
1,1,2,2-Tetrachloroethane	<0.62		1.0	0.62	ug/L			05/02/15 13:29	1
1,3-Dichlorobenzene	<0.43		1.0	0.43	ug/L			05/02/15 13:29	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			05/02/15 13:29	1
1,2-Dichlorobenzene	<0.37		1.0	0.37	ug/L			05/02/15 13:29	1
1,2-Dibromo-3-Chloropropane	<1.1		5.0	1.1	ug/L			05/02/15 13:29	1
1,2,4-Trichlorobenzene	<2.5		5.0	2.5	ug/L			05/02/15 13:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*106*		*70 - 130*		*05/02/15 13:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*		*05/02/15 13:29*	*1*
Dibromofluoromethane (Surr)	*99*		*70 - 130*		*05/02/15 13:29*	*1*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*		*05/02/15 13:29*	*1*

Client Sample ID: MW-15S

Lab Sample ID: 680-112021-9

Date Collected: 04/28/15 09:41

Matrix: Water

Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.60		1.0	0.60	ug/L			05/02/15 13:50	1
Chloromethane	<0.40		1.0	0.40	ug/L			05/02/15 13:50	1
Vinyl chloride	<0.50		1.0	0.50	ug/L			05/02/15 13:50	1
Bromomethane	<2.5		5.0	2.5	ug/L			05/02/15 13:50	1
Chloroethane	<2.5		5.0	2.5	ug/L			05/02/15 13:50	1
Trichlorofluoromethane	<0.42		1.0	0.42	ug/L			05/02/15 13:50	1
1,1-Dichloroethene	<0.36		1.0	0.36	ug/L			05/02/15 13:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.36		1.0	0.36	ug/L			05/02/15 13:50	1
Acetone	<7.0		10	7.0	ug/L			05/02/15 13:50	1
Carbon disulfide	<1.0		2.0	1.0	ug/L			05/02/15 13:50	1
Methyl acetate	<1.8		5.0	1.8	ug/L			05/02/15 13:50	1
Methylene Chloride	<2.5		5.0	2.5	ug/L			05/02/15 13:50	1
trans-1,2-Dichloroethene	<0.37		1.0	0.37	ug/L			05/02/15 13:50	1
Methyl tert-butyl ether	<0.30		10	0.30	ug/L			05/02/15 13:50	1
1,1-Dichloroethane	<0.38		1.0	0.38	ug/L			05/02/15 13:50	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/02/15 13:50	1
2-Butanone	<3.4		10	3.4	ug/L			05/02/15 13:50	1

Client Sample ID: MW-15S

Lab Sample ID: 680-112021-9

Date Collected: 04/28/15 09:41

Matrix: Water

Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	<0.50		1.0	0.50	ug/L			05/02/15 13:50	1
1,1,1-Trichloroethane	<0.37		1.0	0.37	ug/L			05/02/15 13:50	1
Cyclohexane	<0.39		1.0	0.39	ug/L			05/02/15 13:50	1
Carbon tetrachloride	<0.33		1.0	0.33	ug/L			05/02/15 13:50	1
Benzene	<0.43		1.0	0.43	ug/L			05/02/15 13:50	1
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			05/02/15 13:50	1
Trichloroethene	<0.48		1.0	0.48	ug/L			05/02/15 13:50	1
Methylcyclohexane	<0.43		1.0	0.43	ug/L			05/02/15 13:50	1
1,2-Dichloropropane	<0.67		1.0	0.67	ug/L			05/02/15 13:50	1
Bromodichloromethane	<0.44		1.0	0.44	ug/L			05/02/15 13:50	1
cis-1,3-Dichloropropene	<0.40		1.0	0.40	ug/L			05/02/15 13:50	1
4-Methyl-2-pentanone	<2.1		10	2.1	ug/L			05/02/15 13:50	1
Toluene	<0.48		1.0	0.48	ug/L			05/02/15 13:50	1
trans-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/02/15 13:50	1
1,1,2-Trichloroethane	<0.33		1.0	0.33	ug/L			05/02/15 13:50	1
Tetrachloroethene	<0.74		1.0	0.74	ug/L			05/02/15 13:50	1
2-Hexanone	<2.0		10	2.0	ug/L			05/02/15 13:50	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			05/02/15 13:50	1
1,2-Dibromoethane	<0.44		1.0	0.44	ug/L			05/02/15 13:50	1
Chlorobenzene	<0.26		1.0	0.26	ug/L			05/02/15 13:50	1
Ethylbenzene	<0.33		1.0	0.33	ug/L			05/02/15 13:50	1
Xylenes, Total	<0.23		1.0	0.23	ug/L			05/02/15 13:50	1
Styrene	<0.27		1.0	0.27	ug/L			05/02/15 13:50	1
Bromoform	<0.43		1.0	0.43	ug/L			05/02/15 13:50	1
Isopropylbenzene	<0.35		1.0	0.35	ug/L			05/02/15 13:50	1
1,1,2,2-Tetrachloroethane	<0.62		1.0	0.62	ug/L			05/02/15 13:50	1
1,3-Dichlorobenzene	<0.43		1.0	0.43	ug/L			05/02/15 13:50	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			05/02/15 13:50	1
1,2-Dichlorobenzene	<0.37		1.0	0.37	ug/L			05/02/15 13:50	1
1,2-Dibromo-3-Chloropropane	<1.1		5.0	1.1	ug/L			05/02/15 13:50	1
1,2,4-Trichlorobenzene	<2.5		5.0	2.5	ug/L			05/02/15 13:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*107*		*70 - 130*		*05/02/15 13:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*		*05/02/15 13:50*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*05/02/15 13:50*	*1*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*		*05/02/15 13:50*	*1*

Client Sample ID: MW-26

Lab Sample ID: 680-112021-10

Date Collected: 04/27/15 19:15

Matrix: Water

Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.60		1.0	0.60	ug/L			05/02/15 14:11	1
Chloromethane	<0.40		1.0	0.40	ug/L			05/02/15 14:11	1
Vinyl chloride	<0.50		1.0	0.50	ug/L			05/02/15 14:11	1
Bromomethane	<2.5		5.0	2.5	ug/L			05/02/15 14:11	1
Chloroethane	<2.5		5.0	2.5	ug/L			05/02/15 14:11	1
Trichlorofluoromethane	<0.42		1.0	0.42	ug/L			05/02/15 14:11	1

Client Sample ID: MW-26
Date Collected: 04/27/15 19:15
Date Received: 04/29/15 13:53

Lab Sample ID: 680-112021-10
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	<0.36		1.0	0.36	ug/L			05/02/15 14:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.36		1.0	0.36	ug/L			05/02/15 14:11	1
Acetone	<7.0		10	7.0	ug/L			05/02/15 14:11	1
Carbon disulfide	<1.0		2.0	1.0	ug/L			05/02/15 14:11	1
Methyl acetate	<1.8		5.0	1.8	ug/L			05/02/15 14:11	1
Methylene Chloride	<2.5		5.0	2.5	ug/L			05/02/15 14:11	1
trans-1,2-Dichloroethene	<0.37		1.0	0.37	ug/L			05/02/15 14:11	1
Methyl tert-butyl ether	<0.30		10	0.30	ug/L			05/02/15 14:11	1
1,1-Dichloroethane	<0.38		1.0	0.38	ug/L			05/02/15 14:11	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/02/15 14:11	1
2-Butanone	<3.4		10	3.4	ug/L			05/02/15 14:11	1
Chloroform	<0.50		1.0	0.50	ug/L			05/02/15 14:11	1
1,1,1-Trichloroethane	<0.37		1.0	0.37	ug/L			05/02/15 14:11	1
Cyclohexane	<0.39		1.0	0.39	ug/L			05/02/15 14:11	1
Carbon tetrachloride	<0.33		1.0	0.33	ug/L			05/02/15 14:11	1
Benzene	<0.43		1.0	0.43	ug/L			05/02/15 14:11	1
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			05/02/15 14:11	1
Trichloroethene	<0.48		1.0	0.48	ug/L			05/02/15 14:11	1
Methylcyclohexane	<0.43		1.0	0.43	ug/L			05/02/15 14:11	1
1,2-Dichloropropane	<0.67		1.0	0.67	ug/L			05/02/15 14:11	1
Bromodichloromethane	<0.44		1.0	0.44	ug/L			05/02/15 14:11	1
cis-1,3-Dichloropropene	<0.40		1.0	0.40	ug/L			05/02/15 14:11	1
4-Methyl-2-pentanone	<2.1		10	2.1	ug/L			05/02/15 14:11	1
Toluene	<0.48		1.0	0.48	ug/L			05/02/15 14:11	1
trans-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/02/15 14:11	1
1,1,2-Trichloroethane	<0.33		1.0	0.33	ug/L			05/02/15 14:11	1
Tetrachloroethene	<0.74		1.0	0.74	ug/L			05/02/15 14:11	1
2-Hexanone	<2.0		10	2.0	ug/L			05/02/15 14:11	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			05/02/15 14:11	1
1,2-Dibromoethane	<0.44		1.0	0.44	ug/L			05/02/15 14:11	1
Chlorobenzene	<0.26		1.0	0.26	ug/L			05/02/15 14:11	1
Ethylbenzene	<0.33		1.0	0.33	ug/L			05/02/15 14:11	1
Xylenes, Total	<0.23		1.0	0.23	ug/L			05/02/15 14:11	1
Styrene	<0.27		1.0	0.27	ug/L			05/02/15 14:11	1
Bromoform	<0.43		1.0	0.43	ug/L			05/02/15 14:11	1
Isopropylbenzene	<0.35		1.0	0.35	ug/L			05/02/15 14:11	1
1,1,2,2-Tetrachloroethane	<0.62		1.0	0.62	ug/L			05/02/15 14:11	1
1,3-Dichlorobenzene	<0.43		1.0	0.43	ug/L			05/02/15 14:11	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			05/02/15 14:11	1
1,2-Dichlorobenzene	<0.37		1.0	0.37	ug/L			05/02/15 14:11	1
1,2-Dibromo-3-Chloropropane	<1.1		5.0	1.1	ug/L			05/02/15 14:11	1
1,2,4-Trichlorobenzene	<2.5		5.0	2.5	ug/L			05/02/15 14:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*107*		*70 - 130*		*05/02/15 14:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*		*05/02/15 14:11*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*05/02/15 14:11*	*1*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*		*05/02/15 14:11*	*1*

Client Sample Results

Client: Environmental International Corporation
Project/Site: McKenzie Tank Lines/460002

TestAmerica Job ID: 680-112021-1

Client Sample ID: MW-29

Lab Sample ID: 680-112021-11

Date Collected: 04/27/15 17:51
Matrix: Water
Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.60		1.0	0.60	ug/L			05/03/15 15:13	1
Chloromethane	<0.40		1.0	0.40	ug/L			05/03/15 15:13	1
Vinyl chloride	<0.50		1.0	0.50	ug/L			05/03/15 15:13	1
Bromomethane	<2.5		5.0	2.5	ug/L			05/03/15 15:13	1
Chloroethane	<2.5		5.0	2.5	ug/L			05/03/15 15:13	1
Trichlorofluoromethane	<0.42		1.0	0.42	ug/L			05/03/15 15:13	1
1,1-Dichloroethene	<0.36		1.0	0.36	ug/L			05/03/15 15:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.36		1.0	0.36	ug/L			05/03/15 15:13	1
Acetone	<7.0		10	7.0	ug/L			05/03/15 15:13	1
Carbon disulfide	<1.0		2.0	1.0	ug/L			05/03/15 15:13	1
Methyl acetate	<1.8		5.0	1.8	ug/L			05/03/15 15:13	1
Methylene Chloride	<2.5		5.0	2.5	ug/L			05/03/15 15:13	1
trans-1,2-Dichloroethene	<0.37		1.0	0.37	ug/L			05/03/15 15:13	1
Methyl tert-butyl ether	<0.30		10	0.30	ug/L			05/03/15 15:13	1
1,1-Dichloroethane	<0.38		1.0	0.38	ug/L			05/03/15 15:13	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/03/15 15:13	1
2-Butanone	<3.4		10	3.4	ug/L			05/03/15 15:13	1
Chloroform	<0.50		1.0	0.50	ug/L			05/03/15 15:13	1
1,1,1-Trichloroethane	<0.37		1.0	0.37	ug/L			05/03/15 15:13	1
Cyclohexane	<0.39		1.0	0.39	ug/L			05/03/15 15:13	1
Carbon tetrachloride	<0.33		1.0	0.33	ug/L			05/03/15 15:13	1
Benzene	<0.43		1.0	0.43	ug/L			05/03/15 15:13	1
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			05/03/15 15:13	1
Trichloroethene	<0.48		1.0	0.48	ug/L			05/03/15 15:13	1
Methylcyclohexane	<0.43		1.0	0.43	ug/L			05/03/15 15:13	1
1,2-Dichloropropane	<0.67		1.0	0.67	ug/L			05/03/15 15:13	1
Bromodichloromethane	<0.44		1.0	0.44	ug/L			05/03/15 15:13	1
cis-1,3-Dichloropropene	<0.40		1.0	0.40	ug/L			05/03/15 15:13	1
4-Methyl-2-pentanone	<2.1		10	2.1	ug/L			05/03/15 15:13	1
Toluene	<0.48		1.0	0.48	ug/L			05/03/15 15:13	1
trans-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/03/15 15:13	1
1,1,2-Trichloroethane	<0.33		1.0	0.33	ug/L			05/03/15 15:13	1
Tetrachloroethene	<0.74		1.0	0.74	ug/L			05/03/15 15:13	1
2-Hexanone	<2.0		10	2.0	ug/L			05/03/15 15:13	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			05/03/15 15:13	1
1,2-Dibromoethane	<0.44		1.0	0.44	ug/L			05/03/15 15:13	1
Chlorobenzene	<0.26		1.0	0.26	ug/L			05/03/15 15:13	1
Ethylbenzene	<0.33		1.0	0.33	ug/L			05/03/15 15:13	1
Xylenes, Total	<0.23		1.0	0.23	ug/L			05/03/15 15:13	1
Styrene	<0.27		1.0	0.27	ug/L			05/03/15 15:13	1
Bromoform	<0.43		1.0	0.43	ug/L			05/03/15 15:13	1
Isopropylbenzene	<0.35		1.0	0.35	ug/L			05/03/15 15:13	1
1,1,2,2-Tetrachloroethane	<0.62		1.0	0.62	ug/L			05/03/15 15:13	1
1,3-Dichlorobenzene	<0.43		1.0	0.43	ug/L			05/03/15 15:13	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			05/03/15 15:13	1
1,2-Dichlorobenzene	<0.37		1.0	0.37	ug/L			05/03/15 15:13	1
1,2-Dibromo-3-Chloropropane	<1.1		5.0	1.1	ug/L			05/03/15 15:13	1
1,2,4-Trichlorobenzene	<2.5		5.0	2.5	ug/L			05/03/15 15:13	1

Client Sample Results

Client: Environmental International Corporation
Project/Site: McKenzie Tank Lines/460002

TestAmerica Job ID: 680-112021-1

Client Sample ID: MW-29

Lab Sample ID: 680-112021-11

Date Collected: 04/27/15 17:51
Matrix: Water
Date Received: 04/29/15 13:53

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*70 - 130*		*05/03/15 15:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*		*05/03/15 15:13*	*1*
Dibromofluoromethane (Surr)	*99*		*70 - 130*		*05/03/15 15:13*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*05/03/15 15:13*	*1*

Client Sample ID: MW-31

Lab Sample ID: 680-112021-12

Date Collected: 04/28/15 18:22
Matrix: Water
Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.60		1.0	0.60	ug/L			05/02/15 14:33	1
Chloromethane	<0.40		1.0	0.40	ug/L			05/02/15 14:33	1
Vinyl chloride	<0.50		1.0	0.50	ug/L			05/02/15 14:33	1
Bromomethane	<2.5		5.0	2.5	ug/L			05/02/15 14:33	1
Chloroethane	<2.5		5.0	2.5	ug/L			05/02/15 14:33	1
Trichlorofluoromethane	<0.42		1.0	0.42	ug/L			05/02/15 14:33	1
1,1-Dichloroethene	<0.36		1.0	0.36	ug/L			05/02/15 14:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.36		1.0	0.36	ug/L			05/02/15 14:33	1
Acetone	<7.0		10	7.0	ug/L			05/02/15 14:33	1
Carbon disulfide	<1.0		2.0	1.0	ug/L			05/02/15 14:33	1
Methyl acetate	<1.8		5.0	1.8	ug/L			05/02/15 14:33	1
Methylene Chloride	<2.5		5.0	2.5	ug/L			05/02/15 14:33	1
trans-1,2-Dichloroethene	<0.37		1.0	0.37	ug/L			05/02/15 14:33	1
Methyl tert-butyl ether	<0.30		10	0.30	ug/L			05/02/15 14:33	1
1,1-Dichloroethane	<0.38		1.0	0.38	ug/L			05/02/15 14:33	1
cis-1,2-Dichloroethene	**18**		1.0	0.41	ug/L			05/02/15 14:33	1
2-Butanone	<3.4		10	3.4	ug/L			05/02/15 14:33	1
Chloroform	<0.50		1.0	0.50	ug/L			05/02/15 14:33	1
1,1,1-Trichloroethane	<0.37		1.0	0.37	ug/L			05/02/15 14:33	1
Cyclohexane	<0.39		1.0	0.39	ug/L			05/02/15 14:33	1
Carbon tetrachloride	<0.33		1.0	0.33	ug/L			05/02/15 14:33	1
Benzene	<0.43		1.0	0.43	ug/L			05/02/15 14:33	1
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			05/02/15 14:33	1
Trichloroethene	**7.4**		1.0	0.48	ug/L			05/02/15 14:33	1
Methylcyclohexane	<0.43		1.0	0.43	ug/L			05/02/15 14:33	1
1,2-Dichloropropane	<0.67		1.0	0.67	ug/L			05/02/15 14:33	1
Bromodichloromethane	<0.44		1.0	0.44	ug/L			05/02/15 14:33	1
cis-1,3-Dichloropropene	<0.40		1.0	0.40	ug/L			05/02/15 14:33	1
4-Methyl-2-pentanone	<2.1		10	2.1	ug/L			05/02/15 14:33	1
Toluene	<0.48		1.0	0.48	ug/L			05/02/15 14:33	1
trans-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/02/15 14:33	1
1,1,2-Trichloroethane	<0.33		1.0	0.33	ug/L			05/02/15 14:33	1
Tetrachloroethene	**2.8**		1.0	0.74	ug/L			05/02/15 14:33	1
2-Hexanone	<2.0		10	2.0	ug/L			05/02/15 14:33	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			05/02/15 14:33	1
1,2-Dibromoethane	<0.44		1.0	0.44	ug/L			05/02/15 14:33	1
Chlorobenzene	<0.26		1.0	0.26	ug/L			05/02/15 14:33	1
Ethylbenzene	<0.33		1.0	0.33	ug/L			05/02/15 14:33	1
Xylenes, Total	<0.23		1.0	0.23	ug/L			05/02/15 14:33	1

Client Sample ID: MW-31

Lab Sample ID: 680-112021-12

Date Collected: 04/28/15 18:22

Matrix: Water

Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	<0.27		1.0	0.27	ug/L			05/02/15 14:33	1
Bromoform	<0.43		1.0	0.43	ug/L			05/02/15 14:33	1
Isopropylbenzene	<0.35		1.0	0.35	ug/L			05/02/15 14:33	1
1,1,2,2-Tetrachloroethane	<0.62		1.0	0.62	ug/L			05/02/15 14:33	1
1,3-Dichlorobenzene	<0.43		1.0	0.43	ug/L			05/02/15 14:33	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			05/02/15 14:33	1
1,2-Dichlorobenzene	<0.37		1.0	0.37	ug/L			05/02/15 14:33	1
1,2-Dibromo-3-Chloropropane	<1.1		5.0	1.1	ug/L			05/02/15 14:33	1
1,2,4-Trichlorobenzene	<2.5		5.0	2.5	ug/L			05/02/15 14:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*109*		*70 - 130*		*05/02/15 14:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*		*05/02/15 14:33*	*1*
Dibromofluoromethane (Surr)	*99*		*70 - 130*		*05/02/15 14:33*	*1*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*		*05/02/15 14:33*	*1*

Client Sample ID: MW-32

Lab Sample ID: 680-112021-13

Date Collected: 04/28/15 16:47

Matrix: Water

Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.60		1.0	0.60	ug/L			05/03/15 15:33	1
Chloromethane	<0.40		1.0	0.40	ug/L			05/03/15 15:33	1
Vinyl chloride	**0.79**	**J**	1.0	0.50	ug/L			05/03/15 15:33	1
Bromomethane	<2.5		5.0	2.5	ug/L			05/03/15 15:33	1
Chloroethane	<2.5		5.0	2.5	ug/L			05/03/15 15:33	1
Trichlorofluoromethane	<0.42		1.0	0.42	ug/L			05/03/15 15:33	1
1,1-Dichloroethene	**0.56**	**J**	1.0	0.36	ug/L			05/03/15 15:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.36		1.0	0.36	ug/L			05/03/15 15:33	1
Acetone	<7.0		10	7.0	ug/L			05/03/15 15:33	1
Carbon disulfide	<1.0		2.0	1.0	ug/L			05/03/15 15:33	1
Methyl acetate	<1.8		5.0	1.8	ug/L			05/03/15 15:33	1
Methylene Chloride	<2.5		5.0	2.5	ug/L			05/03/15 15:33	1
trans-1,2-Dichloroethene	**1.7**		1.0	0.37	ug/L			05/03/15 15:33	1
Methyl tert-butyl ether	<0.30		10	0.30	ug/L			05/03/15 15:33	1
1,1-Dichloroethane	**0.52**	**J**	1.0	0.38	ug/L			05/03/15 15:33	1
cis-1,2-Dichloroethene	**140**		1.0	0.41	ug/L			05/03/15 15:33	1
2-Butanone	<3.4		10	3.4	ug/L			05/03/15 15:33	1
Chloroform	<0.50		1.0	0.50	ug/L			05/03/15 15:33	1
1,1,1-Trichloroethane	<0.37		1.0	0.37	ug/L			05/03/15 15:33	1
Cyclohexane	<0.39		1.0	0.39	ug/L			05/03/15 15:33	1
Carbon tetrachloride	<0.33		1.0	0.33	ug/L			05/03/15 15:33	1
Benzene	<0.43		1.0	0.43	ug/L			05/03/15 15:33	1
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			05/03/15 15:33	1
Trichloroethene	**30**		1.0	0.48	ug/L			05/03/15 15:33	1
Methylcyclohexane	<0.43		1.0	0.43	ug/L			05/03/15 15:33	1
1,2-Dichloropropane	<0.67		1.0	0.67	ug/L			05/03/15 15:33	1
Bromodichloromethane	<0.44		1.0	0.44	ug/L			05/03/15 15:33	1
cis-1,3-Dichloropropene	<0.40		1.0	0.40	ug/L			05/03/15 15:33	1

Client Sample ID: MW-32

Lab Sample ID: 680-112021-13

Date Collected: 04/28/15 16:47

Matrix: Water

Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone	<2.1		10	2.1	ug/L			05/03/15 15:33	1
Toluene	<0.48		1.0	0.48	ug/L			05/03/15 15:33	1
trans-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/03/15 15:33	1
1,1,2-Trichloroethane	<0.33		1.0	0.33	ug/L			05/03/15 15:33	1
Tetrachloroethene	**51**		1.0	0.74	ug/L			05/03/15 15:33	1
2-Hexanone	<2.0		10	2.0	ug/L			05/03/15 15:33	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			05/03/15 15:33	1
1,2-Dibromoethane	<0.44		1.0	0.44	ug/L			05/03/15 15:33	1
Chlorobenzene	<0.26		1.0	0.26	ug/L			05/03/15 15:33	1
Ethylbenzene	<0.33		1.0	0.33	ug/L			05/03/15 15:33	1
Xylenes, Total	<0.23		1.0	0.23	ug/L			05/03/15 15:33	1
Styrene	<0.27		1.0	0.27	ug/L			05/03/15 15:33	1
Bromoform	<0.43		1.0	0.43	ug/L			05/03/15 15:33	1
Isopropylbenzene	<0.35		1.0	0.35	ug/L			05/03/15 15:33	1
1,1,2,2-Tetrachloroethane	<0.62		1.0	0.62	ug/L			05/03/15 15:33	1
1,3-Dichlorobenzene	<0.43		1.0	0.43	ug/L			05/03/15 15:33	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			05/03/15 15:33	1
1,2-Dichlorobenzene	<0.37		1.0	0.37	ug/L			05/03/15 15:33	1
1,2-Dibromo-3-Chloropropane	<1.1		5.0	1.1	ug/L			05/03/15 15:33	1
1,2,4-Trichlorobenzene	<2.5		5.0	2.5	ug/L			05/03/15 15:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*70 - 130*		*05/03/15 15:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*		*05/03/15 15:33*	*1*
Dibromofluoromethane (Surr)	*97*		*70 - 130*		*05/03/15 15:33*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*05/03/15 15:33*	*1*

Client Sample ID: MW-33

Lab Sample ID: 680-112021-14

Date Collected: 04/28/15 09:51

Matrix: Water

Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<3.0		5.0	3.0	ug/L			05/02/15 16:45	5
Chloromethane	<2.0		5.0	2.0	ug/L			05/02/15 16:45	5
Vinyl chloride	**51**		5.0	2.5	ug/L			05/02/15 16:45	5
Bromomethane	<13		25	13	ug/L			05/02/15 16:45	5
Chloroethane	<13		25	13	ug/L			05/02/15 16:45	5
Trichlorofluoromethane	<2.1		5.0	2.1	ug/L			05/02/15 16:45	5
1,1-Dichloroethene	<1.8		5.0	1.8	ug/L			05/02/15 16:45	5
1,1,2-Trichloro-1,2,2-trifluoroethane	<1.8		5.0	1.8	ug/L			05/02/15 16:45	5
Acetone	<35		50	35	ug/L			05/02/15 16:45	5
Carbon disulfide	<5.0		10	5.0	ug/L			05/02/15 16:45	5
Methyl acetate	<9.0		25	9.0	ug/L			05/02/15 16:45	5
Methylene Chloride	<13		25	13	ug/L			05/02/15 16:45	5
trans-1,2-Dichloroethene	<1.9		5.0	1.9	ug/L			05/02/15 16:45	5
Methyl tert-butyl ether	<1.5		50	1.5	ug/L			05/02/15 16:45	5
1,1-Dichloroethane	<1.9		5.0	1.9	ug/L			05/02/15 16:45	5
cis-1,2-Dichloroethene	**270**		5.0	2.1	ug/L			05/02/15 16:45	5
2-Butanone	<17		50	17	ug/L			05/02/15 16:45	5

Client Sample ID: MW-33

Lab Sample ID: 680-112021-14

Date Collected: 04/28/15 09:51

Matrix: Water

Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	<2.5		5.0	2.5	ug/L			05/02/15 16:45	5
1,1,1-Trichloroethane	<1.9		5.0	1.9	ug/L			05/02/15 16:45	5
Cyclohexane	<2.0		5.0	2.0	ug/L			05/02/15 16:45	5
Carbon tetrachloride	<1.7		5.0	1.7	ug/L			05/02/15 16:45	5
Benzene	<2.2		5.0	2.2	ug/L			05/02/15 16:45	5
1,2-Dichloroethane	<2.5		5.0	2.5	ug/L			05/02/15 16:45	5
Trichloroethene	<2.4		5.0	2.4	ug/L			05/02/15 16:45	5
Methylcyclohexane	<2.2		5.0	2.2	ug/L			05/02/15 16:45	5
1,2-Dichloropropane	<3.4		5.0	3.4	ug/L			05/02/15 16:45	5
Bromodichloromethane	<2.2		5.0	2.2	ug/L			05/02/15 16:45	5
cis-1,3-Dichloropropene	<2.0		5.0	2.0	ug/L			05/02/15 16:45	5
4-Methyl-2-pentanone	<11		50	11	ug/L			05/02/15 16:45	5
Toluene	<2.4		5.0	2.4	ug/L			05/02/15 16:45	5
trans-1,3-Dichloropropene	<2.1		5.0	2.1	ug/L			05/02/15 16:45	5
1,1,2-Trichloroethane	<1.7		5.0	1.7	ug/L			05/02/15 16:45	5
Tetrachloroethene	<3.7		5.0	3.7	ug/L			05/02/15 16:45	5
2-Hexanone	<10		50	10	ug/L			05/02/15 16:45	5
Dibromochloromethane	<1.6		5.0	1.6	ug/L			05/02/15 16:45	5
1,2-Dibromoethane	<2.2		5.0	2.2	ug/L			05/02/15 16:45	5
Chlorobenzene	<1.3		5.0	1.3	ug/L			05/02/15 16:45	5
Ethylbenzene	<1.7		5.0	1.7	ug/L			05/02/15 16:45	5
Xylenes, Total	<1.2		5.0	1.2	ug/L			05/02/15 16:45	5
Styrene	<1.4		5.0	1.4	ug/L			05/02/15 16:45	5
Bromoform	<2.2		5.0	2.2	ug/L			05/02/15 16:45	5
Isopropylbenzene	<1.8		5.0	1.8	ug/L			05/02/15 16:45	5
1,1,2,2-Tetrachloroethane	<3.1		5.0	3.1	ug/L			05/02/15 16:45	5
1,3-Dichlorobenzene	<2.2		5.0	2.2	ug/L			05/02/15 16:45	5
1,4-Dichlorobenzene	<2.3		5.0	2.3	ug/L			05/02/15 16:45	5
1,2-Dichlorobenzene	<1.9		5.0	1.9	ug/L			05/02/15 16:45	5
1,2-Dibromo-3-Chloropropane	<5.5		25	5.5	ug/L			05/02/15 16:45	5
1,2,4-Trichlorobenzene	<13		25	13	ug/L			05/02/15 16:45	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*106*		*70 - 130*		*05/02/15 16:45*	*5*
1,2-Dichloroethane-d4 (Surr)	*109*		*70 - 130*		*05/02/15 16:45*	*5*
Dibromofluoromethane (Surr)	*104*		*70 - 130*		*05/02/15 16:45*	*5*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*05/02/15 16:45*	*5*

Client Sample ID: MW-35

Lab Sample ID: 680-112021-15

Date Collected: 04/28/15 10:43

Matrix: Water

Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.60		1.0	0.60	ug/L			05/02/15 14:54	1
Chloromethane	<0.40		1.0	0.40	ug/L			05/02/15 14:54	1
Vinyl chloride	<0.50		1.0	0.50	ug/L			05/02/15 14:54	1
Bromomethane	<2.5		5.0	2.5	ug/L			05/02/15 14:54	1
Chloroethane	<2.5		5.0	2.5	ug/L			05/02/15 14:54	1
Trichlorofluoromethane	<0.42		1.0	0.42	ug/L			05/02/15 14:54	1

Client Sample Results

Client: Environmental International Corporation
Project/Site: McKenzie Tank Lines/460002

TestAmerica Job ID: 680-112021-1

Client Sample ID: MW-35

Lab Sample ID: 680-112021-15

Date Collected: 04/28/15 10:43

Matrix: Water

Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	<0.36		1.0	0.36	ug/L			05/02/15 14:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.36		1.0	0.36	ug/L			05/02/15 14:54	1
Acetone	<7.0		10	7.0	ug/L			05/02/15 14:54	1
Carbon disulfide	<1.0		2.0	1.0	ug/L			05/02/15 14:54	1
Methyl acetate	<1.8		5.0	1.8	ug/L			05/02/15 14:54	1
Methylene Chloride	<2.5		5.0	2.5	ug/L			05/02/15 14:54	1
trans-1,2-Dichloroethene	<0.37		1.0	0.37	ug/L			05/02/15 14:54	1
Methyl tert-butyl ether	<0.30		10	0.30	ug/L			05/02/15 14:54	1
1,1-Dichloroethane	<0.38		1.0	0.38	ug/L			05/02/15 14:54	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/02/15 14:54	1
2-Butanone	<3.4		10	3.4	ug/L			05/02/15 14:54	1
Chloroform	<0.50		1.0	0.50	ug/L			05/02/15 14:54	1
1,1,1-Trichloroethane	<0.37		1.0	0.37	ug/L			05/02/15 14:54	1
Cyclohexane	<0.39		1.0	0.39	ug/L			05/02/15 14:54	1
Carbon tetrachloride	<0.33		1.0	0.33	ug/L			05/02/15 14:54	1
Benzene	<0.43		1.0	0.43	ug/L			05/02/15 14:54	1
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			05/02/15 14:54	1
Trichloroethene	<0.48		1.0	0.48	ug/L			05/02/15 14:54	1
Methylcyclohexane	<0.43		1.0	0.43	ug/L			05/02/15 14:54	1
1,2-Dichloropropane	<0.67		1.0	0.67	ug/L			05/02/15 14:54	1
Bromodichloromethane	<0.44		1.0	0.44	ug/L			05/02/15 14:54	1
cis-1,3-Dichloropropene	<0.40		1.0	0.40	ug/L			05/02/15 14:54	1
4-Methyl-2-pentanone	<2.1		10	2.1	ug/L			05/02/15 14:54	1
Toluene	<0.48		1.0	0.48	ug/L			05/02/15 14:54	1
trans-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/02/15 14:54	1
1,1,2-Trichloroethane	<0.33		1.0	0.33	ug/L			05/02/15 14:54	1
Tetrachloroethene	<0.74		1.0	0.74	ug/L			05/02/15 14:54	1
2-Hexanone	<2.0		10	2.0	ug/L			05/02/15 14:54	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			05/02/15 14:54	1
1,2-Dibromoethane	<0.44		1.0	0.44	ug/L			05/02/15 14:54	1
Chlorobenzene	<0.26		1.0	0.26	ug/L			05/02/15 14:54	1
Ethylbenzene	<0.33		1.0	0.33	ug/L			05/02/15 14:54	1
Xylenes, Total	<0.23		1.0	0.23	ug/L			05/02/15 14:54	1
Styrene	<0.27		1.0	0.27	ug/L			05/02/15 14:54	1
Bromoform	<0.43		1.0	0.43	ug/L			05/02/15 14:54	1
Isopropylbenzene	<0.35		1.0	0.35	ug/L			05/02/15 14:54	1
1,1,2,2-Tetrachloroethane	<0.62		1.0	0.62	ug/L			05/02/15 14:54	1
1,3-Dichlorobenzene	<0.43		1.0	0.43	ug/L			05/02/15 14:54	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			05/02/15 14:54	1
1,2-Dichlorobenzene	<0.37		1.0	0.37	ug/L			05/02/15 14:54	1
1,2-Dibromo-3-Chloropropane	<1.1		5.0	1.1	ug/L			05/02/15 14:54	1
1,2,4-Trichlorobenzene	<2.5		5.0	2.5	ug/L			05/02/15 14:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*107*		*70 - 130*		*05/02/15 14:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*		*05/02/15 14:54*	*1*
Dibromofluoromethane (Surr)	*98*		*70 - 130*		*05/02/15 14:54*	*1*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*		*05/02/15 14:54*	*1*

Client Sample Results

Client: Environmental International Corporation
Project/Site: McKenzie Tank Lines/460002

TestAmerica Job ID: 680-112021-1

Client Sample ID: MW-36

Lab Sample ID: 680-112021-16

Date Collected: 04/27/15 18:45

Matrix: Water

Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.60		1.0	0.60	ug/L			05/02/15 15:15	1
Chloromethane	<0.40		1.0	0.40	ug/L			05/02/15 15:15	1
Vinyl chloride	<0.50		1.0	0.50	ug/L			05/02/15 15:15	1
Bromomethane	<2.5		5.0	2.5	ug/L			05/02/15 15:15	1
Chloroethane	<2.5		5.0	2.5	ug/L			05/02/15 15:15	1
Trichlorofluoromethane	<0.42		1.0	0.42	ug/L			05/02/15 15:15	1
1,1-Dichloroethene	<0.36		1.0	0.36	ug/L			05/02/15 15:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.36		1.0	0.36	ug/L			05/02/15 15:15	1
Acetone	<7.0		10	7.0	ug/L			05/02/15 15:15	1
Carbon disulfide	<1.0		2.0	1.0	ug/L			05/02/15 15:15	1
Methyl acetate	<1.8		5.0	1.8	ug/L			05/02/15 15:15	1
Methylene Chloride	<2.5		5.0	2.5	ug/L			05/02/15 15:15	1
trans-1,2-Dichloroethene	<0.37		1.0	0.37	ug/L			05/02/15 15:15	1
Methyl tert-butyl ether	<0.30		10	0.30	ug/L			05/02/15 15:15	1
1,1-Dichloroethane	<0.38		1.0	0.38	ug/L			05/02/15 15:15	1
cis-1,2-Dichloroethene	**1.0**		1.0	0.41	ug/L			05/02/15 15:15	1
2-Butanone	<3.4		10	3.4	ug/L			05/02/15 15:15	1
Chloroform	<0.50		1.0	0.50	ug/L			05/02/15 15:15	1
1,1,1-Trichloroethane	<0.37		1.0	0.37	ug/L			05/02/15 15:15	1
Cyclohexane	<0.39		1.0	0.39	ug/L			05/02/15 15:15	1
Carbon tetrachloride	<0.33		1.0	0.33	ug/L			05/02/15 15:15	1
Benzene	<0.43		1.0	0.43	ug/L			05/02/15 15:15	1
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			05/02/15 15:15	1
Trichloroethene	<0.48		1.0	0.48	ug/L			05/02/15 15:15	1
Methylcyclohexane	<0.43		1.0	0.43	ug/L			05/02/15 15:15	1
1,2-Dichloropropane	<0.67		1.0	0.67	ug/L			05/02/15 15:15	1
Bromodichloromethane	<0.44		1.0	0.44	ug/L			05/02/15 15:15	1
cis-1,3-Dichloropropene	<0.40		1.0	0.40	ug/L			05/02/15 15:15	1
4-Methyl-2-pentanone	<2.1		10	2.1	ug/L			05/02/15 15:15	1
Toluene	<0.48		1.0	0.48	ug/L			05/02/15 15:15	1
trans-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/02/15 15:15	1
1,1,2-Trichloroethane	<0.33		1.0	0.33	ug/L			05/02/15 15:15	1
Tetrachloroethene	<0.74		1.0	0.74	ug/L			05/02/15 15:15	1
2-Hexanone	<2.0		10	2.0	ug/L			05/02/15 15:15	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			05/02/15 15:15	1
1,2-Dibromoethane	<0.44		1.0	0.44	ug/L			05/02/15 15:15	1
Chlorobenzene	<0.26		1.0	0.26	ug/L			05/02/15 15:15	1
Ethylbenzene	<0.33		1.0	0.33	ug/L			05/02/15 15:15	1
Xylenes, Total	<0.23		1.0	0.23	ug/L			05/02/15 15:15	1
Styrene	<0.27		1.0	0.27	ug/L			05/02/15 15:15	1
Bromoform	<0.43		1.0	0.43	ug/L			05/02/15 15:15	1
Isopropylbenzene	<0.35		1.0	0.35	ug/L			05/02/15 15:15	1
1,1,2,2-Tetrachloroethane	<0.62		1.0	0.62	ug/L			05/02/15 15:15	1
1,3-Dichlorobenzene	<0.43		1.0	0.43	ug/L			05/02/15 15:15	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			05/02/15 15:15	1
1,2-Dichlorobenzene	<0.37		1.0	0.37	ug/L			05/02/15 15:15	1
1,2-Dibromo-3-Chloropropane	<1.1		5.0	1.1	ug/L			05/02/15 15:15	1
1,2,4-Trichlorobenzene	<2.5		5.0	2.5	ug/L			05/02/15 15:15	1

Client Sample Results

Client: Environmental International Corporation
Project/Site: McKenzie Tank Lines/460002

TestAmerica Job ID: 680-112021-1

Client Sample ID: MW-36

Lab Sample ID: 680-112021-16

Date Collected: 04/27/15 18:45
Matrix: Water
Date Received: 04/29/15 13:53

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*109*		*70 - 130*		*05/02/15 15:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*		*05/02/15 15:15*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*05/02/15 15:15*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*05/02/15 15:15*	*1*

Client Sample ID: MW-37S

Lab Sample ID: 680-112021-17

Date Collected: 04/28/15 15:12
Matrix: Water
Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.60		1.0	0.60	ug/L			05/02/15 15:36	1
Chloromethane	<0.40		1.0	0.40	ug/L			05/02/15 15:36	1
Vinyl chloride	<0.50		1.0	0.50	ug/L			05/02/15 15:36	1
Bromomethane	<2.5		5.0	2.5	ug/L			05/02/15 15:36	1
Chloroethane	<2.5		5.0	2.5	ug/L			05/02/15 15:36	1
Trichlorofluoromethane	<0.42		1.0	0.42	ug/L			05/02/15 15:36	1
1,1-Dichloroethene	<0.36		1.0	0.36	ug/L			05/02/15 15:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.36		1.0	0.36	ug/L			05/02/15 15:36	1
Acetone	<7.0		10	7.0	ug/L			05/02/15 15:36	1
Carbon disulfide	<1.0		2.0	1.0	ug/L			05/02/15 15:36	1
Methyl acetate	<1.8		5.0	1.8	ug/L			05/02/15 15:36	1
Methylene Chloride	<2.5		5.0	2.5	ug/L			05/02/15 15:36	1
trans-1,2-Dichloroethene	<0.37		1.0	0.37	ug/L			05/02/15 15:36	1
Methyl tert-butyl ether	<0.30		10	0.30	ug/L			05/02/15 15:36	1
1,1-Dichloroethane	<0.38		1.0	0.38	ug/L			05/02/15 15:36	1
cis-1,2-Dichloroethene	**5.5**		1.0	0.41	ug/L			05/02/15 15:36	1
2-Butanone	<3.4		10	3.4	ug/L			05/02/15 15:36	1
Chloroform	<0.50		1.0	0.50	ug/L			05/02/15 15:36	1
1,1,1-Trichloroethane	<0.37		1.0	0.37	ug/L			05/02/15 15:36	1
Cyclohexane	<0.39		1.0	0.39	ug/L			05/02/15 15:36	1
Carbon tetrachloride	<0.33		1.0	0.33	ug/L			05/02/15 15:36	1
Benzene	<0.43		1.0	0.43	ug/L			05/02/15 15:36	1
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			05/02/15 15:36	1
Trichloroethene	**0.49**	**J**	1.0	0.48	ug/L			05/02/15 15:36	1
Methylcyclohexane	<0.43		1.0	0.43	ug/L			05/02/15 15:36	1
1,2-Dichloropropane	<0.67		1.0	0.67	ug/L			05/02/15 15:36	1
Bromodichloromethane	<0.44		1.0	0.44	ug/L			05/02/15 15:36	1
cis-1,3-Dichloropropene	<0.40		1.0	0.40	ug/L			05/02/15 15:36	1
4-Methyl-2-pentanone	<2.1		10	2.1	ug/L			05/02/15 15:36	1
Toluene	<0.48		1.0	0.48	ug/L			05/02/15 15:36	1
trans-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/02/15 15:36	1
1,1,2-Trichloroethane	<0.33		1.0	0.33	ug/L			05/02/15 15:36	1
Tetrachloroethene	<0.74		1.0	0.74	ug/L			05/02/15 15:36	1
2-Hexanone	<2.0		10	2.0	ug/L			05/02/15 15:36	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			05/02/15 15:36	1
1,2-Dibromoethane	<0.44		1.0	0.44	ug/L			05/02/15 15:36	1
Chlorobenzene	<0.26		1.0	0.26	ug/L			05/02/15 15:36	1
Ethylbenzene	<0.33		1.0	0.33	ug/L			05/02/15 15:36	1
Xylenes, Total	<0.23		1.0	0.23	ug/L			05/02/15 15:36	1

Client Sample ID: MW-37S

Lab Sample ID: 680-112021-17

Date Collected: 04/28/15 15:12

Matrix: Water

Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	<0.27		1.0	0.27	ug/L			05/02/15 15:36	1
Bromoform	<0.43		1.0	0.43	ug/L			05/02/15 15:36	1
Isopropylbenzene	<0.35		1.0	0.35	ug/L			05/02/15 15:36	1
1,1,2,2-Tetrachloroethane	<0.62		1.0	0.62	ug/L			05/02/15 15:36	1
1,3-Dichlorobenzene	<0.43		1.0	0.43	ug/L			05/02/15 15:36	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			05/02/15 15:36	1
1,2-Dichlorobenzene	<0.37		1.0	0.37	ug/L			05/02/15 15:36	1
1,2-Dibromo-3-Chloropropane	<1.1		5.0	1.1	ug/L			05/02/15 15:36	1
1,2,4-Trichlorobenzene	<2.5		5.0	2.5	ug/L			05/02/15 15:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*108*		*70 - 130*		*05/02/15 15:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*		*05/02/15 15:36*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*05/02/15 15:36*	*1*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*		*05/02/15 15:36*	*1*

Client Sample ID: MW-38D

Lab Sample ID: 680-112021-18

Date Collected: 04/28/15 15:51

Matrix: Water

Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.60		1.0	0.60	ug/L			05/02/15 15:57	1
Chloromethane	<0.40		1.0	0.40	ug/L			05/02/15 15:57	1
Vinyl chloride	<0.50		1.0	0.50	ug/L			05/02/15 15:57	1
Bromomethane	<2.5		5.0	2.5	ug/L			05/02/15 15:57	1
Chloroethane	<2.5		5.0	2.5	ug/L			05/02/15 15:57	1
Trichlorofluoromethane	<0.42		1.0	0.42	ug/L			05/02/15 15:57	1
1,1-Dichloroethene	<0.36		1.0	0.36	ug/L			05/02/15 15:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.36		1.0	0.36	ug/L			05/02/15 15:57	1
Acetone	<7.0		10	7.0	ug/L			05/02/15 15:57	1
Carbon disulfide	<1.0		2.0	1.0	ug/L			05/02/15 15:57	1
Methyl acetate	<1.8		5.0	1.8	ug/L			05/02/15 15:57	1
Methylene Chloride	<2.5		5.0	2.5	ug/L			05/02/15 15:57	1
trans-1,2-Dichloroethene	<0.37		1.0	0.37	ug/L			05/02/15 15:57	1
Methyl tert-butyl ether	<0.30		10	0.30	ug/L			05/02/15 15:57	1
1,1-Dichloroethane	<0.38		1.0	0.38	ug/L			05/02/15 15:57	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/02/15 15:57	1
2-Butanone	<3.4		10	3.4	ug/L			05/02/15 15:57	1
Chloroform	<0.50		1.0	0.50	ug/L			05/02/15 15:57	1
1,1,1-Trichloroethane	<0.37		1.0	0.37	ug/L			05/02/15 15:57	1
Cyclohexane	<0.39		1.0	0.39	ug/L			05/02/15 15:57	1
Carbon tetrachloride	<0.33		1.0	0.33	ug/L			05/02/15 15:57	1
Benzene	<0.43		1.0	0.43	ug/L			05/02/15 15:57	1
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			05/02/15 15:57	1
Trichloroethene	<0.48		1.0	0.48	ug/L			05/02/15 15:57	1
Methylcyclohexane	<0.43		1.0	0.43	ug/L			05/02/15 15:57	1
1,2-Dichloropropane	<0.67		1.0	0.67	ug/L			05/02/15 15:57	1
Bromodichloromethane	<0.44		1.0	0.44	ug/L			05/02/15 15:57	1
cis-1,3-Dichloropropene	<0.40		1.0	0.40	ug/L			05/02/15 15:57	1

Client Sample ID: MW-38D

Lab Sample ID: 680-112021-18

Date Collected: 04/28/15 15:51

Matrix: Water

Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone	<2.1		10	2.1	ug/L			05/02/15 15:57	1
Toluene	<0.48		1.0	0.48	ug/L			05/02/15 15:57	1
trans-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/02/15 15:57	1
1,1,2-Trichloroethane	<0.33		1.0	0.33	ug/L			05/02/15 15:57	1
Tetrachloroethene	<0.74		1.0	0.74	ug/L			05/02/15 15:57	1
2-Hexanone	<2.0		10	2.0	ug/L			05/02/15 15:57	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			05/02/15 15:57	1
1,2-Dibromoethane	<0.44		1.0	0.44	ug/L			05/02/15 15:57	1
Chlorobenzene	<0.26		1.0	0.26	ug/L			05/02/15 15:57	1
Ethylbenzene	<0.33		1.0	0.33	ug/L			05/02/15 15:57	1
Xylenes, Total	<0.23		1.0	0.23	ug/L			05/02/15 15:57	1
Styrene	<0.27		1.0	0.27	ug/L			05/02/15 15:57	1
Bromoform	<0.43		1.0	0.43	ug/L			05/02/15 15:57	1
Isopropylbenzene	<0.35		1.0	0.35	ug/L			05/02/15 15:57	1
1,1,2,2-Tetrachloroethane	<0.62		1.0	0.62	ug/L			05/02/15 15:57	1
1,3-Dichlorobenzene	<0.43		1.0	0.43	ug/L			05/02/15 15:57	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			05/02/15 15:57	1
1,2-Dichlorobenzene	<0.37		1.0	0.37	ug/L			05/02/15 15:57	1
1,2-Dibromo-3-Chloropropane	<1.1		5.0	1.1	ug/L			05/02/15 15:57	1
1,2,4-Trichlorobenzene	<2.5		5.0	2.5	ug/L			05/02/15 15:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*109*		*70 - 130*		*05/02/15 15:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*		*05/02/15 15:57*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*05/02/15 15:57*	*1*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*		*05/02/15 15:57*	*1*

Client Sample ID: MW-39D

Lab Sample ID: 680-112021-19

Date Collected: 04/28/15 12:26

Matrix: Water

Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.60		1.0	0.60	ug/L			05/02/15 16:18	1
Chloromethane	<0.40		1.0	0.40	ug/L			05/02/15 16:18	1
Vinyl chloride	<0.50		1.0	0.50	ug/L			05/02/15 16:18	1
Bromomethane	<2.5		5.0	2.5	ug/L			05/02/15 16:18	1
Chloroethane	<2.5		5.0	2.5	ug/L			05/02/15 16:18	1
Trichlorofluoromethane	<0.42		1.0	0.42	ug/L			05/02/15 16:18	1
1,1-Dichloroethene	<0.36		1.0	0.36	ug/L			05/02/15 16:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.36		1.0	0.36	ug/L			05/02/15 16:18	1
Acetone	<7.0		10	7.0	ug/L			05/02/15 16:18	1
Carbon disulfide	<1.0		2.0	1.0	ug/L			05/02/15 16:18	1
Methyl acetate	<1.8		5.0	1.8	ug/L			05/02/15 16:18	1
Methylene Chloride	<2.5		5.0	2.5	ug/L			05/02/15 16:18	1
trans-1,2-Dichloroethene	<0.37		1.0	0.37	ug/L			05/02/15 16:18	1
Methyl tert-butyl ether	<0.30		10	0.30	ug/L			05/02/15 16:18	1
1,1-Dichloroethane	<0.38		1.0	0.38	ug/L			05/02/15 16:18	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/02/15 16:18	1
2-Butanone	<3.4		10	3.4	ug/L			05/02/15 16:18	1

Client Sample ID: MW-39D

Lab Sample ID: 680-112021-19

Date Collected: 04/28/15 12:26

Matrix: Water

Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	<0.50		1.0	0.50	ug/L			05/02/15 16:18	1
1,1,1-Trichloroethane	<0.37		1.0	0.37	ug/L			05/02/15 16:18	1
Cyclohexane	<0.39		1.0	0.39	ug/L			05/02/15 16:18	1
Carbon tetrachloride	<0.33		1.0	0.33	ug/L			05/02/15 16:18	1
Benzene	<0.43		1.0	0.43	ug/L			05/02/15 16:18	1
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			05/02/15 16:18	1
Trichloroethene	<0.48		1.0	0.48	ug/L			05/02/15 16:18	1
Methylcyclohexane	<0.43		1.0	0.43	ug/L			05/02/15 16:18	1
1,2-Dichloropropane	<0.67		1.0	0.67	ug/L			05/02/15 16:18	1
Bromodichloromethane	<0.44		1.0	0.44	ug/L			05/02/15 16:18	1
cis-1,3-Dichloropropene	<0.40		1.0	0.40	ug/L			05/02/15 16:18	1
4-Methyl-2-pentanone	<2.1		10	2.1	ug/L			05/02/15 16:18	1
Toluene	<0.48		1.0	0.48	ug/L			05/02/15 16:18	1
trans-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/02/15 16:18	1
1,1,2-Trichloroethane	<0.33		1.0	0.33	ug/L			05/02/15 16:18	1
Tetrachloroethene	<0.74		1.0	0.74	ug/L			05/02/15 16:18	1
2-Hexanone	<2.0		10	2.0	ug/L			05/02/15 16:18	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			05/02/15 16:18	1
1,2-Dibromoethane	<0.44		1.0	0.44	ug/L			05/02/15 16:18	1
Chlorobenzene	<0.26		1.0	0.26	ug/L			05/02/15 16:18	1
Ethylbenzene	<0.33		1.0	0.33	ug/L			05/02/15 16:18	1
Xylenes, Total	<0.23		1.0	0.23	ug/L			05/02/15 16:18	1
Styrene	<0.27		1.0	0.27	ug/L			05/02/15 16:18	1
Bromoform	<0.43		1.0	0.43	ug/L			05/02/15 16:18	1
Isopropylbenzene	<0.35		1.0	0.35	ug/L			05/02/15 16:18	1
1,1,2,2-Tetrachloroethane	<0.62		1.0	0.62	ug/L			05/02/15 16:18	1
1,3-Dichlorobenzene	<0.43		1.0	0.43	ug/L			05/02/15 16:18	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			05/02/15 16:18	1
1,2-Dichlorobenzene	<0.37		1.0	0.37	ug/L			05/02/15 16:18	1
1,2-Dibromo-3-Chloropropane	<1.1		5.0	1.1	ug/L			05/02/15 16:18	1
1,2,4-Trichlorobenzene	<2.5		5.0	2.5	ug/L			05/02/15 16:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*110*		*70 - 130*		*05/02/15 16:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*		*05/02/15 16:18*	*1*
Dibromofluoromethane (Surr)	*98*		*70 - 130*		*05/02/15 16:18*	*1*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*		*05/02/15 16:18*	*1*

Client Sample ID: MW-40S

Lab Sample ID: 680-112021-20

Date Collected: 04/27/15 18:17

Matrix: Water

Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<30		50	30	ug/L			05/03/15 16:35	50
Chloromethane	<20		50	20	ug/L			05/03/15 16:35	50
Vinyl chloride	<25		50	25	ug/L			05/03/15 16:35	50
Bromomethane	<130		250	130	ug/L			05/03/15 16:35	50
Chloroethane	<130		250	130	ug/L			05/03/15 16:35	50
Trichlorofluoromethane	<21		50	21	ug/L			05/03/15 16:35	50

Client Sample ID: MW-40S
Date Collected: 04/27/15 18:17
Date Received: 04/29/15 13:53

Lab Sample ID: 680-112021-20
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	<18		50	18	ug/L			05/03/15 16:35	50
1,1,2-Trichloro-1,2,2-trifluoroethane	<18		50	18	ug/L			05/03/15 16:35	50
Acetone	<350		500	350	ug/L			05/03/15 16:35	50
Carbon disulfide	<50		100	50	ug/L			05/03/15 16:35	50
Methyl acetate	<90		250	90	ug/L			05/03/15 16:35	50
Methylene Chloride	<130		250	130	ug/L			05/03/15 16:35	50
trans-1,2-Dichloroethene	<19		50	19	ug/L			05/03/15 16:35	50
Methyl tert-butyl ether	<15		500	15	ug/L			05/03/15 16:35	50
1,1-Dichloroethane	**22**	**J**	50	19	ug/L			05/03/15 16:35	50
cis-1,2-Dichloroethene	**5300**		50	21	ug/L			05/03/15 16:35	50
2-Butanone	<170		500	170	ug/L			05/03/15 16:35	50
Chloroform	<25		50	25	ug/L			05/03/15 16:35	50
1,1,1-Trichloroethane	<19		50	19	ug/L			05/03/15 16:35	50
Cyclohexane	<20		50	20	ug/L			05/03/15 16:35	50
Carbon tetrachloride	<17		50	17	ug/L			05/03/15 16:35	50
Benzene	<22		50	22	ug/L			05/03/15 16:35	50
1,2-Dichloroethane	<25		50	25	ug/L			05/03/15 16:35	50
Trichloroethene	**370**		50	24	ug/L			05/03/15 16:35	50
Methylcyclohexane	<22		50	22	ug/L			05/03/15 16:35	50
1,2-Dichloropropane	<34		50	34	ug/L			05/03/15 16:35	50
Bromodichloromethane	<22		50	22	ug/L			05/03/15 16:35	50
cis-1,3-Dichloropropene	<20		50	20	ug/L			05/03/15 16:35	50
4-Methyl-2-pentanone	<110		500	110	ug/L			05/03/15 16:35	50
Toluene	<24		50	24	ug/L			05/03/15 16:35	50
trans-1,3-Dichloropropene	<21		50	21	ug/L			05/03/15 16:35	50
1,1,2-Trichloroethane	<17		50	17	ug/L			05/03/15 16:35	50
Tetrachloroethene	<37		50	37	ug/L			05/03/15 16:35	50
2-Hexanone	<100		500	100	ug/L			05/03/15 16:35	50
Dibromochloromethane	<16		50	16	ug/L			05/03/15 16:35	50
1,2-Dibromoethane	<22		50	22	ug/L			05/03/15 16:35	50
Chlorobenzene	<13		50	13	ug/L			05/03/15 16:35	50
Ethylbenzene	<17		50	17	ug/L			05/03/15 16:35	50
Xylenes, Total	<12		50	12	ug/L			05/03/15 16:35	50
Styrene	<14		50	14	ug/L			05/03/15 16:35	50
Bromoform	<22		50	22	ug/L			05/03/15 16:35	50
Isopropylbenzene	<18		50	18	ug/L			05/03/15 16:35	50
1,1,2,2-Tetrachloroethane	<31		50	31	ug/L			05/03/15 16:35	50
1,3-Dichlorobenzene	<22		50	22	ug/L			05/03/15 16:35	50
1,4-Dichlorobenzene	<23		50	23	ug/L			05/03/15 16:35	50
1,2-Dichlorobenzene	<19		50	19	ug/L			05/03/15 16:35	50
1,2-Dibromo-3-Chloropropane	<55		250	55	ug/L			05/03/15 16:35	50
1,2,4-Trichlorobenzene	<130		250	130	ug/L			05/03/15 16:35	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*70 - 130*		*05/03/15 16:35*	*50*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*		*05/03/15 16:35*	*50*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*05/03/15 16:35*	*50*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*05/03/15 16:35*	*50*

Client Sample Results

Client: Environmental International Corporation
Project/Site: McKenzie Tank Lines/460002

TestAmerica Job ID: 680-112021-1

Client Sample ID: MW-41D

Date Collected: 04/27/15 16:42
Date Received: 04/29/15 13:53

Lab Sample ID: 680-112021-21

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.60		1.0	0.60	ug/L			05/03/15 15:54	1
Chloromethane	<0.40		1.0	0.40	ug/L			05/03/15 15:54	1
Vinyl chloride	<0.50		1.0	0.50	ug/L			05/03/15 15:54	1
Bromomethane	<2.5		5.0	2.5	ug/L			05/03/15 15:54	1
Chloroethane	<2.5		5.0	2.5	ug/L			05/03/15 15:54	1
Trichlorofluoromethane	<0.42		1.0	0.42	ug/L			05/03/15 15:54	1
1,1-Dichloroethene	<0.36		1.0	0.36	ug/L			05/03/15 15:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.36		1.0	0.36	ug/L			05/03/15 15:54	1
Acetone	<7.0		10	7.0	ug/L			05/03/15 15:54	1
Carbon disulfide	**2.1**		2.0	1.0	ug/L			05/03/15 15:54	1
Methyl acetate	<1.8		5.0	1.8	ug/L			05/03/15 15:54	1
Methylene Chloride	<2.5		5.0	2.5	ug/L			05/03/15 15:54	1
trans-1,2-Dichloroethene	<0.37		1.0	0.37	ug/L			05/03/15 15:54	1
Methyl tert-butyl ether	<0.30		10	0.30	ug/L			05/03/15 15:54	1
1,1-Dichloroethane	<0.38		1.0	0.38	ug/L			05/03/15 15:54	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/03/15 15:54	1
2-Butanone	<3.4		10	3.4	ug/L			05/03/15 15:54	1
Chloroform	<0.50		1.0	0.50	ug/L			05/03/15 15:54	1
1,1,1-Trichloroethane	<0.37		1.0	0.37	ug/L			05/03/15 15:54	1
Cyclohexane	<0.39		1.0	0.39	ug/L			05/03/15 15:54	1
Carbon tetrachloride	<0.33		1.0	0.33	ug/L			05/03/15 15:54	1
Benzene	<0.43		1.0	0.43	ug/L			05/03/15 15:54	1
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			05/03/15 15:54	1
Trichloroethene	<0.48		1.0	0.48	ug/L			05/03/15 15:54	1
Methylcyclohexane	<0.43		1.0	0.43	ug/L			05/03/15 15:54	1
1,2-Dichloropropane	<0.67		1.0	0.67	ug/L			05/03/15 15:54	1
Bromodichloromethane	<0.44		1.0	0.44	ug/L			05/03/15 15:54	1
cis-1,3-Dichloropropene	<0.40		1.0	0.40	ug/L			05/03/15 15:54	1
4-Methyl-2-pentanone	<2.1		10	2.1	ug/L			05/03/15 15:54	1
Toluene	<0.48		1.0	0.48	ug/L			05/03/15 15:54	1
trans-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/03/15 15:54	1
1,1,2-Trichloroethane	<0.33		1.0	0.33	ug/L			05/03/15 15:54	1
Tetrachloroethene	<0.74		1.0	0.74	ug/L			05/03/15 15:54	1
2-Hexanone	<2.0		10	2.0	ug/L			05/03/15 15:54	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			05/03/15 15:54	1
1,2-Dibromoethane	<0.44		1.0	0.44	ug/L			05/03/15 15:54	1
Chlorobenzene	<0.26		1.0	0.26	ug/L			05/03/15 15:54	1
Ethylbenzene	<0.33		1.0	0.33	ug/L			05/03/15 15:54	1
Xylenes, Total	<0.23		1.0	0.23	ug/L			05/03/15 15:54	1
Styrene	<0.27		1.0	0.27	ug/L			05/03/15 15:54	1
Bromoform	<0.43		1.0	0.43	ug/L			05/03/15 15:54	1
Isopropylbenzene	<0.35		1.0	0.35	ug/L			05/03/15 15:54	1
1,1,2,2-Tetrachloroethane	<0.62		1.0	0.62	ug/L			05/03/15 15:54	1
1,3-Dichlorobenzene	<0.43		1.0	0.43	ug/L			05/03/15 15:54	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			05/03/15 15:54	1
1,2-Dichlorobenzene	<0.37		1.0	0.37	ug/L			05/03/15 15:54	1
1,2-Dibromo-3-Chloropropane	<1.1		5.0	1.1	ug/L			05/03/15 15:54	1
1,2,4-Trichlorobenzene	<2.5		5.0	2.5	ug/L			05/03/15 15:54	1

Client Sample Results

Client: Environmental International Corporation
Project/Site: McKenzie Tank Lines/460002

TestAmerica Job ID: 680-112021-1

Client Sample ID: MW-41D

Lab Sample ID: 680-112021-21

Date Collected: 04/27/15 16:42
Matrix: Water
Date Received: 04/29/15 13:53

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*70 - 130*		*05/03/15 15:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*		*05/03/15 15:54*	*1*
Dibromofluoromethane (Surr)	*99*		*70 - 130*		*05/03/15 15:54*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*05/03/15 15:54*	*1*

Client Sample ID: MW-42S

Lab Sample ID: 680-112021-22

Date Collected: 04/27/15 16:43
Matrix: Water
Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.60		1.0	0.60	ug/L			05/02/15 16:40	1
Chloromethane	<0.40		1.0	0.40	ug/L			05/02/15 16:40	1
Vinyl chloride	<0.50		1.0	0.50	ug/L			05/02/15 16:40	1
Bromomethane	<2.5		5.0	2.5	ug/L			05/02/15 16:40	1
Chloroethane	<2.5		5.0	2.5	ug/L			05/02/15 16:40	1
Trichlorofluoromethane	<0.42		1.0	0.42	ug/L			05/02/15 16:40	1
1,1-Dichloroethene	<0.36		1.0	0.36	ug/L			05/02/15 16:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.36		1.0	0.36	ug/L			05/02/15 16:40	1
Acetone	**14**		10	7.0	ug/L			05/02/15 16:40	1
Carbon disulfide	<1.0		2.0	1.0	ug/L			05/02/15 16:40	1
Methyl acetate	<1.8		5.0	1.8	ug/L			05/02/15 16:40	1
Methylene Chloride	<2.5		5.0	2.5	ug/L			05/02/15 16:40	1
trans-1,2-Dichloroethene	<0.37		1.0	0.37	ug/L			05/02/15 16:40	1
Methyl tert-butyl ether	<0.30		10	0.30	ug/L			05/02/15 16:40	1
1,1-Dichloroethane	<0.38		1.0	0.38	ug/L			05/02/15 16:40	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/02/15 16:40	1
2-Butanone	<3.4		10	3.4	ug/L			05/02/15 16:40	1
Chloroform	<0.50		1.0	0.50	ug/L			05/02/15 16:40	1
1,1,1-Trichloroethane	<0.37		1.0	0.37	ug/L			05/02/15 16:40	1
Cyclohexane	<0.39		1.0	0.39	ug/L			05/02/15 16:40	1
Carbon tetrachloride	<0.33		1.0	0.33	ug/L			05/02/15 16:40	1
Benzene	<0.43		1.0	0.43	ug/L			05/02/15 16:40	1
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			05/02/15 16:40	1
Trichloroethene	<0.48		1.0	0.48	ug/L			05/02/15 16:40	1
Methylcyclohexane	<0.43		1.0	0.43	ug/L			05/02/15 16:40	1
1,2-Dichloropropane	<0.67		1.0	0.67	ug/L			05/02/15 16:40	1
Bromodichloromethane	<0.44		1.0	0.44	ug/L			05/02/15 16:40	1
cis-1,3-Dichloropropene	<0.40		1.0	0.40	ug/L			05/02/15 16:40	1
4-Methyl-2-pentanone	<2.1		10	2.1	ug/L			05/02/15 16:40	1
Toluene	<0.48		1.0	0.48	ug/L			05/02/15 16:40	1
trans-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/02/15 16:40	1
1,1,2-Trichloroethane	<0.33		1.0	0.33	ug/L			05/02/15 16:40	1
Tetrachloroethene	<0.74		1.0	0.74	ug/L			05/02/15 16:40	1
2-Hexanone	<2.0		10	2.0	ug/L			05/02/15 16:40	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			05/02/15 16:40	1
1,2-Dibromoethane	<0.44		1.0	0.44	ug/L			05/02/15 16:40	1
Chlorobenzene	<0.26		1.0	0.26	ug/L			05/02/15 16:40	1
Ethylbenzene	<0.33		1.0	0.33	ug/L			05/02/15 16:40	1
Xylenes, Total	<0.23		1.0	0.23	ug/L			05/02/15 16:40	1

Client Sample ID: MW-42S

Lab Sample ID: 680-112021-22

Date Collected: 04/27/15 16:43

Matrix: Water

Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	<0.27		1.0	0.27	ug/L			05/02/15 16:40	1
Bromoform	<0.43		1.0	0.43	ug/L			05/02/15 16:40	1
Isopropylbenzene	<0.35		1.0	0.35	ug/L			05/02/15 16:40	1
1,1,2,2-Tetrachloroethane	<0.62		1.0	0.62	ug/L			05/02/15 16:40	1
1,3-Dichlorobenzene	<0.43		1.0	0.43	ug/L			05/02/15 16:40	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			05/02/15 16:40	1
1,2-Dichlorobenzene	<0.37		1.0	0.37	ug/L			05/02/15 16:40	1
1,2-Dibromo-3-Chloropropane	<1.1		5.0	1.1	ug/L			05/02/15 16:40	1
1,2,4-Trichlorobenzene	<2.5		5.0	2.5	ug/L			05/02/15 16:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*107*		*70 - 130*		*05/02/15 16:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*		*05/02/15 16:40*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*05/02/15 16:40*	*1*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*		*05/02/15 16:40*	*1*

Client Sample ID: MW-43D

Lab Sample ID: 680-112021-23

Date Collected: 04/27/15 16:56

Matrix: Water

Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.60		1.0	0.60	ug/L			05/02/15 17:01	1
Chloromethane	<0.40		1.0	0.40	ug/L			05/02/15 17:01	1
Vinyl chloride	<0.50		1.0	0.50	ug/L			05/02/15 17:01	1
Bromomethane	<2.5		5.0	2.5	ug/L			05/02/15 17:01	1
Chloroethane	<2.5		5.0	2.5	ug/L			05/02/15 17:01	1
Trichlorofluoromethane	<0.42		1.0	0.42	ug/L			05/02/15 17:01	1
1,1-Dichloroethene	<0.36		1.0	0.36	ug/L			05/02/15 17:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.36		1.0	0.36	ug/L			05/02/15 17:01	1
Acetone	<7.0		10	7.0	ug/L			05/02/15 17:01	1
Carbon disulfide	<1.0		2.0	1.0	ug/L			05/02/15 17:01	1
Methyl acetate	<1.8		5.0	1.8	ug/L			05/02/15 17:01	1
Methylene Chloride	<2.5		5.0	2.5	ug/L			05/02/15 17:01	1
trans-1,2-Dichloroethene	<0.37		1.0	0.37	ug/L			05/02/15 17:01	1
Methyl tert-butyl ether	<0.30		10	0.30	ug/L			05/02/15 17:01	1
1,1-Dichloroethane	<0.38		1.0	0.38	ug/L			05/02/15 17:01	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/02/15 17:01	1
2-Butanone	<3.4		10	3.4	ug/L			05/02/15 17:01	1
Chloroform	<0.50		1.0	0.50	ug/L			05/02/15 17:01	1
1,1,1-Trichloroethane	<0.37		1.0	0.37	ug/L			05/02/15 17:01	1
Cyclohexane	<0.39		1.0	0.39	ug/L			05/02/15 17:01	1
Carbon tetrachloride	<0.33		1.0	0.33	ug/L			05/02/15 17:01	1
Benzene	<0.43		1.0	0.43	ug/L			05/02/15 17:01	1
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			05/02/15 17:01	1
Trichloroethene	<0.48		1.0	0.48	ug/L			05/02/15 17:01	1
Methylcyclohexane	<0.43		1.0	0.43	ug/L			05/02/15 17:01	1
1,2-Dichloropropane	<0.67		1.0	0.67	ug/L			05/02/15 17:01	1
Bromodichloromethane	<0.44		1.0	0.44	ug/L			05/02/15 17:01	1
cis-1,3-Dichloropropene	<0.40		1.0	0.40	ug/L			05/02/15 17:01	1

Client Sample ID: MW-43D

Lab Sample ID: 680-112021-23

Date Collected: 04/27/15 16:56

Matrix: Water

Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone	<2.1		10	2.1	ug/L			05/02/15 17:01	1
Toluene	<0.48		1.0	0.48	ug/L			05/02/15 17:01	1
trans-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/02/15 17:01	1
1,1,2-Trichloroethane	<0.33		1.0	0.33	ug/L			05/02/15 17:01	1
Tetrachloroethene	<0.74		1.0	0.74	ug/L			05/02/15 17:01	1
2-Hexanone	<2.0		10	2.0	ug/L			05/02/15 17:01	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			05/02/15 17:01	1
1,2-Dibromoethane	<0.44		1.0	0.44	ug/L			05/02/15 17:01	1
Chlorobenzene	<0.26		1.0	0.26	ug/L			05/02/15 17:01	1
Ethylbenzene	<0.33		1.0	0.33	ug/L			05/02/15 17:01	1
Xylenes, Total	<0.23		1.0	0.23	ug/L			05/02/15 17:01	1
Styrene	<0.27		1.0	0.27	ug/L			05/02/15 17:01	1
Bromoform	<0.43		1.0	0.43	ug/L			05/02/15 17:01	1
Isopropylbenzene	<0.35		1.0	0.35	ug/L			05/02/15 17:01	1
1,1,2,2-Tetrachloroethane	<0.62		1.0	0.62	ug/L			05/02/15 17:01	1
1,3-Dichlorobenzene	<0.43		1.0	0.43	ug/L			05/02/15 17:01	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			05/02/15 17:01	1
1,2-Dichlorobenzene	<0.37		1.0	0.37	ug/L			05/02/15 17:01	1
1,2-Dibromo-3-Chloropropane	<1.1		5.0	1.1	ug/L			05/02/15 17:01	1
1,2,4-Trichlorobenzene	<2.5		5.0	2.5	ug/L			05/02/15 17:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*108*		*70 - 130*		*05/02/15 17:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*		*05/02/15 17:01*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*05/02/15 17:01*	*1*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*		*05/02/15 17:01*	*1*

Client Sample ID: MW-44D

Lab Sample ID: 680-112021-24

Date Collected: 04/27/15 12:34

Matrix: Water

Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.60		1.0	0.60	ug/L			05/02/15 17:22	1
Chloromethane	<0.40		1.0	0.40	ug/L			05/02/15 17:22	1
Vinyl chloride	**0.52**	**J**	1.0	0.50	ug/L			05/02/15 17:22	1
Bromomethane	<2.5		5.0	2.5	ug/L			05/02/15 17:22	1
Chloroethane	<2.5		5.0	2.5	ug/L			05/02/15 17:22	1
Trichlorofluoromethane	<0.42		1.0	0.42	ug/L			05/02/15 17:22	1
1,1-Dichloroethene	<0.36		1.0	0.36	ug/L			05/02/15 17:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.36		1.0	0.36	ug/L			05/02/15 17:22	1
Acetone	<7.0		10	7.0	ug/L			05/02/15 17:22	1
Carbon disulfide	<1.0		2.0	1.0	ug/L			05/02/15 17:22	1
Methyl acetate	<1.8		5.0	1.8	ug/L			05/02/15 17:22	1
Methylene Chloride	<2.5		5.0	2.5	ug/L			05/02/15 17:22	1
trans-1,2-Dichloroethene	**0.78**	**J**	1.0	0.37	ug/L			05/02/15 17:22	1
Methyl tert-butyl ether	<0.30		10	0.30	ug/L			05/02/15 17:22	1
1,1-Dichloroethane	<0.38		1.0	0.38	ug/L			05/02/15 17:22	1
cis-1,2-Dichloroethene	**18**		1.0	0.41	ug/L			05/02/15 17:22	1
2-Butanone	<3.4		10	3.4	ug/L			05/02/15 17:22	1

Client Sample ID: MW-44D

Lab Sample ID: 680-112021-24

Date Collected: 04/27/15 12:34

Matrix: Water

Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	<0.50		1.0	0.50	ug/L			05/02/15 17:22	1
1,1,1-Trichloroethane	<0.37		1.0	0.37	ug/L			05/02/15 17:22	1
Cyclohexane	<0.39		1.0	0.39	ug/L			05/02/15 17:22	1
Carbon tetrachloride	<0.33		1.0	0.33	ug/L			05/02/15 17:22	1
Benzene	<0.43		1.0	0.43	ug/L			05/02/15 17:22	1
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			05/02/15 17:22	1
Trichloroethene	**11**		1.0	0.48	ug/L			05/02/15 17:22	1
Methylcyclohexane	<0.43		1.0	0.43	ug/L			05/02/15 17:22	1
1,2-Dichloropropane	<0.67		1.0	0.67	ug/L			05/02/15 17:22	1
Bromodichloromethane	<0.44		1.0	0.44	ug/L			05/02/15 17:22	1
cis-1,3-Dichloropropene	<0.40		1.0	0.40	ug/L			05/02/15 17:22	1
4-Methyl-2-pentanone	<2.1		10	2.1	ug/L			05/02/15 17:22	1
Toluene	<0.48		1.0	0.48	ug/L			05/02/15 17:22	1
trans-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/02/15 17:22	1
1,1,2-Trichloroethane	<0.33		1.0	0.33	ug/L			05/02/15 17:22	1
Tetrachloroethene	<0.74		1.0	0.74	ug/L			05/02/15 17:22	1
2-Hexanone	<2.0		10	2.0	ug/L			05/02/15 17:22	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			05/02/15 17:22	1
1,2-Dibromoethane	<0.44		1.0	0.44	ug/L			05/02/15 17:22	1
Chlorobenzene	<0.26		1.0	0.26	ug/L			05/02/15 17:22	1
Ethylbenzene	<0.33		1.0	0.33	ug/L			05/02/15 17:22	1
Xylenes, Total	<0.23		1.0	0.23	ug/L			05/02/15 17:22	1
Styrene	<0.27		1.0	0.27	ug/L			05/02/15 17:22	1
Bromoform	<0.43		1.0	0.43	ug/L			05/02/15 17:22	1
Isopropylbenzene	<0.35		1.0	0.35	ug/L			05/02/15 17:22	1
1,1,2,2-Tetrachloroethane	<0.62		1.0	0.62	ug/L			05/02/15 17:22	1
1,3-Dichlorobenzene	<0.43		1.0	0.43	ug/L			05/02/15 17:22	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			05/02/15 17:22	1
1,2-Dichlorobenzene	<0.37		1.0	0.37	ug/L			05/02/15 17:22	1
1,2-Dibromo-3-Chloropropane	<1.1		5.0	1.1	ug/L			05/02/15 17:22	1
1,2,4-Trichlorobenzene	<2.5		5.0	2.5	ug/L			05/02/15 17:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*109*		*70 - 130*		*05/02/15 17:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*		*05/02/15 17:22*	*1*
Dibromofluoromethane (Surr)	*99*		*70 - 130*		*05/02/15 17:22*	*1*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*		*05/02/15 17:22*	*1*

Client Sample ID: MW-45S

Lab Sample ID: 680-112021-25

Date Collected: 04/27/15 13:06

Matrix: Water

Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.60		1.0	0.60	ug/L			05/02/15 17:43	1
Chloromethane	<0.40		1.0	0.40	ug/L			05/02/15 17:43	1
Vinyl chloride	<0.50		1.0	0.50	ug/L			05/02/15 17:43	1
Bromomethane	<2.5		5.0	2.5	ug/L			05/02/15 17:43	1
Chloroethane	<2.5		5.0	2.5	ug/L			05/02/15 17:43	1
Trichlorofluoromethane	<0.42		1.0	0.42	ug/L			05/02/15 17:43	1

Client Sample ID: MW-45S
Date Collected: 04/27/15 13:06
Date Received: 04/29/15 13:53

Lab Sample ID: 680-112021-25
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	<0.36		1.0	0.36	ug/L			05/02/15 17:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.36		1.0	0.36	ug/L			05/02/15 17:43	1
Acetone	<7.0		10	7.0	ug/L			05/02/15 17:43	1
Carbon disulfide	<1.0		2.0	1.0	ug/L			05/02/15 17:43	1
Methyl acetate	<1.8		5.0	1.8	ug/L			05/02/15 17:43	1
Methylene Chloride	<2.5		5.0	2.5	ug/L			05/02/15 17:43	1
trans-1,2-Dichloroethene	<0.37		1.0	0.37	ug/L			05/02/15 17:43	1
Methyl tert-butyl ether	<0.30		10	0.30	ug/L			05/02/15 17:43	1
1,1-Dichloroethane	<0.38		1.0	0.38	ug/L			05/02/15 17:43	1
cis-1,2-Dichloroethene	**3.8**		1.0	0.41	ug/L			05/02/15 17:43	1
2-Butanone	<3.4		10	3.4	ug/L			05/02/15 17:43	1
Chloroform	<0.50		1.0	0.50	ug/L			05/02/15 17:43	1
1,1,1-Trichloroethane	<0.37		1.0	0.37	ug/L			05/02/15 17:43	1
Cyclohexane	<0.39		1.0	0.39	ug/L			05/02/15 17:43	1
Carbon tetrachloride	<0.33		1.0	0.33	ug/L			05/02/15 17:43	1
Benzene	<0.43		1.0	0.43	ug/L			05/02/15 17:43	1
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			05/02/15 17:43	1
Trichloroethene	<0.48		1.0	0.48	ug/L			05/02/15 17:43	1
Methylcyclohexane	<0.43		1.0	0.43	ug/L			05/02/15 17:43	1
1,2-Dichloropropane	<0.67		1.0	0.67	ug/L			05/02/15 17:43	1
Bromodichloromethane	<0.44		1.0	0.44	ug/L			05/02/15 17:43	1
cis-1,3-Dichloropropene	<0.40		1.0	0.40	ug/L			05/02/15 17:43	1
4-Methyl-2-pentanone	<2.1		10	2.1	ug/L			05/02/15 17:43	1
Toluene	<0.48		1.0	0.48	ug/L			05/02/15 17:43	1
trans-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/02/15 17:43	1
1,1,2-Trichloroethane	<0.33		1.0	0.33	ug/L			05/02/15 17:43	1
Tetrachloroethene	<0.74		1.0	0.74	ug/L			05/02/15 17:43	1
2-Hexanone	<2.0		10	2.0	ug/L			05/02/15 17:43	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			05/02/15 17:43	1
1,2-Dibromoethane	<0.44		1.0	0.44	ug/L			05/02/15 17:43	1
Chlorobenzene	<0.26		1.0	0.26	ug/L			05/02/15 17:43	1
Ethylbenzene	<0.33		1.0	0.33	ug/L			05/02/15 17:43	1
Xylenes, Total	<0.23		1.0	0.23	ug/L			05/02/15 17:43	1
Styrene	<0.27		1.0	0.27	ug/L			05/02/15 17:43	1
Bromoform	<0.43		1.0	0.43	ug/L			05/02/15 17:43	1
Isopropylbenzene	<0.35		1.0	0.35	ug/L			05/02/15 17:43	1
1,1,2,2-Tetrachloroethane	<0.62		1.0	0.62	ug/L			05/02/15 17:43	1
1,3-Dichlorobenzene	<0.43		1.0	0.43	ug/L			05/02/15 17:43	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			05/02/15 17:43	1
1,2-Dichlorobenzene	<0.37		1.0	0.37	ug/L			05/02/15 17:43	1
1,2-Dibromo-3-Chloropropane	<1.1		5.0	1.1	ug/L			05/02/15 17:43	1
1,2,4-Trichlorobenzene	<2.5		5.0	2.5	ug/L			05/02/15 17:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*108*		*70 - 130*		*05/02/15 17:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*		*05/02/15 17:43*	*1*
Dibromofluoromethane (Surr)	*99*		*70 - 130*		*05/02/15 17:43*	*1*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*		*05/02/15 17:43*	*1*

Client Sample Results

Client: Environmental International Corporation
Project/Site: McKenzie Tank Lines/460002

TestAmerica Job ID: 680-112021-1

Client Sample ID: MW-46S

Date Collected: 04/27/15 10:15
Date Received: 04/29/15 13:53

Lab Sample ID: 680-112021-26

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.60		1.0	0.60	ug/L			05/02/15 18:04	1
Chloromethane	<0.40		1.0	0.40	ug/L			05/02/15 18:04	1
Vinyl chloride	**28**		1.0	0.50	ug/L			05/02/15 18:04	1
Bromomethane	<2.5		5.0	2.5	ug/L			05/02/15 18:04	1
Chloroethane	<2.5		5.0	2.5	ug/L			05/02/15 18:04	1
Trichlorofluoromethane	<0.42		1.0	0.42	ug/L			05/02/15 18:04	1
1,1-Dichloroethene	<0.36		1.0	0.36	ug/L			05/02/15 18:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.36		1.0	0.36	ug/L			05/02/15 18:04	1
Acetone	<7.0		10	7.0	ug/L			05/02/15 18:04	1
Carbon disulfide	<1.0		2.0	1.0	ug/L			05/02/15 18:04	1
Methyl acetate	<1.8		5.0	1.8	ug/L			05/02/15 18:04	1
Methylene Chloride	<2.5		5.0	2.5	ug/L			05/02/15 18:04	1
trans-1,2-Dichloroethene	<0.37		1.0	0.37	ug/L			05/02/15 18:04	1
Methyl tert-butyl ether	<0.30		10	0.30	ug/L			05/02/15 18:04	1
1,1-Dichloroethane	<0.38		1.0	0.38	ug/L			05/02/15 18:04	1
cis-1,2-Dichloroethene	**12**		1.0	0.41	ug/L			05/02/15 18:04	1
2-Butanone	<3.4		10	3.4	ug/L			05/02/15 18:04	1
Chloroform	<0.50		1.0	0.50	ug/L			05/02/15 18:04	1
1,1,1-Trichloroethane	<0.37		1.0	0.37	ug/L			05/02/15 18:04	1
Cyclohexane	**0.66**	**J**	1.0	0.39	ug/L			05/02/15 18:04	1
Carbon tetrachloride	<0.33		1.0	0.33	ug/L			05/02/15 18:04	1
Benzene	**0.62**	**J**	1.0	0.43	ug/L			05/02/15 18:04	1
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			05/02/15 18:04	1
Trichloroethene	**0.59**	**J**	1.0	0.48	ug/L			05/02/15 18:04	1
Methylcyclohexane	<0.43		1.0	0.43	ug/L			05/02/15 18:04	1
1,2-Dichloropropane	<0.67		1.0	0.67	ug/L			05/02/15 18:04	1
Bromodichloromethane	<0.44		1.0	0.44	ug/L			05/02/15 18:04	1
cis-1,3-Dichloropropene	<0.40		1.0	0.40	ug/L			05/02/15 18:04	1
4-Methyl-2-pentanone	<2.1		10	2.1	ug/L			05/02/15 18:04	1
Toluene	<0.48		1.0	0.48	ug/L			05/02/15 18:04	1
trans-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/02/15 18:04	1
1,1,2-Trichloroethane	<0.33		1.0	0.33	ug/L			05/02/15 18:04	1
Tetrachloroethene	<0.74		1.0	0.74	ug/L			05/02/15 18:04	1
2-Hexanone	<2.0		10	2.0	ug/L			05/02/15 18:04	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			05/02/15 18:04	1
1,2-Dibromoethane	<0.44		1.0	0.44	ug/L			05/02/15 18:04	1
Chlorobenzene	<0.26		1.0	0.26	ug/L			05/02/15 18:04	1
Ethylbenzene	<0.33		1.0	0.33	ug/L			05/02/15 18:04	1
Xylenes, Total	<0.23		1.0	0.23	ug/L			05/02/15 18:04	1
Styrene	<0.27		1.0	0.27	ug/L			05/02/15 18:04	1
Bromoform	<0.43		1.0	0.43	ug/L			05/02/15 18:04	1
Isopropylbenzene	<0.35		1.0	0.35	ug/L			05/02/15 18:04	1
1,1,2,2-Tetrachloroethane	<0.62		1.0	0.62	ug/L			05/02/15 18:04	1
1,3-Dichlorobenzene	<0.43		1.0	0.43	ug/L			05/02/15 18:04	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			05/02/15 18:04	1
1,2-Dichlorobenzene	<0.37		1.0	0.37	ug/L			05/02/15 18:04	1
1,2-Dibromo-3-Chloropropane	<1.1		5.0	1.1	ug/L			05/02/15 18:04	1
1,2,4-Trichlorobenzene	<2.5		5.0	2.5	ug/L			05/02/15 18:04	1

Client Sample Results

Client: Environmental International Corporation
Project/Site: McKenzie Tank Lines/460002

TestAmerica Job ID: 680-112021-1

Client Sample ID: MW-46S

Lab Sample ID: 680-112021-26

Date Collected: 04/27/15 10:15
Matrix: Water
Date Received: 04/29/15 13:53

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*108*		*70 - 130*		*05/02/15 18:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*		*05/02/15 18:04*	*1*
Dibromofluoromethane (Surr)	*99*		*70 - 130*		*05/02/15 18:04*	*1*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*		*05/02/15 18:04*	*1*

Client Sample ID: MW-47D

Lab Sample ID: 680-112021-27

Date Collected: 04/27/15 11:36
Matrix: Water
Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.60		1.0	0.60	ug/L			05/02/15 14:14	1
Chloromethane	<0.40		1.0	0.40	ug/L			05/02/15 14:14	1
Vinyl chloride	<0.50		1.0	0.50	ug/L			05/02/15 14:14	1
Bromomethane	<2.5		5.0	2.5	ug/L			05/02/15 14:14	1
Chloroethane	<2.5		5.0	2.5	ug/L			05/02/15 14:14	1
Trichlorofluoromethane	<0.42		1.0	0.42	ug/L			05/02/15 14:14	1
1,1-Dichloroethene	<0.36		1.0	0.36	ug/L			05/02/15 14:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.36		1.0	0.36	ug/L			05/02/15 14:14	1
Acetone	<7.0		10	7.0	ug/L			05/02/15 14:14	1
Carbon disulfide	<1.0		2.0	1.0	ug/L			05/02/15 14:14	1
Methyl acetate	<1.8		5.0	1.8	ug/L			05/02/15 14:14	1
Methylene Chloride	<2.5		5.0	2.5	ug/L			05/02/15 14:14	1
trans-1,2-Dichloroethene	**1.6**		1.0	0.37	ug/L			05/02/15 14:14	1
Methyl tert-butyl ether	<0.30		10	0.30	ug/L			05/02/15 14:14	1
1,1-Dichloroethane	<0.38		1.0	0.38	ug/L			05/02/15 14:14	1
cis-1,2-Dichloroethene	**39**		1.0	0.41	ug/L			05/02/15 14:14	1
2-Butanone	<3.4		10	3.4	ug/L			05/02/15 14:14	1
Chloroform	<0.50		1.0	0.50	ug/L			05/02/15 14:14	1
1,1,1-Trichloroethane	<0.37		1.0	0.37	ug/L			05/02/15 14:14	1
Cyclohexane	<0.39		1.0	0.39	ug/L			05/02/15 14:14	1
Carbon tetrachloride	<0.33		1.0	0.33	ug/L			05/02/15 14:14	1
Benzene	<0.43		1.0	0.43	ug/L			05/02/15 14:14	1
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			05/02/15 14:14	1
Trichloroethene	**29**		1.0	0.48	ug/L			05/02/15 14:14	1
Methylcyclohexane	<0.43		1.0	0.43	ug/L			05/02/15 14:14	1
1,2-Dichloropropane	<0.67		1.0	0.67	ug/L			05/02/15 14:14	1
Bromodichloromethane	<0.44		1.0	0.44	ug/L			05/02/15 14:14	1
cis-1,3-Dichloropropene	<0.40		1.0	0.40	ug/L			05/02/15 14:14	1
4-Methyl-2-pentanone	<2.1		10	2.1	ug/L			05/02/15 14:14	1
Toluene	<0.48		1.0	0.48	ug/L			05/02/15 14:14	1
trans-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/02/15 14:14	1
1,1,2-Trichloroethane	<0.33		1.0	0.33	ug/L			05/02/15 14:14	1
Tetrachloroethene	**36**		1.0	0.74	ug/L			05/02/15 14:14	1
2-Hexanone	<2.0		10	2.0	ug/L			05/02/15 14:14	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			05/02/15 14:14	1
1,2-Dibromoethane	<0.44		1.0	0.44	ug/L			05/02/15 14:14	1
Chlorobenzene	<0.26		1.0	0.26	ug/L			05/02/15 14:14	1
Ethylbenzene	<0.33		1.0	0.33	ug/L			05/02/15 14:14	1
Xylenes, Total	<0.23		1.0	0.23	ug/L			05/02/15 14:14	1

Client Sample ID: MW-47D

Lab Sample ID: 680-112021-27

Date Collected: 04/27/15 11:36

Matrix: Water

Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	<0.27		1.0	0.27	ug/L			05/02/15 14:14	1
Bromoform	<0.43		1.0	0.43	ug/L			05/02/15 14:14	1
Isopropylbenzene	<0.35		1.0	0.35	ug/L			05/02/15 14:14	1
1,1,2,2-Tetrachloroethane	<0.62		1.0	0.62	ug/L			05/02/15 14:14	1
1,3-Dichlorobenzene	<0.43		1.0	0.43	ug/L			05/02/15 14:14	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			05/02/15 14:14	1
1,2-Dichlorobenzene	<0.37		1.0	0.37	ug/L			05/02/15 14:14	1
1,2-Dibromo-3-Chloropropane	<1.1		5.0	1.1	ug/L			05/02/15 14:14	1
1,2,4-Trichlorobenzene	<2.5		5.0	2.5	ug/L			05/02/15 14:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*105*		*70 - 130*		*05/02/15 14:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 130*		*05/02/15 14:14*	*1*
Dibromofluoromethane (Surr)	*103*		*70 - 130*		*05/02/15 14:14*	*1*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*05/02/15 14:14*	*1*

Client Sample ID: MW-48S

Lab Sample ID: 680-112021-28

Date Collected: 04/27/15 10:55

Matrix: Water

Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.60		1.0	0.60	ug/L			05/02/15 12:49	1
Chloromethane	<0.40		1.0	0.40	ug/L			05/02/15 12:49	1
Vinyl chloride	<0.50		1.0	0.50	ug/L			05/02/15 12:49	1
Bromomethane	<2.5		5.0	2.5	ug/L			05/02/15 12:49	1
Chloroethane	<2.5		5.0	2.5	ug/L			05/02/15 12:49	1
Trichlorofluoromethane	<0.42		1.0	0.42	ug/L			05/02/15 12:49	1
1,1-Dichloroethene	<0.36		1.0	0.36	ug/L			05/02/15 12:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.36		1.0	0.36	ug/L			05/02/15 12:49	1
Acetone	<7.0		10	7.0	ug/L			05/02/15 12:49	1
Carbon disulfide	<1.0		2.0	1.0	ug/L			05/02/15 12:49	1
Methyl acetate	<1.8		5.0	1.8	ug/L			05/02/15 12:49	1
Methylene Chloride	<2.5		5.0	2.5	ug/L			05/02/15 12:49	1
trans-1,2-Dichloroethene	<0.37		1.0	0.37	ug/L			05/02/15 12:49	1
Methyl tert-butyl ether	<0.30		10	0.30	ug/L			05/02/15 12:49	1
1,1-Dichloroethane	<0.38		1.0	0.38	ug/L			05/02/15 12:49	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/02/15 12:49	1
2-Butanone	<3.4		10	3.4	ug/L			05/02/15 12:49	1
Chloroform	<0.50		1.0	0.50	ug/L			05/02/15 12:49	1
1,1,1-Trichloroethane	<0.37		1.0	0.37	ug/L			05/02/15 12:49	1
Cyclohexane	<0.39		1.0	0.39	ug/L			05/02/15 12:49	1
Carbon tetrachloride	<0.33		1.0	0.33	ug/L			05/02/15 12:49	1
Benzene	<0.43		1.0	0.43	ug/L			05/02/15 12:49	1
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			05/02/15 12:49	1
Trichloroethene	<0.48		1.0	0.48	ug/L			05/02/15 12:49	1
Methylcyclohexane	<0.43		1.0	0.43	ug/L			05/02/15 12:49	1
1,2-Dichloropropane	<0.67		1.0	0.67	ug/L			05/02/15 12:49	1
Bromodichloromethane	<0.44		1.0	0.44	ug/L			05/02/15 12:49	1
cis-1,3-Dichloropropene	<0.40		1.0	0.40	ug/L			05/02/15 12:49	1

Client Sample ID: MW-48S

Lab Sample ID: 680-112021-28

Date Collected: 04/27/15 10:55

Matrix: Water

Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone	<2.1		10	2.1	ug/L			05/02/15 12:49	1
Toluene	<0.48		1.0	0.48	ug/L			05/02/15 12:49	1
trans-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/02/15 12:49	1
1,1,2-Trichloroethane	<0.33		1.0	0.33	ug/L			05/02/15 12:49	1
Tetrachloroethene	<0.74		1.0	0.74	ug/L			05/02/15 12:49	1
2-Hexanone	<2.0		10	2.0	ug/L			05/02/15 12:49	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			05/02/15 12:49	1
1,2-Dibromoethane	<0.44		1.0	0.44	ug/L			05/02/15 12:49	1
Chlorobenzene	<0.26		1.0	0.26	ug/L			05/02/15 12:49	1
Ethylbenzene	<0.33		1.0	0.33	ug/L			05/02/15 12:49	1
Xylenes, Total	<0.23		1.0	0.23	ug/L			05/02/15 12:49	1
Styrene	<0.27		1.0	0.27	ug/L			05/02/15 12:49	1
Bromoform	<0.43		1.0	0.43	ug/L			05/02/15 12:49	1
Isopropylbenzene	<0.35		1.0	0.35	ug/L			05/02/15 12:49	1
1,1,2,2-Tetrachloroethane	<0.62		1.0	0.62	ug/L			05/02/15 12:49	1
1,3-Dichlorobenzene	<0.43		1.0	0.43	ug/L			05/02/15 12:49	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			05/02/15 12:49	1
1,2-Dichlorobenzene	<0.37		1.0	0.37	ug/L			05/02/15 12:49	1
1,2-Dibromo-3-Chloropropane	<1.1		5.0	1.1	ug/L			05/02/15 12:49	1
1,2,4-Trichlorobenzene	<2.5		5.0	2.5	ug/L			05/02/15 12:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*106*		*70 - 130*		*05/02/15 12:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 130*		*05/02/15 12:49*	*1*
Dibromofluoromethane (Surr)	*102*		*70 - 130*		*05/02/15 12:49*	*1*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*05/02/15 12:49*	*1*

Client Sample ID: MW-49D

Lab Sample ID: 680-112021-29

Date Collected: 04/29/15 10:07

Matrix: Water

Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<3.0		5.0	3.0	ug/L			05/02/15 17:28	5
Chloromethane	<2.0		5.0	2.0	ug/L			05/02/15 17:28	5
Vinyl chloride	**21**		5.0	2.5	ug/L			05/02/15 17:28	5
Bromomethane	<13		25	13	ug/L			05/02/15 17:28	5
Chloroethane	<13		25	13	ug/L			05/02/15 17:28	5
Trichlorofluoromethane	<2.1		5.0	2.1	ug/L			05/02/15 17:28	5
1,1-Dichloroethene	**2.1**	**J**	5.0	1.8	ug/L			05/02/15 17:28	5
1,1,2-Trichloro-1,2,2-trifluoroethane	<1.8		5.0	1.8	ug/L			05/02/15 17:28	5
Acetone	<35		50	35	ug/L			05/02/15 17:28	5
Carbon disulfide	<5.0		10	5.0	ug/L			05/02/15 17:28	5
Methyl acetate	<9.0		25	9.0	ug/L			05/02/15 17:28	5
Methylene Chloride	<13		25	13	ug/L			05/02/15 17:28	5
trans-1,2-Dichloroethene	<1.9		5.0	1.9	ug/L			05/02/15 17:28	5
Methyl tert-butyl ether	<1.5		50	1.5	ug/L			05/02/15 17:28	5
1,1-Dichloroethane	<1.9		5.0	1.9	ug/L			05/02/15 17:28	5
cis-1,2-Dichloroethene	**450**		5.0	2.1	ug/L			05/02/15 17:28	5
2-Butanone	<17		50	17	ug/L			05/02/15 17:28	5

Client Sample ID: MW-49D

Lab Sample ID: 680-112021-29

Date Collected: 04/29/15 10:07

Matrix: Water

Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	<2.5		5.0	2.5	ug/L			05/02/15 17:28	5
1,1,1-Trichloroethane	<1.9		5.0	1.9	ug/L			05/02/15 17:28	5
Cyclohexane	<2.0		5.0	2.0	ug/L			05/02/15 17:28	5
Carbon tetrachloride	<1.7		5.0	1.7	ug/L			05/02/15 17:28	5
Benzene	<2.2		5.0	2.2	ug/L			05/02/15 17:28	5
1,2-Dichloroethane	<2.5		5.0	2.5	ug/L			05/02/15 17:28	5
Trichloroethene	**2.4**	**J**	5.0	2.4	ug/L			05/02/15 17:28	5
Methylcyclohexane	<2.2		5.0	2.2	ug/L			05/02/15 17:28	5
1,2-Dichloropropane	<3.4		5.0	3.4	ug/L			05/02/15 17:28	5
Bromodichloromethane	<2.2		5.0	2.2	ug/L			05/02/15 17:28	5
cis-1,3-Dichloropropene	<2.0		5.0	2.0	ug/L			05/02/15 17:28	5
4-Methyl-2-pentanone	<11		50	11	ug/L			05/02/15 17:28	5
Toluene	<2.4		5.0	2.4	ug/L			05/02/15 17:28	5
trans-1,3-Dichloropropene	<2.1		5.0	2.1	ug/L			05/02/15 17:28	5
1,1,2-Trichloroethane	<1.7		5.0	1.7	ug/L			05/02/15 17:28	5
Tetrachloroethene	<3.7		5.0	3.7	ug/L			05/02/15 17:28	5
2-Hexanone	<10		50	10	ug/L			05/02/15 17:28	5
Dibromochloromethane	<1.6		5.0	1.6	ug/L			05/02/15 17:28	5
1,2-Dibromoethane	<2.2		5.0	2.2	ug/L			05/02/15 17:28	5
Chlorobenzene	<1.3		5.0	1.3	ug/L			05/02/15 17:28	5
Ethylbenzene	<1.7		5.0	1.7	ug/L			05/02/15 17:28	5
Xylenes, Total	<1.2		5.0	1.2	ug/L			05/02/15 17:28	5
Styrene	<1.4		5.0	1.4	ug/L			05/02/15 17:28	5
Bromoform	<2.2		5.0	2.2	ug/L			05/02/15 17:28	5
Isopropylbenzene	<1.8		5.0	1.8	ug/L			05/02/15 17:28	5
1,1,2,2-Tetrachloroethane	<3.1		5.0	3.1	ug/L			05/02/15 17:28	5
1,3-Dichlorobenzene	<2.2		5.0	2.2	ug/L			05/02/15 17:28	5
1,4-Dichlorobenzene	<2.3		5.0	2.3	ug/L			05/02/15 17:28	5
1,2-Dichlorobenzene	<1.9		5.0	1.9	ug/L			05/02/15 17:28	5
1,2-Dibromo-3-Chloropropane	<5.5		25	5.5	ug/L			05/02/15 17:28	5
1,2,4-Trichlorobenzene	<13		25	13	ug/L			05/02/15 17:28	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*105*		*70 - 130*		*05/02/15 17:28*	*5*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 130*		*05/02/15 17:28*	*5*
Dibromofluoromethane (Surr)	*103*		*70 - 130*		*05/02/15 17:28*	*5*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*05/02/15 17:28*	*5*

Client Sample ID: MW-50S

Lab Sample ID: 680-112021-30

Date Collected: 04/29/15 10:57

Matrix: Water

Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<6.0		10	6.0	ug/L			05/02/15 17:49	10
Chloromethane	<4.0		10	4.0	ug/L			05/02/15 17:49	10
Vinyl chloride	**67**		10	5.0	ug/L			05/02/15 17:49	10
Bromomethane	<25		50	25	ug/L			05/02/15 17:49	10
Chloroethane	<25		50	25	ug/L			05/02/15 17:49	10
Trichlorofluoromethane	<4.2		10	4.2	ug/L			05/02/15 17:49	10

Client Sample ID: MW-50S

Lab Sample ID: 680-112021-30

Date Collected: 04/29/15 10:57

Matrix: Water

Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	<3.6		10	3.6	ug/L			05/02/15 17:49	10
1,1,2-Trichloro-1,2,2-trifluoroethane	<3.6		10	3.6	ug/L			05/02/15 17:49	10
Acetone	<70		100	70	ug/L			05/02/15 17:49	10
Carbon disulfide	<10		20	10	ug/L			05/02/15 17:49	10
Methyl acetate	<18		50	18	ug/L			05/02/15 17:49	10
Methylene Chloride	<25		50	25	ug/L			05/02/15 17:49	10
trans-1,2-Dichloroethene	**38**		10	3.7	ug/L			05/02/15 17:49	10
Methyl tert-butyl ether	<3.0		100	3.0	ug/L			05/02/15 17:49	10
1,1-Dichloroethane	<3.8		10	3.8	ug/L			05/02/15 17:49	10
cis-1,2-Dichloroethene	**1200**		10	4.1	ug/L			05/02/15 17:49	10
2-Butanone	<34		100	34	ug/L			05/02/15 17:49	10
Chloroform	<5.0		10	5.0	ug/L			05/02/15 17:49	10
1,1,1-Trichloroethane	<3.7		10	3.7	ug/L			05/02/15 17:49	10
Cyclohexane	<3.9		10	3.9	ug/L			05/02/15 17:49	10
Carbon tetrachloride	<3.3		10	3.3	ug/L			05/02/15 17:49	10
Benzene	<4.3		10	4.3	ug/L			05/02/15 17:49	10
1,2-Dichloroethane	<5.0		10	5.0	ug/L			05/02/15 17:49	10
Trichloroethene	**120**		10	4.8	ug/L			05/02/15 17:49	10
Methylcyclohexane	<4.3		10	4.3	ug/L			05/02/15 17:49	10
1,2-Dichloropropane	<6.7		10	6.7	ug/L			05/02/15 17:49	10
Bromodichloromethane	<4.4		10	4.4	ug/L			05/02/15 17:49	10
cis-1,3-Dichloropropene	<4.0		10	4.0	ug/L			05/02/15 17:49	10
4-Methyl-2-pentanone	<21		100	21	ug/L			05/02/15 17:49	10
Toluene	<4.8		10	4.8	ug/L			05/02/15 17:49	10
trans-1,3-Dichloropropene	<4.2		10	4.2	ug/L			05/02/15 17:49	10
1,1,2-Trichloroethane	<3.3		10	3.3	ug/L			05/02/15 17:49	10
Tetrachloroethene	**25**		10	7.4	ug/L			05/02/15 17:49	10
2-Hexanone	<20		100	20	ug/L			05/02/15 17:49	10
Dibromochloromethane	<3.2		10	3.2	ug/L			05/02/15 17:49	10
1,2-Dibromoethane	<4.4		10	4.4	ug/L			05/02/15 17:49	10
Chlorobenzene	<2.6		10	2.6	ug/L			05/02/15 17:49	10
Ethylbenzene	<3.3		10	3.3	ug/L			05/02/15 17:49	10
Xylenes, Total	<2.3		10	2.3	ug/L			05/02/15 17:49	10
Styrene	<2.7		10	2.7	ug/L			05/02/15 17:49	10
Bromoform	<4.3		10	4.3	ug/L			05/02/15 17:49	10
Isopropylbenzene	<3.5		10	3.5	ug/L			05/02/15 17:49	10
1,1,2,2-Tetrachloroethane	<6.2		10	6.2	ug/L			05/02/15 17:49	10
1,3-Dichlorobenzene	<4.3		10	4.3	ug/L			05/02/15 17:49	10
1,4-Dichlorobenzene	<4.6		10	4.6	ug/L			05/02/15 17:49	10
1,2-Dichlorobenzene	<3.7		10	3.7	ug/L			05/02/15 17:49	10
1,2-Dibromo-3-Chloropropane	<11		50	11	ug/L			05/02/15 17:49	10
1,2,4-Trichlorobenzene	<25		50	25	ug/L			05/02/15 17:49	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*106*		*70 - 130*		*05/02/15 17:49*	*10*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 130*		*05/02/15 17:49*	*10*
Dibromofluoromethane (Surr)	*104*		*70 - 130*		*05/02/15 17:49*	*10*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*05/02/15 17:49*	*10*

Client Sample Results

Client: Environmental International Corporation
Project/Site: McKenzie Tank Lines/460002

TestAmerica Job ID: 680-112021-1

Client Sample ID: MW-51D

Lab Sample ID: 680-112021-31

Date Collected: 04/29/15 11:01
Matrix: Water
Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<3.0		5.0	3.0	ug/L			05/03/15 14:11	5
Chloromethane	<2.0		5.0	2.0	ug/L			05/03/15 14:11	5
Vinyl chloride	**120**		5.0	2.5	ug/L			05/03/15 14:11	5
Bromomethane	<13		25	13	ug/L			05/03/15 14:11	5
Chloroethane	<13		25	13	ug/L			05/03/15 14:11	5
Trichlorofluoromethane	<2.1		5.0	2.1	ug/L			05/03/15 14:11	5
1,1-Dichloroethene	**2.2**	**J**	5.0	1.8	ug/L			05/03/15 14:11	5
1,1,2-Trichloro-1,2,2-trifluoroethane	<1.8		5.0	1.8	ug/L			05/03/15 14:11	5
Acetone	<35		50	35	ug/L			05/03/15 14:11	5
Carbon disulfide	<5.0		10	5.0	ug/L			05/03/15 14:11	5
Methyl acetate	<9.0		25	9.0	ug/L			05/03/15 14:11	5
Methylene Chloride	<13		25	13	ug/L			05/03/15 14:11	5
trans-1,2-Dichloroethene	<1.9		5.0	1.9	ug/L			05/03/15 14:11	5
Methyl tert-butyl ether	<1.5		50	1.5	ug/L			05/03/15 14:11	5
1,1-Dichloroethane	<1.9		5.0	1.9	ug/L			05/03/15 14:11	5
cis-1,2-Dichloroethene	**400**		5.0	2.1	ug/L			05/03/15 14:11	5
2-Butanone	<17		50	17	ug/L			05/03/15 14:11	5
Chloroform	<2.5		5.0	2.5	ug/L			05/03/15 14:11	5
1,1,1-Trichloroethane	<1.9		5.0	1.9	ug/L			05/03/15 14:11	5
Cyclohexane	<2.0		5.0	2.0	ug/L			05/03/15 14:11	5
Carbon tetrachloride	<1.7		5.0	1.7	ug/L			05/03/15 14:11	5
Benzene	<2.2		5.0	2.2	ug/L			05/03/15 14:11	5
1,2-Dichloroethane	<2.5		5.0	2.5	ug/L			05/03/15 14:11	5
Trichloroethene	<2.4		5.0	2.4	ug/L			05/03/15 14:11	5
Methylcyclohexane	<2.2		5.0	2.2	ug/L			05/03/15 14:11	5
1,2-Dichloropropane	<3.4		5.0	3.4	ug/L			05/03/15 14:11	5
Bromodichloromethane	<2.2		5.0	2.2	ug/L			05/03/15 14:11	5
cis-1,3-Dichloropropene	<2.0		5.0	2.0	ug/L			05/03/15 14:11	5
4-Methyl-2-pentanone	<11		50	11	ug/L			05/03/15 14:11	5
Toluene	<2.4		5.0	2.4	ug/L			05/03/15 14:11	5
trans-1,3-Dichloropropene	<2.1		5.0	2.1	ug/L			05/03/15 14:11	5
1,1,2-Trichloroethane	<1.7		5.0	1.7	ug/L			05/03/15 14:11	5
Tetrachloroethene	<3.7		5.0	3.7	ug/L			05/03/15 14:11	5
2-Hexanone	<10		50	10	ug/L			05/03/15 14:11	5
Dibromochloromethane	<1.6		5.0	1.6	ug/L			05/03/15 14:11	5
1,2-Dibromoethane	<2.2		5.0	2.2	ug/L			05/03/15 14:11	5
Chlorobenzene	<1.3		5.0	1.3	ug/L			05/03/15 14:11	5
Ethylbenzene	<1.7		5.0	1.7	ug/L			05/03/15 14:11	5
Xylenes, Total	<1.2		5.0	1.2	ug/L			05/03/15 14:11	5
Styrene	<1.4		5.0	1.4	ug/L			05/03/15 14:11	5
Bromoform	<2.2		5.0	2.2	ug/L			05/03/15 14:11	5
Isopropylbenzene	<1.8		5.0	1.8	ug/L			05/03/15 14:11	5
1,1,2,2-Tetrachloroethane	<3.1		5.0	3.1	ug/L			05/03/15 14:11	5
1,3-Dichlorobenzene	<2.2		5.0	2.2	ug/L			05/03/15 14:11	5
1,4-Dichlorobenzene	<2.3		5.0	2.3	ug/L			05/03/15 14:11	5
1,2-Dichlorobenzene	<1.9		5.0	1.9	ug/L			05/03/15 14:11	5
1,2-Dibromo-3-Chloropropane	<5.5		25	5.5	ug/L			05/03/15 14:11	5
1,2,4-Trichlorobenzene	<13		25	13	ug/L			05/03/15 14:11	5

Client Sample Results

Client: Environmental International Corporation
Project/Site: McKenzie Tank Lines/460002

TestAmerica Job ID: 680-112021-1

Client Sample ID: MW-51D

Lab Sample ID: 680-112021-31

Date Collected: 04/29/15 11:01
Matrix: Water
Date Received: 04/29/15 13:53

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*70 - 130*		*05/03/15 14:11*	*5*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*		*05/03/15 14:11*	*5*
Dibromofluoromethane (Surr)	*99*		*70 - 130*		*05/03/15 14:11*	*5*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*05/03/15 14:11*	*5*

Client Sample ID: MW-52D

Lab Sample ID: 680-112021-32

Date Collected: 04/28/15 18:32
Matrix: Water
Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.60		1.0	0.60	ug/L			05/04/15 17:06	1
Chloromethane	<0.40		1.0	0.40	ug/L			05/04/15 17:06	1
Vinyl chloride	<0.50		1.0	0.50	ug/L			05/04/15 17:06	1
Bromomethane	<2.5		5.0	2.5	ug/L			05/04/15 17:06	1
Chloroethane	<2.5		5.0	2.5	ug/L			05/04/15 17:06	1
Trichlorofluoromethane	<0.42		1.0	0.42	ug/L			05/04/15 17:06	1
1,1-Dichloroethene	<0.36		1.0	0.36	ug/L			05/04/15 17:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.36		1.0	0.36	ug/L			05/04/15 17:06	1
Acetone	<7.0		10	7.0	ug/L			05/04/15 17:06	1
Carbon disulfide	<1.0		2.0	1.0	ug/L			05/04/15 17:06	1
Methyl acetate	<1.8		5.0	1.8	ug/L			05/04/15 17:06	1
Methylene Chloride	<2.5		5.0	2.5	ug/L			05/04/15 17:06	1
trans-1,2-Dichloroethene	<0.37		1.0	0.37	ug/L			05/04/15 17:06	1
Methyl tert-butyl ether	<0.30		10	0.30	ug/L			05/04/15 17:06	1
1,1-Dichloroethane	<0.38		1.0	0.38	ug/L			05/04/15 17:06	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/04/15 17:06	1
2-Butanone	<3.4		10	3.4	ug/L			05/04/15 17:06	1
Chloroform	<0.50		1.0	0.50	ug/L			05/04/15 17:06	1
1,1,1-Trichloroethane	<0.37		1.0	0.37	ug/L			05/04/15 17:06	1
Cyclohexane	<0.39		1.0	0.39	ug/L			05/04/15 17:06	1
Carbon tetrachloride	<0.33		1.0	0.33	ug/L			05/04/15 17:06	1
Benzene	<0.43		1.0	0.43	ug/L			05/04/15 17:06	1
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			05/04/15 17:06	1
Trichloroethene	<0.48		1.0	0.48	ug/L			05/04/15 17:06	1
Methylcyclohexane	<0.43		1.0	0.43	ug/L			05/04/15 17:06	1
1,2-Dichloropropane	<0.67		1.0	0.67	ug/L			05/04/15 17:06	1
Bromodichloromethane	<0.44		1.0	0.44	ug/L			05/04/15 17:06	1
cis-1,3-Dichloropropene	<0.40		1.0	0.40	ug/L			05/04/15 17:06	1
4-Methyl-2-pentanone	<2.1		10	2.1	ug/L			05/04/15 17:06	1
Toluene	<0.48		1.0	0.48	ug/L			05/04/15 17:06	1
trans-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/04/15 17:06	1
1,1,2-Trichloroethane	<0.33		1.0	0.33	ug/L			05/04/15 17:06	1
Tetrachloroethene	<0.74		1.0	0.74	ug/L			05/04/15 17:06	1
2-Hexanone	<2.0		10	2.0	ug/L			05/04/15 17:06	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			05/04/15 17:06	1
1,2-Dibromoethane	<0.44		1.0	0.44	ug/L			05/04/15 17:06	1
Chlorobenzene	<0.26		1.0	0.26	ug/L			05/04/15 17:06	1
Ethylbenzene	<0.33		1.0	0.33	ug/L			05/04/15 17:06	1
Xylenes, Total	<0.23		1.0	0.23	ug/L			05/04/15 17:06	1

Client Sample ID: MW-52D

Lab Sample ID: 680-112021-32

Date Collected: 04/28/15 18:32

Matrix: Water

Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	<0.27		1.0	0.27	ug/L			05/04/15 17:06	1
Bromoform	<0.43		1.0	0.43	ug/L			05/04/15 17:06	1
Isopropylbenzene	<0.35		1.0	0.35	ug/L			05/04/15 17:06	1
1,1,2,2-Tetrachloroethane	<0.62		1.0	0.62	ug/L			05/04/15 17:06	1
1,3-Dichlorobenzene	<0.43		1.0	0.43	ug/L			05/04/15 17:06	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			05/04/15 17:06	1
1,2-Dichlorobenzene	<0.37		1.0	0.37	ug/L			05/04/15 17:06	1
1,2-Dibromo-3-Chloropropane	<1.1		5.0	1.1	ug/L			05/04/15 17:06	1
1,2,4-Trichlorobenzene	<2.5		5.0	2.5	ug/L			05/04/15 17:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*105*		*70 - 130*		*05/04/15 17:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*70 - 130*		*05/04/15 17:06*	*1*
Dibromofluoromethane (Surr)	*106*		*70 - 130*		*05/04/15 17:06*	*1*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*05/04/15 17:06*	*1*

Client Sample ID: MW-53D

Lab Sample ID: 680-112021-33

Date Collected: 04/29/15 11:52

Matrix: Water

Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.60		1.0	0.60	ug/L			05/02/15 12:06	1
Chloromethane	<0.40		1.0	0.40	ug/L			05/02/15 12:06	1
Vinyl chloride	<0.50		1.0	0.50	ug/L			05/02/15 12:06	1
Bromomethane	<2.5		5.0	2.5	ug/L			05/02/15 12:06	1
Chloroethane	<2.5		5.0	2.5	ug/L			05/02/15 12:06	1
Trichlorofluoromethane	<0.42		1.0	0.42	ug/L			05/02/15 12:06	1
1,1-Dichloroethene	<0.36		1.0	0.36	ug/L			05/02/15 12:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.36		1.0	0.36	ug/L			05/02/15 12:06	1
Acetone	<7.0		10	7.0	ug/L			05/02/15 12:06	1
Carbon disulfide	<1.0		2.0	1.0	ug/L			05/02/15 12:06	1
Methyl acetate	<1.8		5.0	1.8	ug/L			05/02/15 12:06	1
Methylene Chloride	<2.5		5.0	2.5	ug/L			05/02/15 12:06	1
trans-1,2-Dichloroethene	<0.37		1.0	0.37	ug/L			05/02/15 12:06	1
Methyl tert-butyl ether	<0.30		10	0.30	ug/L			05/02/15 12:06	1
1,1-Dichloroethane	<0.38		1.0	0.38	ug/L			05/02/15 12:06	1
cis-1,2-Dichloroethene	**2.9**		1.0	0.41	ug/L			05/02/15 12:06	1
2-Butanone	<3.4		10	3.4	ug/L			05/02/15 12:06	1
Chloroform	<0.50		1.0	0.50	ug/L			05/02/15 12:06	1
1,1,1-Trichloroethane	<0.37		1.0	0.37	ug/L			05/02/15 12:06	1
Cyclohexane	<0.39		1.0	0.39	ug/L			05/02/15 12:06	1
Carbon tetrachloride	<0.33		1.0	0.33	ug/L			05/02/15 12:06	1
Benzene	<0.43		1.0	0.43	ug/L			05/02/15 12:06	1
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			05/02/15 12:06	1
Trichloroethene	<0.48		1.0	0.48	ug/L			05/02/15 12:06	1
Methylcyclohexane	<0.43		1.0	0.43	ug/L			05/02/15 12:06	1
1,2-Dichloropropane	<0.67		1.0	0.67	ug/L			05/02/15 12:06	1
Bromodichloromethane	<0.44		1.0	0.44	ug/L			05/02/15 12:06	1
cis-1,3-Dichloropropene	<0.40		1.0	0.40	ug/L			05/02/15 12:06	1

Client Sample ID: MW-53D

Lab Sample ID: 680-112021-33

Date Collected: 04/29/15 11:52

Matrix: Water

Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone	<2.1		10	2.1	ug/L			05/02/15 12:06	1
Toluene	<0.48		1.0	0.48	ug/L			05/02/15 12:06	1
trans-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/02/15 12:06	1
1,1,2-Trichloroethane	<0.33		1.0	0.33	ug/L			05/02/15 12:06	1
Tetrachloroethene	<0.74		1.0	0.74	ug/L			05/02/15 12:06	1
2-Hexanone	<2.0		10	2.0	ug/L			05/02/15 12:06	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			05/02/15 12:06	1
1,2-Dibromoethane	<0.44		1.0	0.44	ug/L			05/02/15 12:06	1
Chlorobenzene	<0.26		1.0	0.26	ug/L			05/02/15 12:06	1
Ethylbenzene	<0.33		1.0	0.33	ug/L			05/02/15 12:06	1
Xylenes, Total	<0.23		1.0	0.23	ug/L			05/02/15 12:06	1
Styrene	<0.27		1.0	0.27	ug/L			05/02/15 12:06	1
Bromoform	<0.43		1.0	0.43	ug/L			05/02/15 12:06	1
Isopropylbenzene	<0.35		1.0	0.35	ug/L			05/02/15 12:06	1
1,1,2,2-Tetrachloroethane	<0.62		1.0	0.62	ug/L			05/02/15 12:06	1
1,3-Dichlorobenzene	<0.43		1.0	0.43	ug/L			05/02/15 12:06	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			05/02/15 12:06	1
1,2-Dichlorobenzene	<0.37		1.0	0.37	ug/L			05/02/15 12:06	1
1,2-Dibromo-3-Chloropropane	<1.1		5.0	1.1	ug/L			05/02/15 12:06	1
1,2,4-Trichlorobenzene	<2.5		5.0	2.5	ug/L			05/02/15 12:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*107*		*70 - 130*		*05/02/15 12:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 130*		*05/02/15 12:06*	*1*
Dibromofluoromethane (Surr)	*102*		*70 - 130*		*05/02/15 12:06*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*05/02/15 12:06*	*1*

Client Sample ID: MW-54D

Lab Sample ID: 680-112021-34

Date Collected: 04/29/15 09:10

Matrix: Water

Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.60		1.0	0.60	ug/L			05/02/15 12:27	1
Chloromethane	<0.40		1.0	0.40	ug/L			05/02/15 12:27	1
Vinyl chloride	**12**		1.0	0.50	ug/L			05/02/15 12:27	1
Bromomethane	<2.5		5.0	2.5	ug/L			05/02/15 12:27	1
Chloroethane	<2.5		5.0	2.5	ug/L			05/02/15 12:27	1
Trichlorofluoromethane	<0.42		1.0	0.42	ug/L			05/02/15 12:27	1
1,1-Dichloroethene	<0.36		1.0	0.36	ug/L			05/02/15 12:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.36		1.0	0.36	ug/L			05/02/15 12:27	1
Acetone	<7.0		10	7.0	ug/L			05/02/15 12:27	1
Carbon disulfide	<1.0		2.0	1.0	ug/L			05/02/15 12:27	1
Methyl acetate	<1.8		5.0	1.8	ug/L			05/02/15 12:27	1
Methylene Chloride	<2.5		5.0	2.5	ug/L			05/02/15 12:27	1
trans-1,2-Dichloroethene	<0.37		1.0	0.37	ug/L			05/02/15 12:27	1
Methyl tert-butyl ether	<0.30		10	0.30	ug/L			05/02/15 12:27	1
1,1-Dichloroethane	<0.38		1.0	0.38	ug/L			05/02/15 12:27	1
cis-1,2-Dichloroethene	**8.0**		1.0	0.41	ug/L			05/02/15 12:27	1
2-Butanone	<3.4		10	3.4	ug/L			05/02/15 12:27	1

Client Sample ID: MW-54D

Lab Sample ID: 680-112021-34

Date Collected: 04/29/15 09:10

Matrix: Water

Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	<0.50		1.0	0.50	ug/L			05/02/15 12:27	1
1,1,1-Trichloroethane	<0.37		1.0	0.37	ug/L			05/02/15 12:27	1
Cyclohexane	<0.39		1.0	0.39	ug/L			05/02/15 12:27	1
Carbon tetrachloride	<0.33		1.0	0.33	ug/L			05/02/15 12:27	1
Benzene	<0.43		1.0	0.43	ug/L			05/02/15 12:27	1
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			05/02/15 12:27	1
Trichloroethene	<0.48		1.0	0.48	ug/L			05/02/15 12:27	1
Methylcyclohexane	<0.43		1.0	0.43	ug/L			05/02/15 12:27	1
1,2-Dichloropropane	<0.67		1.0	0.67	ug/L			05/02/15 12:27	1
Bromodichloromethane	<0.44		1.0	0.44	ug/L			05/02/15 12:27	1
cis-1,3-Dichloropropene	<0.40		1.0	0.40	ug/L			05/02/15 12:27	1
4-Methyl-2-pentanone	<2.1		10	2.1	ug/L			05/02/15 12:27	1
Toluene	<0.48		1.0	0.48	ug/L			05/02/15 12:27	1
trans-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/02/15 12:27	1
1,1,2-Trichloroethane	<0.33		1.0	0.33	ug/L			05/02/15 12:27	1
Tetrachloroethene	<0.74		1.0	0.74	ug/L			05/02/15 12:27	1
2-Hexanone	<2.0		10	2.0	ug/L			05/02/15 12:27	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			05/02/15 12:27	1
1,2-Dibromoethane	<0.44		1.0	0.44	ug/L			05/02/15 12:27	1
Chlorobenzene	<0.26		1.0	0.26	ug/L			05/02/15 12:27	1
Ethylbenzene	<0.33		1.0	0.33	ug/L			05/02/15 12:27	1
Xylenes, Total	<0.23		1.0	0.23	ug/L			05/02/15 12:27	1
Styrene	<0.27		1.0	0.27	ug/L			05/02/15 12:27	1
Bromoform	<0.43		1.0	0.43	ug/L			05/02/15 12:27	1
Isopropylbenzene	<0.35		1.0	0.35	ug/L			05/02/15 12:27	1
1,1,2,2-Tetrachloroethane	<0.62		1.0	0.62	ug/L			05/02/15 12:27	1
1,3-Dichlorobenzene	<0.43		1.0	0.43	ug/L			05/02/15 12:27	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			05/02/15 12:27	1
1,2-Dichlorobenzene	<0.37		1.0	0.37	ug/L			05/02/15 12:27	1
1,2-Dibromo-3-Chloropropane	<1.1		5.0	1.1	ug/L			05/02/15 12:27	1
1,2,4-Trichlorobenzene	<2.5		5.0	2.5	ug/L			05/02/15 12:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*70 - 130*		*05/02/15 12:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 130*		*05/02/15 12:27*	*1*
Dibromofluoromethane (Surr)	*103*		*70 - 130*		*05/02/15 12:27*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*05/02/15 12:27*	*1*

Client Sample ID: MW-55D

Lab Sample ID: 680-112021-35

Date Collected: 04/29/15 10:15

Matrix: Water

Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<6.0		10	6.0	ug/L			05/03/15 14:52	10
Chloromethane	<4.0		10	4.0	ug/L			05/03/15 14:52	10
Vinyl chloride	**140**		10	5.0	ug/L			05/03/15 14:52	10
Bromomethane	<25		50	25	ug/L			05/03/15 14:52	10
Chloroethane	<25		50	25	ug/L			05/03/15 14:52	10
Trichlorofluoromethane	<4.2		10	4.2	ug/L			05/03/15 14:52	10

Client Sample ID: MW-55D

Date Collected: 04/29/15 10:15
Date Received: 04/29/15 13:53

Lab Sample ID: 680-112021-35

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	<3.6		10	3.6	ug/L			05/03/15 14:52	10
1,1,2-Trichloro-1,2,2-trifluoroethane	<3.6		10	3.6	ug/L			05/03/15 14:52	10
Acetone	<70		100	70	ug/L			05/03/15 14:52	10
Carbon disulfide	<10		20	10	ug/L			05/03/15 14:52	10
Methyl acetate	<18		50	18	ug/L			05/03/15 14:52	10
Methylene Chloride	<25		50	25	ug/L			05/03/15 14:52	10
trans-1,2-Dichloroethene	**4.9**	**J**	10	3.7	ug/L			05/03/15 14:52	10
Methyl tert-butyl ether	<3.0		100	3.0	ug/L			05/03/15 14:52	10
1,1-Dichloroethane	<3.8		10	3.8	ug/L			05/03/15 14:52	10
cis-1,2-Dichloroethene	**1600**		10	4.1	ug/L			05/03/15 14:52	10
2-Butanone	<34		100	34	ug/L			05/03/15 14:52	10
Chloroform	<5.0		10	5.0	ug/L			05/03/15 14:52	10
1,1,1-Trichloroethane	<3.7		10	3.7	ug/L			05/03/15 14:52	10
Cyclohexane	<3.9		10	3.9	ug/L			05/03/15 14:52	10
Carbon tetrachloride	<3.3		10	3.3	ug/L			05/03/15 14:52	10
Benzene	<4.3		10	4.3	ug/L			05/03/15 14:52	10
1,2-Dichloroethane	<5.0		10	5.0	ug/L			05/03/15 14:52	10
Trichloroethene	<4.8		10	4.8	ug/L			05/03/15 14:52	10
Methylcyclohexane	<4.3		10	4.3	ug/L			05/03/15 14:52	10
1,2-Dichloropropane	<6.7		10	6.7	ug/L			05/03/15 14:52	10
Bromodichloromethane	<4.4		10	4.4	ug/L			05/03/15 14:52	10
cis-1,3-Dichloropropene	<4.0		10	4.0	ug/L			05/03/15 14:52	10
4-Methyl-2-pentanone	<21		100	21	ug/L			05/03/15 14:52	10
Toluene	<4.8		10	4.8	ug/L			05/03/15 14:52	10
trans-1,3-Dichloropropene	<4.2		10	4.2	ug/L			05/03/15 14:52	10
1,1,2-Trichloroethane	<3.3		10	3.3	ug/L			05/03/15 14:52	10
Tetrachloroethene	<7.4		10	7.4	ug/L			05/03/15 14:52	10
2-Hexanone	<20		100	20	ug/L			05/03/15 14:52	10
Dibromochloromethane	<3.2		10	3.2	ug/L			05/03/15 14:52	10
1,2-Dibromoethane	<4.4		10	4.4	ug/L			05/03/15 14:52	10
Chlorobenzene	<2.6		10	2.6	ug/L			05/03/15 14:52	10
Ethylbenzene	<3.3		10	3.3	ug/L			05/03/15 14:52	10
Xylenes, Total	<2.3		10	2.3	ug/L			05/03/15 14:52	10
Styrene	<2.7		10	2.7	ug/L			05/03/15 14:52	10
Bromoform	<4.3		10	4.3	ug/L			05/03/15 14:52	10
Isopropylbenzene	<3.5		10	3.5	ug/L			05/03/15 14:52	10
1,1,2,2-Tetrachloroethane	<6.2		10	6.2	ug/L			05/03/15 14:52	10
1,3-Dichlorobenzene	<4.3		10	4.3	ug/L			05/03/15 14:52	10
1,4-Dichlorobenzene	<4.6		10	4.6	ug/L			05/03/15 14:52	10
1,2-Dichlorobenzene	<3.7		10	3.7	ug/L			05/03/15 14:52	10
1,2-Dibromo-3-Chloropropane	<11		50	11	ug/L			05/03/15 14:52	10
1,2,4-Trichlorobenzene	<25		50	25	ug/L			05/03/15 14:52	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*70 - 130*		*05/03/15 14:52*	*10*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*		*05/03/15 14:52*	*10*
Dibromofluoromethane (Surr)	*97*		*70 - 130*		*05/03/15 14:52*	*10*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*05/03/15 14:52*	*10*

Client: Environmental International Corporation
Project/Site: McKenzie Tank Lines/460002

TestAmerica Job ID: 680-112021-1

Client Sample ID: MW-56D
Date Collected: 04/29/15 09:03
Date Received: 04/29/15 13:53

Lab Sample ID: 680-112021-36
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.60		1.0	0.60	ug/L			05/04/15 16:44	1
Chloromethane	<0.40		1.0	0.40	ug/L			05/04/15 16:44	1
Vinyl chloride	<0.50		1.0	0.50	ug/L			05/04/15 16:44	1
Bromomethane	<2.5		5.0	2.5	ug/L			05/04/15 16:44	1
Chloroethane	<2.5		5.0	2.5	ug/L			05/04/15 16:44	1
Trichlorofluoromethane	<0.42		1.0	0.42	ug/L			05/04/15 16:44	1
1,1-Dichloroethene	<0.36		1.0	0.36	ug/L			05/04/15 16:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.36		1.0	0.36	ug/L			05/04/15 16:44	1
Acetone	<7.0		10	7.0	ug/L			05/04/15 16:44	1
Carbon disulfide	<1.0		2.0	1.0	ug/L			05/04/15 16:44	1
Methyl acetate	<1.8		5.0	1.8	ug/L			05/04/15 16:44	1
Methylene Chloride	<2.5		5.0	2.5	ug/L			05/04/15 16:44	1
trans-1,2-Dichloroethene	<0.37		1.0	0.37	ug/L			05/04/15 16:44	1
Methyl tert-butyl ether	<0.30		10	0.30	ug/L			05/04/15 16:44	1
1,1-Dichloroethane	<0.38		1.0	0.38	ug/L			05/04/15 16:44	1
cis-1,2-Dichloroethene	**1.7**		1.0	0.41	ug/L			05/04/15 16:44	1
2-Butanone	**6.4**	**J**	10	3.4	ug/L			05/04/15 16:44	1
Chloroform	<0.50		1.0	0.50	ug/L			05/04/15 16:44	1
1,1,1-Trichloroethane	<0.37		1.0	0.37	ug/L			05/04/15 16:44	1
Cyclohexane	<0.39		1.0	0.39	ug/L			05/04/15 16:44	1
Carbon tetrachloride	<0.33		1.0	0.33	ug/L			05/04/15 16:44	1
Benzene	<0.43		1.0	0.43	ug/L			05/04/15 16:44	1
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			05/04/15 16:44	1
Trichloroethene	<0.48		1.0	0.48	ug/L			05/04/15 16:44	1
Methylcyclohexane	<0.43		1.0	0.43	ug/L			05/04/15 16:44	1
1,2-Dichloropropane	<0.67		1.0	0.67	ug/L			05/04/15 16:44	1
Bromodichloromethane	<0.44		1.0	0.44	ug/L			05/04/15 16:44	1
cis-1,3-Dichloropropene	<0.40		1.0	0.40	ug/L			05/04/15 16:44	1
4-Methyl-2-pentanone	<2.1		10	2.1	ug/L			05/04/15 16:44	1
Toluene	<0.48		1.0	0.48	ug/L			05/04/15 16:44	1
trans-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/04/15 16:44	1
1,1,2-Trichloroethane	<0.33		1.0	0.33	ug/L			05/04/15 16:44	1
Tetrachloroethene	<0.74		1.0	0.74	ug/L			05/04/15 16:44	1
2-Hexanone	<2.0		10	2.0	ug/L			05/04/15 16:44	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			05/04/15 16:44	1
1,2-Dibromoethane	<0.44		1.0	0.44	ug/L			05/04/15 16:44	1
Chlorobenzene	<0.26		1.0	0.26	ug/L			05/04/15 16:44	1
Ethylbenzene	<0.33		1.0	0.33	ug/L			05/04/15 16:44	1
Xylenes, Total	<0.23		1.0	0.23	ug/L			05/04/15 16:44	1
Styrene	<0.27		1.0	0.27	ug/L			05/04/15 16:44	1
Bromoform	<0.43		1.0	0.43	ug/L			05/04/15 16:44	1
Isopropylbenzene	<0.35		1.0	0.35	ug/L			05/04/15 16:44	1
1,1,2,2-Tetrachloroethane	<0.62		1.0	0.62	ug/L			05/04/15 16:44	1
1,3-Dichlorobenzene	<0.43		1.0	0.43	ug/L			05/04/15 16:44	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			05/04/15 16:44	1
1,2-Dichlorobenzene	<0.37		1.0	0.37	ug/L			05/04/15 16:44	1
1,2-Dibromo-3-Chloropropane	<1.1		5.0	1.1	ug/L			05/04/15 16:44	1
1,2,4-Trichlorobenzene	<2.5		5.0	2.5	ug/L			05/04/15 16:44	1

Client Sample Results

Client: Environmental International Corporation
Project/Site: McKenzie Tank Lines/460002

TestAmerica Job ID: 680-112021-1

Client Sample ID: MW-56D

Lab Sample ID: 680-112021-36

Date Collected: 04/29/15 09:03
Matrix: Water
Date Received: 04/29/15 13:53

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*106*		*70 - 130*		*05/04/15 16:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*70 - 130*		*05/04/15 16:44*	*1*
Dibromofluoromethane (Surr)	*104*		*70 - 130*		*05/04/15 16:44*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*05/04/15 16:44*	*1*

Client Sample ID: MW-U2

Lab Sample ID: 680-112021-37

Date Collected: 04/28/15 17:39
Matrix: Water
Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.60		1.0	0.60	ug/L			05/02/15 13:10	1
Chloromethane	<0.40		1.0	0.40	ug/L			05/02/15 13:10	1
Vinyl chloride	<0.50		1.0	0.50	ug/L			05/02/15 13:10	1
Bromomethane	<2.5		5.0	2.5	ug/L			05/02/15 13:10	1
Chloroethane	<2.5		5.0	2.5	ug/L			05/02/15 13:10	1
Trichlorofluoromethane	<0.42		1.0	0.42	ug/L			05/02/15 13:10	1
1,1-Dichloroethene	<0.36		1.0	0.36	ug/L			05/02/15 13:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.36		1.0	0.36	ug/L			05/02/15 13:10	1
Acetone	<7.0		10	7.0	ug/L			05/02/15 13:10	1
Carbon disulfide	<1.0		2.0	1.0	ug/L			05/02/15 13:10	1
Methyl acetate	<1.8		5.0	1.8	ug/L			05/02/15 13:10	1
Methylene Chloride	<2.5		5.0	2.5	ug/L			05/02/15 13:10	1
trans-1,2-Dichloroethene	<0.37		1.0	0.37	ug/L			05/02/15 13:10	1
Methyl tert-butyl ether	<0.30		10	0.30	ug/L			05/02/15 13:10	1
1,1-Dichloroethane	<0.38		1.0	0.38	ug/L			05/02/15 13:10	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/02/15 13:10	1
2-Butanone	<3.4		10	3.4	ug/L			05/02/15 13:10	1
Chloroform	<0.50		1.0	0.50	ug/L			05/02/15 13:10	1
1,1,1-Trichloroethane	<0.37		1.0	0.37	ug/L			05/02/15 13:10	1
Cyclohexane	<0.39		1.0	0.39	ug/L			05/02/15 13:10	1
Carbon tetrachloride	<0.33		1.0	0.33	ug/L			05/02/15 13:10	1
Benzene	<0.43		1.0	0.43	ug/L			05/02/15 13:10	1
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			05/02/15 13:10	1
Trichloroethene	<0.48		1.0	0.48	ug/L			05/02/15 13:10	1
Methylcyclohexane	<0.43		1.0	0.43	ug/L			05/02/15 13:10	1
1,2-Dichloropropane	<0.67		1.0	0.67	ug/L			05/02/15 13:10	1
Bromodichloromethane	<0.44		1.0	0.44	ug/L			05/02/15 13:10	1
cis-1,3-Dichloropropene	<0.40		1.0	0.40	ug/L			05/02/15 13:10	1
4-Methyl-2-pentanone	<2.1		10	2.1	ug/L			05/02/15 13:10	1
Toluene	<0.48		1.0	0.48	ug/L			05/02/15 13:10	1
trans-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/02/15 13:10	1
1,1,2-Trichloroethane	<0.33		1.0	0.33	ug/L			05/02/15 13:10	1
Tetrachloroethene	<0.74		1.0	0.74	ug/L			05/02/15 13:10	1
2-Hexanone	<2.0		10	2.0	ug/L			05/02/15 13:10	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			05/02/15 13:10	1
1,2-Dibromoethane	<0.44		1.0	0.44	ug/L			05/02/15 13:10	1
Chlorobenzene	<0.26		1.0	0.26	ug/L			05/02/15 13:10	1
Ethylbenzene	<0.33		1.0	0.33	ug/L			05/02/15 13:10	1
Xylenes, Total	<0.23		1.0	0.23	ug/L			05/02/15 13:10	1

Client Sample ID: MW-U2

Lab Sample ID: 680-112021-37

Date Collected: 04/28/15 17:39

Matrix: Water

Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	<0.27		1.0	0.27	ug/L			05/02/15 13:10	1
Bromoform	<0.43		1.0	0.43	ug/L			05/02/15 13:10	1
Isopropylbenzene	<0.35		1.0	0.35	ug/L			05/02/15 13:10	1
1,1,2,2-Tetrachloroethane	<0.62		1.0	0.62	ug/L			05/02/15 13:10	1
1,3-Dichlorobenzene	<0.43		1.0	0.43	ug/L			05/02/15 13:10	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			05/02/15 13:10	1
1,2-Dichlorobenzene	<0.37		1.0	0.37	ug/L			05/02/15 13:10	1
1,2-Dibromo-3-Chloropropane	<1.1		5.0	1.1	ug/L			05/02/15 13:10	1
1,2,4-Trichlorobenzene	<2.5		5.0	2.5	ug/L			05/02/15 13:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*106*		*70 - 130*		*05/02/15 13:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 130*		*05/02/15 13:10*	*1*
Dibromofluoromethane (Surr)	*102*		*70 - 130*		*05/02/15 13:10*	*1*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*05/02/15 13:10*	*1*

Client Sample ID: PAW-3

Lab Sample ID: 680-112021-38

Date Collected: 04/28/15 12:26

Matrix: Water

Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.60		1.0	0.60	ug/L			05/02/15 13:32	1
Chloromethane	<0.40		1.0	0.40	ug/L			05/02/15 13:32	1
Vinyl chloride	**1.1**		1.0	0.50	ug/L			05/02/15 13:32	1
Bromomethane	<2.5		5.0	2.5	ug/L			05/02/15 13:32	1
Chloroethane	<2.5		5.0	2.5	ug/L			05/02/15 13:32	1
Trichlorofluoromethane	<0.42		1.0	0.42	ug/L			05/02/15 13:32	1
1,1-Dichloroethene	<0.36		1.0	0.36	ug/L			05/02/15 13:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.36		1.0	0.36	ug/L			05/02/15 13:32	1
Acetone	<7.0		10	7.0	ug/L			05/02/15 13:32	1
Carbon disulfide	<1.0		2.0	1.0	ug/L			05/02/15 13:32	1
Methyl acetate	<1.8		5.0	1.8	ug/L			05/02/15 13:32	1
Methylene Chloride	<2.5		5.0	2.5	ug/L			05/02/15 13:32	1
trans-1,2-Dichloroethene	<0.37		1.0	0.37	ug/L			05/02/15 13:32	1
Methyl tert-butyl ether	<0.30		10	0.30	ug/L			05/02/15 13:32	1
1,1-Dichloroethane	<0.38		1.0	0.38	ug/L			05/02/15 13:32	1
cis-1,2-Dichloroethene	**0.58**	**J**	1.0	0.41	ug/L			05/02/15 13:32	1
2-Butanone	<3.4		10	3.4	ug/L			05/02/15 13:32	1
Chloroform	<0.50		1.0	0.50	ug/L			05/02/15 13:32	1
1,1,1-Trichloroethane	<0.37		1.0	0.37	ug/L			05/02/15 13:32	1
Cyclohexane	<0.39		1.0	0.39	ug/L			05/02/15 13:32	1
Carbon tetrachloride	<0.33		1.0	0.33	ug/L			05/02/15 13:32	1
Benzene	<0.43		1.0	0.43	ug/L			05/02/15 13:32	1
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			05/02/15 13:32	1
Trichloroethene	<0.48		1.0	0.48	ug/L			05/02/15 13:32	1
Methylcyclohexane	<0.43		1.0	0.43	ug/L			05/02/15 13:32	1
1,2-Dichloropropane	<0.67		1.0	0.67	ug/L			05/02/15 13:32	1
Bromodichloromethane	<0.44		1.0	0.44	ug/L			05/02/15 13:32	1
cis-1,3-Dichloropropene	<0.40		1.0	0.40	ug/L			05/02/15 13:32	1

Client Sample ID: PAW-3

Lab Sample ID: 680-112021-38

Date Collected: 04/28/15 12:26

Matrix: Water

Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone	<2.1		10	2.1	ug/L			05/02/15 13:32	1
Toluene	<0.48		1.0	0.48	ug/L			05/02/15 13:32	1
trans-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/02/15 13:32	1
1,1,2-Trichloroethane	<0.33		1.0	0.33	ug/L			05/02/15 13:32	1
Tetrachloroethene	<0.74		1.0	0.74	ug/L			05/02/15 13:32	1
2-Hexanone	<2.0		10	2.0	ug/L			05/02/15 13:32	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			05/02/15 13:32	1
1,2-Dibromoethane	<0.44		1.0	0.44	ug/L			05/02/15 13:32	1
Chlorobenzene	<0.26		1.0	0.26	ug/L			05/02/15 13:32	1
Ethylbenzene	<0.33		1.0	0.33	ug/L			05/02/15 13:32	1
Xylenes, Total	<0.23		1.0	0.23	ug/L			05/02/15 13:32	1
Styrene	<0.27		1.0	0.27	ug/L			05/02/15 13:32	1
Bromoform	<0.43		1.0	0.43	ug/L			05/02/15 13:32	1
Isopropylbenzene	<0.35		1.0	0.35	ug/L			05/02/15 13:32	1
1,1,2,2-Tetrachloroethane	<0.62		1.0	0.62	ug/L			05/02/15 13:32	1
1,3-Dichlorobenzene	<0.43		1.0	0.43	ug/L			05/02/15 13:32	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			05/02/15 13:32	1
1,2-Dichlorobenzene	<0.37		1.0	0.37	ug/L			05/02/15 13:32	1
1,2-Dibromo-3-Chloropropane	<1.1		5.0	1.1	ug/L			05/02/15 13:32	1
1,2,4-Trichlorobenzene	<2.5		5.0	2.5	ug/L			05/02/15 13:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*106*		*70 - 130*		*05/02/15 13:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 130*		*05/02/15 13:32*	*1*
Dibromofluoromethane (Surr)	*104*		*70 - 130*		*05/02/15 13:32*	*1*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*05/02/15 13:32*	*1*

Client Sample ID: PAW-4

Lab Sample ID: 680-112021-39

Date Collected: 04/28/15 14:35

Matrix: Water

Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.60		1.0	0.60	ug/L			05/02/15 13:53	1
Chloromethane	<0.40		1.0	0.40	ug/L			05/02/15 13:53	1
Vinyl chloride	**3.1**		1.0	0.50	ug/L			05/02/15 13:53	1
Bromomethane	<2.5		5.0	2.5	ug/L			05/02/15 13:53	1
Chloroethane	<2.5		5.0	2.5	ug/L			05/02/15 13:53	1
Trichlorofluoromethane	<0.42		1.0	0.42	ug/L			05/02/15 13:53	1
1,1-Dichloroethene	<0.36		1.0	0.36	ug/L			05/02/15 13:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.36		1.0	0.36	ug/L			05/02/15 13:53	1
Acetone	<7.0		10	7.0	ug/L			05/02/15 13:53	1
Carbon disulfide	<1.0		2.0	1.0	ug/L			05/02/15 13:53	1
Methyl acetate	<1.8		5.0	1.8	ug/L			05/02/15 13:53	1
Methylene Chloride	<2.5		5.0	2.5	ug/L			05/02/15 13:53	1
trans-1,2-Dichloroethene	**1.7**		1.0	0.37	ug/L			05/02/15 13:53	1
Methyl tert-butyl ether	<0.30		10	0.30	ug/L			05/02/15 13:53	1
1,1-Dichloroethane	<0.38		1.0	0.38	ug/L			05/02/15 13:53	1
cis-1,2-Dichloroethene	**38**		1.0	0.41	ug/L			05/02/15 13:53	1
2-Butanone	<3.4		10	3.4	ug/L			05/02/15 13:53	1

Client Sample ID: PAW-4

Lab Sample ID: 680-112021-39

Date Collected: 04/28/15 14:35

Matrix: Water

Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	<0.50		1.0	0.50	ug/L			05/02/15 13:53	1
1,1,1-Trichloroethane	<0.37		1.0	0.37	ug/L			05/02/15 13:53	1
Cyclohexane	<0.39		1.0	0.39	ug/L			05/02/15 13:53	1
Carbon tetrachloride	<0.33		1.0	0.33	ug/L			05/02/15 13:53	1
Benzene	<0.43		1.0	0.43	ug/L			05/02/15 13:53	1
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			05/02/15 13:53	1
Trichloroethene	**29**		1.0	0.48	ug/L			05/02/15 13:53	1
Methylcyclohexane	<0.43		1.0	0.43	ug/L			05/02/15 13:53	1
1,2-Dichloropropane	<0.67		1.0	0.67	ug/L			05/02/15 13:53	1
Bromodichloromethane	<0.44		1.0	0.44	ug/L			05/02/15 13:53	1
cis-1,3-Dichloropropene	<0.40		1.0	0.40	ug/L			05/02/15 13:53	1
4-Methyl-2-pentanone	<2.1		10	2.1	ug/L			05/02/15 13:53	1
Toluene	<0.48		1.0	0.48	ug/L			05/02/15 13:53	1
trans-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/02/15 13:53	1
1,1,2-Trichloroethane	<0.33		1.0	0.33	ug/L			05/02/15 13:53	1
Tetrachloroethene	**150**		1.0	0.74	ug/L			05/02/15 13:53	1
2-Hexanone	<2.0		10	2.0	ug/L			05/02/15 13:53	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			05/02/15 13:53	1
1,2-Dibromoethane	<0.44		1.0	0.44	ug/L			05/02/15 13:53	1
Chlorobenzene	<0.26		1.0	0.26	ug/L			05/02/15 13:53	1
Ethylbenzene	<0.33		1.0	0.33	ug/L			05/02/15 13:53	1
Xylenes, Total	<0.23		1.0	0.23	ug/L			05/02/15 13:53	1
Styrene	<0.27		1.0	0.27	ug/L			05/02/15 13:53	1
Bromoform	<0.43		1.0	0.43	ug/L			05/02/15 13:53	1
Isopropylbenzene	<0.35		1.0	0.35	ug/L			05/02/15 13:53	1
1,1,2,2-Tetrachloroethane	<0.62		1.0	0.62	ug/L			05/02/15 13:53	1
1,3-Dichlorobenzene	<0.43		1.0	0.43	ug/L			05/02/15 13:53	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			05/02/15 13:53	1
1,2-Dichlorobenzene	<0.37		1.0	0.37	ug/L			05/02/15 13:53	1
1,2-Dibromo-3-Chloropropane	<1.1		5.0	1.1	ug/L			05/02/15 13:53	1
1,2,4-Trichlorobenzene	<2.5		5.0	2.5	ug/L			05/02/15 13:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*107*		*70 - 130*		*05/02/15 13:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 130*		*05/02/15 13:53*	*1*
Dibromofluoromethane (Surr)	*103*		*70 - 130*		*05/02/15 13:53*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*05/02/15 13:53*	*1*

Client Sample ID: RW-1

Lab Sample ID: 680-112021-40

Date Collected: 04/27/15 15:00

Matrix: Water

Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.60		1.0	0.60	ug/L			05/02/15 14:36	1
Chloromethane	<0.40		1.0	0.40	ug/L			05/02/15 14:36	1
Vinyl chloride	**1.1**		1.0	0.50	ug/L			05/02/15 14:36	1
Bromomethane	<2.5		5.0	2.5	ug/L			05/02/15 14:36	1
Chloroethane	<2.5		5.0	2.5	ug/L			05/02/15 14:36	1
Trichlorofluoromethane	<0.42		1.0	0.42	ug/L			05/02/15 14:36	1

Client Sample Results

Client: Environmental International Corporation
Project/Site: McKenzie Tank Lines/460002

TestAmerica Job ID: 680-112021-1

Client Sample ID: RW-1

Date Collected: 04/27/15 15:00
Date Received: 04/29/15 13:53

Lab Sample ID: 680-112021-40

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	<0.36		1.0	0.36	ug/L			05/02/15 14:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.36		1.0	0.36	ug/L			05/02/15 14:36	1
Acetone	<7.0		10	7.0	ug/L			05/02/15 14:36	1
Carbon disulfide	<1.0		2.0	1.0	ug/L			05/02/15 14:36	1
Methyl acetate	<1.8		5.0	1.8	ug/L			05/02/15 14:36	1
Methylene Chloride	<2.5		5.0	2.5	ug/L			05/02/15 14:36	1
trans-1,2-Dichloroethene	<0.37		1.0	0.37	ug/L			05/02/15 14:36	1
Methyl tert-butyl ether	<0.30		10	0.30	ug/L			05/02/15 14:36	1
1,1-Dichloroethane	<0.38		1.0	0.38	ug/L			05/02/15 14:36	1
cis-1,2-Dichloroethene	**8.8**		1.0	0.41	ug/L			05/02/15 14:36	1
2-Butanone	<3.4		10	3.4	ug/L			05/02/15 14:36	1
Chloroform	<0.50		1.0	0.50	ug/L			05/02/15 14:36	1
1,1,1-Trichloroethane	<0.37		1.0	0.37	ug/L			05/02/15 14:36	1
Cyclohexane	<0.39		1.0	0.39	ug/L			05/02/15 14:36	1
Carbon tetrachloride	<0.33		1.0	0.33	ug/L			05/02/15 14:36	1
Benzene	<0.43		1.0	0.43	ug/L			05/02/15 14:36	1
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			05/02/15 14:36	1
Trichloroethene	**4.3**		1.0	0.48	ug/L			05/02/15 14:36	1
Methylcyclohexane	<0.43		1.0	0.43	ug/L			05/02/15 14:36	1
1,2-Dichloropropane	<0.67		1.0	0.67	ug/L			05/02/15 14:36	1
Bromodichloromethane	<0.44		1.0	0.44	ug/L			05/02/15 14:36	1
cis-1,3-Dichloropropene	<0.40		1.0	0.40	ug/L			05/02/15 14:36	1
4-Methyl-2-pentanone	<2.1		10	2.1	ug/L			05/02/15 14:36	1
Toluene	<0.48		1.0	0.48	ug/L			05/02/15 14:36	1
trans-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/02/15 14:36	1
1,1,2-Trichloroethane	<0.33		1.0	0.33	ug/L			05/02/15 14:36	1
Tetrachloroethene	**6.0**		1.0	0.74	ug/L			05/02/15 14:36	1
2-Hexanone	<2.0		10	2.0	ug/L			05/02/15 14:36	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			05/02/15 14:36	1
1,2-Dibromoethane	<0.44		1.0	0.44	ug/L			05/02/15 14:36	1
Chlorobenzene	<0.26		1.0	0.26	ug/L			05/02/15 14:36	1
Ethylbenzene	<0.33		1.0	0.33	ug/L			05/02/15 14:36	1
Xylenes, Total	<0.23		1.0	0.23	ug/L			05/02/15 14:36	1
Styrene	<0.27		1.0	0.27	ug/L			05/02/15 14:36	1
Bromoform	<0.43		1.0	0.43	ug/L			05/02/15 14:36	1
Isopropylbenzene	<0.35		1.0	0.35	ug/L			05/02/15 14:36	1
1,1,2,2-Tetrachloroethane	<0.62		1.0	0.62	ug/L			05/02/15 14:36	1
1,3-Dichlorobenzene	<0.43		1.0	0.43	ug/L			05/02/15 14:36	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			05/02/15 14:36	1
1,2-Dichlorobenzene	<0.37		1.0	0.37	ug/L			05/02/15 14:36	1
1,2-Dibromo-3-Chloropropane	<1.1		5.0	1.1	ug/L			05/02/15 14:36	1
1,2,4-Trichlorobenzene	<2.5		5.0	2.5	ug/L			05/02/15 14:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*107*		*70 - 130*		*05/02/15 14:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*70 - 130*		*05/02/15 14:36*	*1*
Dibromofluoromethane (Surr)	*105*		*70 - 130*		*05/02/15 14:36*	*1*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*05/02/15 14:36*	*1*

Client: Environmental International Corporation
Project/Site: McKenzie Tank Lines/460002

TestAmerica Job ID: 680-112021-1

Client Sample ID: RW-4

Lab Sample ID: 680-112021-41

Date Collected: 04/27/15 15:51
Matrix: Water
Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.60		1.0	0.60	ug/L			05/02/15 11:44	1
Chloromethane	<0.40		1.0	0.40	ug/L			05/02/15 11:44	1
Vinyl chloride	**0.83**	**J**	1.0	0.50	ug/L			05/02/15 11:44	1
Bromomethane	<2.5		5.0	2.5	ug/L			05/02/15 11:44	1
Chloroethane	<2.5		5.0	2.5	ug/L			05/02/15 11:44	1
Trichlorofluoromethane	<0.42		1.0	0.42	ug/L			05/02/15 11:44	1
1,1-Dichloroethene	<0.36		1.0	0.36	ug/L			05/02/15 11:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.36		1.0	0.36	ug/L			05/02/15 11:44	1
Acetone	<7.0		10	7.0	ug/L			05/02/15 11:44	1
Carbon disulfide	<1.0		2.0	1.0	ug/L			05/02/15 11:44	1
Methyl acetate	<1.8		5.0	1.8	ug/L			05/02/15 11:44	1
Methylene Chloride	<2.5		5.0	2.5	ug/L			05/02/15 11:44	1
trans-1,2-Dichloroethene	<0.37		1.0	0.37	ug/L			05/02/15 11:44	1
Methyl tert-butyl ether	<0.30		10	0.30	ug/L			05/02/15 11:44	1
1,1-Dichloroethane	<0.38		1.0	0.38	ug/L			05/02/15 11:44	1
cis-1,2-Dichloroethene	**1.8**		1.0	0.41	ug/L			05/02/15 11:44	1
2-Butanone	<3.4		10	3.4	ug/L			05/02/15 11:44	1
Chloroform	<0.50		1.0	0.50	ug/L			05/02/15 11:44	1
1,1,1-Trichloroethane	<0.37		1.0	0.37	ug/L			05/02/15 11:44	1
Cyclohexane	<0.39		1.0	0.39	ug/L			05/02/15 11:44	1
Carbon tetrachloride	<0.33		1.0	0.33	ug/L			05/02/15 11:44	1
Benzene	<0.43		1.0	0.43	ug/L			05/02/15 11:44	1
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			05/02/15 11:44	1
Trichloroethene	**0.94**	**J**	1.0	0.48	ug/L			05/02/15 11:44	1
Methylcyclohexane	<0.43		1.0	0.43	ug/L			05/02/15 11:44	1
1,2-Dichloropropane	<0.67		1.0	0.67	ug/L			05/02/15 11:44	1
Bromodichloromethane	<0.44		1.0	0.44	ug/L			05/02/15 11:44	1
cis-1,3-Dichloropropene	<0.40		1.0	0.40	ug/L			05/02/15 11:44	1
4-Methyl-2-pentanone	<2.1		10	2.1	ug/L			05/02/15 11:44	1
Toluene	<0.48		1.0	0.48	ug/L			05/02/15 11:44	1
trans-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/02/15 11:44	1
1,1,2-Trichloroethane	<0.33		1.0	0.33	ug/L			05/02/15 11:44	1
Tetrachloroethene	<0.74		1.0	0.74	ug/L			05/02/15 11:44	1
2-Hexanone	<2.0		10	2.0	ug/L			05/02/15 11:44	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			05/02/15 11:44	1
1,2-Dibromoethane	<0.44		1.0	0.44	ug/L			05/02/15 11:44	1
Chlorobenzene	<0.26		1.0	0.26	ug/L			05/02/15 11:44	1
Ethylbenzene	<0.33		1.0	0.33	ug/L			05/02/15 11:44	1
Xylenes, Total	<0.23		1.0	0.23	ug/L			05/02/15 11:44	1
Styrene	<0.27		1.0	0.27	ug/L			05/02/15 11:44	1
Bromoform	<0.43		1.0	0.43	ug/L			05/02/15 11:44	1
Isopropylbenzene	<0.35		1.0	0.35	ug/L			05/02/15 11:44	1
1,1,2,2-Tetrachloroethane	<0.62		1.0	0.62	ug/L			05/02/15 11:44	1
1,3-Dichlorobenzene	<0.43		1.0	0.43	ug/L			05/02/15 11:44	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			05/02/15 11:44	1
1,2-Dichlorobenzene	<0.37		1.0	0.37	ug/L			05/02/15 11:44	1
1,2-Dibromo-3-Chloropropane	<1.1		5.0	1.1	ug/L			05/02/15 11:44	1
1,2,4-Trichlorobenzene	<2.5		5.0	2.5	ug/L			05/02/15 11:44	1

Client Sample Results

Client: Environmental International Corporation
Project/Site: McKenzie Tank Lines/460002

TestAmerica Job ID: 680-112021-1

Client Sample ID: RW-4

Lab Sample ID: 680-112021-41

Date Collected: 04/27/15 15:51
Matrix: Water
Date Received: 04/29/15 13:53

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*106*		*70 - 130*		*05/02/15 11:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 130*		*05/02/15 11:44*	*1*
Dibromofluoromethane (Surr)	*102*		*70 - 130*		*05/02/15 11:44*	*1*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*05/02/15 11:44*	*1*

Client Sample ID: TRIP BLANK

Lab Sample ID: 680-112021-42

Date Collected: 04/27/15 00:00
Matrix: Water
Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.60		1.0	0.60	ug/L			05/02/15 11:23	1
Chloromethane	<0.40		1.0	0.40	ug/L			05/02/15 11:23	1
Vinyl chloride	<0.50		1.0	0.50	ug/L			05/02/15 11:23	1
Bromomethane	<2.5		5.0	2.5	ug/L			05/02/15 11:23	1
Chloroethane	<2.5		5.0	2.5	ug/L			05/02/15 11:23	1
Trichlorofluoromethane	<0.42		1.0	0.42	ug/L			05/02/15 11:23	1
1,1-Dichloroethene	<0.36		1.0	0.36	ug/L			05/02/15 11:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.36		1.0	0.36	ug/L			05/02/15 11:23	1
Acetone	<7.0		10	7.0	ug/L			05/02/15 11:23	1
Carbon disulfide	<1.0		2.0	1.0	ug/L			05/02/15 11:23	1
Methyl acetate	<1.8		5.0	1.8	ug/L			05/02/15 11:23	1
Methylene Chloride	<2.5		5.0	2.5	ug/L			05/02/15 11:23	1
trans-1,2-Dichloroethene	<0.37		1.0	0.37	ug/L			05/02/15 11:23	1
Methyl tert-butyl ether	<0.30		10	0.30	ug/L			05/02/15 11:23	1
1,1-Dichloroethane	<0.38		1.0	0.38	ug/L			05/02/15 11:23	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/02/15 11:23	1
2-Butanone	<3.4		10	3.4	ug/L			05/02/15 11:23	1
Chloroform	<0.50		1.0	0.50	ug/L			05/02/15 11:23	1
1,1,1-Trichloroethane	<0.37		1.0	0.37	ug/L			05/02/15 11:23	1
Cyclohexane	<0.39		1.0	0.39	ug/L			05/02/15 11:23	1
Carbon tetrachloride	<0.33		1.0	0.33	ug/L			05/02/15 11:23	1
Benzene	<0.43		1.0	0.43	ug/L			05/02/15 11:23	1
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			05/02/15 11:23	1
Trichloroethene	<0.48		1.0	0.48	ug/L			05/02/15 11:23	1
Methylcyclohexane	<0.43		1.0	0.43	ug/L			05/02/15 11:23	1
1,2-Dichloropropane	<0.67		1.0	0.67	ug/L			05/02/15 11:23	1
Bromodichloromethane	<0.44		1.0	0.44	ug/L			05/02/15 11:23	1
cis-1,3-Dichloropropene	<0.40		1.0	0.40	ug/L			05/02/15 11:23	1
4-Methyl-2-pentanone	<2.1		10	2.1	ug/L			05/02/15 11:23	1
Toluene	<0.48		1.0	0.48	ug/L			05/02/15 11:23	1
trans-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/02/15 11:23	1
1,1,2-Trichloroethane	<0.33		1.0	0.33	ug/L			05/02/15 11:23	1
Tetrachloroethene	<0.74		1.0	0.74	ug/L			05/02/15 11:23	1
2-Hexanone	<2.0		10	2.0	ug/L			05/02/15 11:23	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			05/02/15 11:23	1
1,2-Dibromoethane	<0.44		1.0	0.44	ug/L			05/02/15 11:23	1
Chlorobenzene	<0.26		1.0	0.26	ug/L			05/02/15 11:23	1
Ethylbenzene	<0.33		1.0	0.33	ug/L			05/02/15 11:23	1
Xylenes, Total	<0.23		1.0	0.23	ug/L			05/02/15 11:23	1

Client Sample Results

Client: Environmental International Corporation
Project/Site: McKenzie Tank Lines/460002

TestAmerica Job ID: 680-112021-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 680-112021-42

Date Collected: 04/27/15 00:00

Matrix: Water

Date Received: 04/29/15 13:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	<0.27		1.0	0.27	ug/L			05/02/15 11:23	1
Bromoform	<0.43		1.0	0.43	ug/L			05/02/15 11:23	1
Isopropylbenzene	<0.35		1.0	0.35	ug/L			05/02/15 11:23	1
1,1,2,2-Tetrachloroethane	<0.62		1.0	0.62	ug/L			05/02/15 11:23	1
1,3-Dichlorobenzene	<0.43		1.0	0.43	ug/L			05/02/15 11:23	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			05/02/15 11:23	1
1,2-Dichlorobenzene	<0.37		1.0	0.37	ug/L			05/02/15 11:23	1
1,2-Dibromo-3-Chloropropane	<1.1		5.0	1.1	ug/L			05/02/15 11:23	1
1,2,4-Trichlorobenzene	<2.5		5.0	2.5	ug/L			05/02/15 11:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*107*		*70 - 130*		*05/02/15 11:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 130*		*05/02/15 11:23*	*1*
Dibromofluoromethane (Surr)	*102*		*70 - 130*		*05/02/15 11:23*	*1*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*05/02/15 11:23*	*1*

Surrogate Summary

Client: Environmental International Corporation
Project/Site: McKenzie Tank Lines/460002

TestAmerica Job ID: 680-112021-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	12DCE	DBFM	BFB
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)	(70-130)
680-112021-1	G-17	108	97	99	94
680-112021-2	G-19	103	101	100	90
680-112021-3	G-22	107	100	98	92
680-112021-4	MW-2S	109	99	98	91
680-112021-5	MW-2D	107	112	108	101
680-112021-6	MW-4S	104	109	104	101
680-112021-7	MW-11D	108	99	99	92
680-112021-8	MW-14D	106	99	99	93
680-112021-9	MW-15S	107	100	100	97
680-112021-10	MW-26	107	100	100	93
680-112021-11	MW-29	104	96	99	98
680-112021-12	MW-31	109	99	99	92
680-112021-13	MW-32	103	94	97	98
680-112021-14	MW-33	106	109	104	100
680-112021-15	MW-35	107	100	98	92
680-112021-16	MW-36	109	101	100	99
680-112021-17	MW-37S	108	101	100	96
680-112021-18	MW-38D	109	101	100	96
680-112021-19	MW-39D	110	100	98	93
680-112021-20	MW-40S	104	99	100	101
680-112021-21	MW-41D	102	94	99	98
680-112021-22	MW-42S	107	101	100	92
680-112021-23	MW-43D	108	101	100	97
680-112021-24	MW-44D	109	101	99	97
680-112021-25	MW-45S	108	100	99	94
680-112021-26	MW-46S	108	101	99	97
680-112021-27	MW-47D	105	107	103	101
680-112021-28	MW-48S	106	105	102	101
680-112021-29	MW-49D	105	108	103	100
680-112021-30	MW-50S	106	108	104	101
680-112021-31	MW-51D	101	94	99	99
680-112021-32	MW-52D	105	110	106	102
680-112021-33	MW-53D	107	106	102	100
680-112021-34	MW-54D	104	105	103	100
680-112021-35	MW-55D	102	94	97	101
680-112021-36	MW-56D	106	110	104	99
680-112021-37	MW-U2	106	106	102	101
680-112021-38	PAW-3	106	106	104	102
680-112021-39	PAW-4	107	107	103	100
680-112021-40	RW-1	107	109	105	101
680-112021-41	RW-4	106	104	102	101
680-112021-42	TRIP BLANK	107	106	102	102
LCS 680-381216/5	Lab Control Sample	109	97	101	81
LCS 680-381218/4	Lab Control Sample	103	103	102	104
LCS 680-381278/4	Lab Control Sample	104	96	98	100
LCS 680-381311/4	Lab Control Sample	102	110	106	104
LCSD 680-381216/6	Lab Control Sample Dup	105	103	104	90
LCSD 680-381218/5	Lab Control Sample Dup	104	106	102	105
LCSD 680-381278/5	Lab Control Sample Dup	107	114	108	100

Surrogate Summary

Client: Environmental International Corporation
Project/Site: McKenzie Tank Lines/460002

TestAmerica Job ID: 680-112021-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	12DCE	DBFM	BFB
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)	(70-130)
LCSD 680-381311/5	Lab Control Sample Dup	105	111	108	106
MB 680-381216/10	Method Blank	108	99	98	94
MB 680-381218/9	Method Blank	107	104	103	101
MB 680-381278/9	Method Blank	102	94	97	100
MB 680-381311/9	Method Blank	107	107	104	99

Surrogate Legend

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

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

Lab Sample ID: MB 680-381216/10
Matrix: Water
Analysis Batch: 381216

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.60		1.0	0.60	ug/L			05/02/15 10:53	1
Chloromethane	<0.40		1.0	0.40	ug/L			05/02/15 10:53	1
Vinyl chloride	<0.50		1.0	0.50	ug/L			05/02/15 10:53	1
Bromomethane	<2.5		5.0	2.5	ug/L			05/02/15 10:53	1
Chloroethane	<2.5		5.0	2.5	ug/L			05/02/15 10:53	1
Trichlorofluoromethane	<0.42		1.0	0.42	ug/L			05/02/15 10:53	1
1,1-Dichloroethene	<0.36		1.0	0.36	ug/L			05/02/15 10:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.36		1.0	0.36	ug/L			05/02/15 10:53	1
Acetone	<7.0		10	7.0	ug/L			05/02/15 10:53	1
Carbon disulfide	<1.0		2.0	1.0	ug/L			05/02/15 10:53	1
Methyl acetate	<1.8		5.0	1.8	ug/L			05/02/15 10:53	1
Methylene Chloride	<2.5		5.0	2.5	ug/L			05/02/15 10:53	1
trans-1,2-Dichloroethene	<0.37		1.0	0.37	ug/L			05/02/15 10:53	1
Methyl tert-butyl ether	<0.30		10	0.30	ug/L			05/02/15 10:53	1
1,1-Dichloroethane	<0.38		1.0	0.38	ug/L			05/02/15 10:53	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/02/15 10:53	1
2-Butanone	<3.4		10	3.4	ug/L			05/02/15 10:53	1
Chloroform	<0.50		1.0	0.50	ug/L			05/02/15 10:53	1
1,1,1-Trichloroethane	<0.37		1.0	0.37	ug/L			05/02/15 10:53	1
Cyclohexane	<0.39		1.0	0.39	ug/L			05/02/15 10:53	1
Carbon tetrachloride	<0.33		1.0	0.33	ug/L			05/02/15 10:53	1
Benzene	<0.43		1.0	0.43	ug/L			05/02/15 10:53	1
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			05/02/15 10:53	1
Trichloroethene	<0.48		1.0	0.48	ug/L			05/02/15 10:53	1
Methylcyclohexane	<0.43		1.0	0.43	ug/L			05/02/15 10:53	1
1,2-Dichloropropane	<0.67		1.0	0.67	ug/L			05/02/15 10:53	1
Bromodichloromethane	<0.44		1.0	0.44	ug/L			05/02/15 10:53	1
cis-1,3-Dichloropropene	<0.40		1.0	0.40	ug/L			05/02/15 10:53	1
4-Methyl-2-pentanone	<2.1		10	2.1	ug/L			05/02/15 10:53	1
Toluene	<0.48		1.0	0.48	ug/L			05/02/15 10:53	1
trans-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/02/15 10:53	1
1,1,2-Trichloroethane	<0.33		1.0	0.33	ug/L			05/02/15 10:53	1
Tetrachloroethene	<0.74		1.0	0.74	ug/L			05/02/15 10:53	1
2-Hexanone	<2.0		10	2.0	ug/L			05/02/15 10:53	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			05/02/15 10:53	1
1,2-Dibromoethane	<0.44		1.0	0.44	ug/L			05/02/15 10:53	1
Chlorobenzene	<0.26		1.0	0.26	ug/L			05/02/15 10:53	1
Ethylbenzene	<0.33		1.0	0.33	ug/L			05/02/15 10:53	1
Xylenes, Total	<0.23		1.0	0.23	ug/L			05/02/15 10:53	1
Styrene	<0.27		1.0	0.27	ug/L			05/02/15 10:53	1
Bromoform	<0.43		1.0	0.43	ug/L			05/02/15 10:53	1
Isopropylbenzene	<0.35		1.0	0.35	ug/L			05/02/15 10:53	1
1,1,2,2-Tetrachloroethane	<0.62		1.0	0.62	ug/L			05/02/15 10:53	1
1,3-Dichlorobenzene	<0.43		1.0	0.43	ug/L			05/02/15 10:53	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			05/02/15 10:53	1
1,2-Dichlorobenzene	<0.37		1.0	0.37	ug/L			05/02/15 10:53	1
1,2-Dibromo-3-Chloropropane	<1.1		5.0	1.1	ug/L			05/02/15 10:53	1
1,2,4-Trichlorobenzene	<2.5		5.0	2.5	ug/L			05/02/15 10:53	1

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

Lab Sample ID: MB 680-381216/10
Matrix: Water
Analysis Batch: 381216

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	108		70 - 130		05/02/15 10:53	1
1,2-Dichloroethane-d4 (Surr)	99		70 - 130		05/02/15 10:53	1
Dibromofluoromethane (Surr)	98		70 - 130		05/02/15 10:53	1
4-Bromofluorobenzene (Surr)	94		70 - 130		05/02/15 10:53	1

Lab Sample ID: LCS 680-381216/5
Matrix: Water
Analysis Batch: 381216

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	50.0	55.5		ug/L		111	51 - 140
Chloromethane	50.0	53.0		ug/L		106	63 - 126
Vinyl chloride	50.0	59.8		ug/L		120	68 - 132
Bromomethane	50.0	46.1		ug/L		92	20 - 180
Chloroethane	50.0	46.5		ug/L		93	50 - 151
Trichlorofluoromethane	50.0	58.2		ug/L		116	58 - 145
1,1-Dichloroethene	50.0	48.4		ug/L		97	74 - 125
1,1,2-Trichloro-1,2,2-trifluoroetha ne	50.0	53.4		ug/L		107	65 - 131
Acetone	250	253		ug/L		101	60 - 154
Carbon disulfide	50.0	53.0		ug/L		106	73 - 127
Methyl acetate	250	249		ug/L		100	66 - 134
Methylene Chloride	50.0	49.1		ug/L		98	76 - 129
trans-1,2-Dichloroethene	50.0	52.4		ug/L		105	78 - 123
Methyl tert-butyl ether	50.0	52.7		ug/L		105	74 - 135
1,1-Dichloroethane	50.0	52.2		ug/L		104	80 - 120
cis-1,2-Dichloroethene	50.0	51.5		ug/L		103	80 - 122
2-Butanone	250	242		ug/L		97	75 - 133
Chloroform	50.0	48.9		ug/L		98	79 - 122
1,1,1-Trichloroethane	50.0	51.2		ug/L		102	74 - 128
Cyclohexane	50.0	49.9		ug/L		100	69 - 130
Carbon tetrachloride	50.0	49.9		ug/L		100	75 - 130
Benzene	50.0	49.3		ug/L		99	73 - 131
1,2-Dichloroethane	50.0	48.8		ug/L		98	75 - 130
Trichloroethene	50.0	49.8		ug/L		100	80 - 123
Methylcyclohexane	50.0	49.7		ug/L		99	75 - 127
1,2-Dichloropropane	50.0	49.0		ug/L		98	80 - 123
Bromodichloromethane	50.0	48.1		ug/L		96	77 - 129
cis-1,3-Dichloropropene	50.0	48.9		ug/L		98	80 - 133
4-Methyl-2-pentanone	250	237		ug/L		95	75 - 135
Toluene	50.0	50.2		ug/L		100	80 - 122
trans-1,3-Dichloropropene	50.0	49.5		ug/L		99	74 - 140
1,1,2-Trichloroethane	50.0	46.7		ug/L		93	79 - 125
Tetrachloroethene	50.0	49.4		ug/L		99	77 - 123
2-Hexanone	250	237		ug/L		95	70 - 141
Dibromochloromethane	50.0	47.8		ug/L		96	71 - 136
1,2-Dibromoethane	50.0	47.6		ug/L		95	77 - 131
Chlorobenzene	50.0	50.3		ug/L		101	80 - 120

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

Lab Sample ID: LCS 680-381216/5
Matrix: Water
Analysis Batch: 381216

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	50.0	51.0		ug/L		102	80 - 120
Xylenes, Total	100	101		ug/L		101	80 - 120
Styrene	50.0	51.5		ug/L		103	80 - 122
Bromoform	50.0	50.0		ug/L		100	69 - 135
Isopropylbenzene	50.0	51.8		ug/L		104	80 - 120
1,1,2,2-Tetrachloroethane	50.0	50.3		ug/L		101	72 - 128
1,3-Dichlorobenzene	50.0	50.3		ug/L		101	80 - 120
1,4-Dichlorobenzene	50.0	49.3		ug/L		99	80 - 120
1,2-Dichlorobenzene	50.0	49.9		ug/L		100	80 - 120
1,2-Dibromo-3-Chloropropane	50.0	43.7		ug/L		87	59 - 141
1,2,4-Trichlorobenzene	50.0	44.8		ug/L		90	77 - 131

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*109*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*
Dibromofluoromethane (Surr)	*101*		*70 - 130*
4-Bromofluorobenzene (Surr)	*81*		*70 - 130*

Lab Sample ID: LCSD 680-381216/6
Matrix: Water
Analysis Batch: 381216

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dichlorodifluoromethane	50.0	50.8		ug/L		102	51 - 140	9	40
Chloromethane	50.0	52.5		ug/L		105	63 - 126	1	30
Vinyl chloride	50.0	57.2		ug/L		114	68 - 132	4	30
Bromomethane	50.0	48.4		ug/L		97	20 - 180	5	40
Chloroethane	50.0	45.5		ug/L		91	50 - 151	2	30
Trichlorofluoromethane	50.0	53.8		ug/L		108	58 - 145	8	30
1,1-Dichloroethene	50.0	47.0		ug/L		94	74 - 125	3	20
1,1,2-Trichloro-1,2,2-trifluoroetha ne	50.0	52.3		ug/L		105	65 - 131	2	30
Acetone	250	248		ug/L		99	60 - 154	2	40
Carbon disulfide	50.0	51.8		ug/L		104	73 - 127	2	20
Methyl acetate	250	260		ug/L		104	66 - 134	4	30
Methylene Chloride	50.0	48.5		ug/L		97	76 - 129	1	20
trans-1,2-Dichloroethene	50.0	51.0		ug/L		102	78 - 123	3	20
Methyl tert-butyl ether	50.0	54.5		ug/L		109	74 - 135	3	20
1,1-Dichloroethane	50.0	51.6		ug/L		103	80 - 120	1	20
cis-1,2-Dichloroethene	50.0	52.2		ug/L		104	80 - 122	1	20
2-Butanone	250	251		ug/L		100	75 - 133	4	30
Chloroform	50.0	49.6		ug/L		99	79 - 122	1	20
1,1,1-Trichloroethane	50.0	50.0		ug/L		100	74 - 128	2	20
Cyclohexane	50.0	48.7		ug/L		97	69 - 130	2	30
Carbon tetrachloride	50.0	49.5		ug/L		99	75 - 130	1	20
Benzene	50.0	49.7		ug/L		99	73 - 131	1	30
1,2-Dichloroethane	50.0	52.3		ug/L		105	75 - 130	7	20
Trichloroethene	50.0	48.7		ug/L		97	80 - 123	2	20

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

Lab Sample ID: LCSD 680-381216/6
Matrix: Water
Analysis Batch: 381216

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methylcyclohexane	50.0	48.4		ug/L		97	75 - 127	3	30
1,2-Dichloropropane	50.0	50.9		ug/L		102	80 - 123	4	20
Bromodichloromethane	50.0	49.9		ug/L		100	77 - 129	4	20
cis-1,3-Dichloropropene	50.0	52.2		ug/L		104	80 - 133	6	20
4-Methyl-2-pentanone	250	252		ug/L		101	75 - 135	6	30
Toluene	50.0	50.7		ug/L		101	80 - 122	1	20
trans-1,3-Dichloropropene	50.0	53.3		ug/L		107	74 - 140	8	20
1,1,2-Trichloroethane	50.0	50.5		ug/L		101	79 - 125	8	20
Tetrachloroethene	50.0	50.8		ug/L		102	77 - 123	3	20
2-Hexanone	250	249		ug/L		99	70 - 141	5	40
Dibromochloromethane	50.0	51.3		ug/L		103	71 - 136	7	20
1,2-Dibromoethane	50.0	51.0		ug/L		102	77 - 131	7	30
Chlorobenzene	50.0	50.6		ug/L		101	80 - 120	1	20
Ethylbenzene	50.0	50.0		ug/L		100	80 - 120	2	20
Xylenes, Total	100	100		ug/L		100	80 - 120	1	20
Styrene	50.0	51.2		ug/L		102	80 - 122	1	20
Bromoform	50.0	50.2		ug/L		100	69 - 135	0	20
Isopropylbenzene	50.0	50.1		ug/L		100	80 - 120	3	20
1,1,2,2-Tetrachloroethane	50.0	48.7		ug/L		97	72 - 128	3	20
1,3-Dichlorobenzene	50.0	50.8		ug/L		102	80 - 120	1	20
1,4-Dichlorobenzene	50.0	49.5		ug/L		99	80 - 120	1	20
1,2-Dichlorobenzene	50.0	50.5		ug/L		101	80 - 120	1	20
1,2-Dibromo-3-Chloropropane	50.0	47.6		ug/L		95	59 - 141	9	30
1,2,4-Trichlorobenzene	50.0	48.0		ug/L		96	77 - 131	7	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*105*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*
Dibromofluoromethane (Surr)	*104*		*70 - 130*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*

Lab Sample ID: MB 680-381218/9
Matrix: Water
Analysis Batch: 381218

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.60		1.0	0.60	ug/L			05/02/15 10:35	1
Chloromethane	<0.40		1.0	0.40	ug/L			05/02/15 10:35	1
Vinyl chloride	<0.50		1.0	0.50	ug/L			05/02/15 10:35	1
Bromomethane	<2.5		5.0	2.5	ug/L			05/02/15 10:35	1
Chloroethane	<2.5		5.0	2.5	ug/L			05/02/15 10:35	1
Trichlorofluoromethane	<0.42		1.0	0.42	ug/L			05/02/15 10:35	1
1,1-Dichloroethene	<0.36		1.0	0.36	ug/L			05/02/15 10:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.36		1.0	0.36	ug/L			05/02/15 10:35	1
Acetone	<7.0		10	7.0	ug/L			05/02/15 10:35	1
Carbon disulfide	<1.0		2.0	1.0	ug/L			05/02/15 10:35	1
Methyl acetate	<1.8		5.0	1.8	ug/L			05/02/15 10:35	1
Methylene Chloride	<2.5		5.0	2.5	ug/L			05/02/15 10:35	1

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

Lab Sample ID: MB 680-381218/9
Matrix: Water
Analysis Batch: 381218

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	<0.37		1.0	0.37	ug/L			05/02/15 10:35	1
Methyl tert-butyl ether	<0.30		10	0.30	ug/L			05/02/15 10:35	1
1,1-Dichloroethane	<0.38		1.0	0.38	ug/L			05/02/15 10:35	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/02/15 10:35	1
2-Butanone	<3.4		10	3.4	ug/L			05/02/15 10:35	1
Chloroform	<0.50		1.0	0.50	ug/L			05/02/15 10:35	1
1,1,1-Trichloroethane	<0.37		1.0	0.37	ug/L			05/02/15 10:35	1
Cyclohexane	<0.39		1.0	0.39	ug/L			05/02/15 10:35	1
Carbon tetrachloride	<0.33		1.0	0.33	ug/L			05/02/15 10:35	1
Benzene	<0.43		1.0	0.43	ug/L			05/02/15 10:35	1
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			05/02/15 10:35	1
Trichloroethene	<0.48		1.0	0.48	ug/L			05/02/15 10:35	1
Methylcyclohexane	<0.43		1.0	0.43	ug/L			05/02/15 10:35	1
1,2-Dichloropropane	<0.67		1.0	0.67	ug/L			05/02/15 10:35	1
Bromodichloromethane	<0.44		1.0	0.44	ug/L			05/02/15 10:35	1
cis-1,3-Dichloropropene	<0.40		1.0	0.40	ug/L			05/02/15 10:35	1
4-Methyl-2-pentanone	<2.1		10	2.1	ug/L			05/02/15 10:35	1
Toluene	<0.48		1.0	0.48	ug/L			05/02/15 10:35	1
trans-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/02/15 10:35	1
1,1,2-Trichloroethane	<0.33		1.0	0.33	ug/L			05/02/15 10:35	1
Tetrachloroethene	<0.74		1.0	0.74	ug/L			05/02/15 10:35	1
2-Hexanone	<2.0		10	2.0	ug/L			05/02/15 10:35	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			05/02/15 10:35	1
1,2-Dibromoethane	<0.44		1.0	0.44	ug/L			05/02/15 10:35	1
Chlorobenzene	<0.26		1.0	0.26	ug/L			05/02/15 10:35	1
Ethylbenzene	<0.33		1.0	0.33	ug/L			05/02/15 10:35	1
Xylenes, Total	<0.23		1.0	0.23	ug/L			05/02/15 10:35	1
Styrene	<0.27		1.0	0.27	ug/L			05/02/15 10:35	1
Bromoform	<0.43		1.0	0.43	ug/L			05/02/15 10:35	1
Isopropylbenzene	<0.35		1.0	0.35	ug/L			05/02/15 10:35	1
1,1,2,2-Tetrachloroethane	<0.62		1.0	0.62	ug/L			05/02/15 10:35	1
1,3-Dichlorobenzene	<0.43		1.0	0.43	ug/L			05/02/15 10:35	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			05/02/15 10:35	1
1,2-Dichlorobenzene	<0.37		1.0	0.37	ug/L			05/02/15 10:35	1
1,2-Dibromo-3-Chloropropane	<1.1		5.0	1.1	ug/L			05/02/15 10:35	1
1,2,4-Trichlorobenzene	<2.5		5.0	2.5	ug/L			05/02/15 10:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*107*		*70 - 130*		*05/02/15 10:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 130*		*05/02/15 10:35*	*1*
Dibromofluoromethane (Surr)	*103*		*70 - 130*		*05/02/15 10:35*	*1*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*05/02/15 10:35*	*1*

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

Lab Sample ID: LCS 680-381218/4
Matrix: Water
Analysis Batch: 381218

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	50.0	55.3		ug/L		111	51 - 140
Chloromethane	50.0	43.1		ug/L		86	63 - 126
Vinyl chloride	50.0	46.2		ug/L		92	68 - 132
Bromomethane	50.0	38.7		ug/L		77	20 - 180
Chloroethane	50.0	48.8		ug/L		98	50 - 151
Trichlorofluoromethane	50.0	51.6		ug/L		103	58 - 145
1,1-Dichloroethene	50.0	50.7		ug/L		101	74 - 125
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	53.4		ug/L		107	65 - 131
Acetone	250	204		ug/L		81	60 - 154
Carbon disulfide	50.0	50.9		ug/L		102	73 - 127
Methyl acetate	250	215		ug/L		86	66 - 134
Methylene Chloride	50.0	49.0		ug/L		98	76 - 129
trans-1,2-Dichloroethene	50.0	48.8		ug/L		98	78 - 123
Methyl tert-butyl ether	50.0	49.3		ug/L		99	74 - 135
1,1-Dichloroethane	50.0	48.1		ug/L		96	80 - 120
cis-1,2-Dichloroethene	50.0	47.9		ug/L		96	80 - 122
2-Butanone	250	232		ug/L		93	75 - 133
Chloroform	50.0	49.9		ug/L		100	79 - 122
1,1,1-Trichloroethane	50.0	54.1		ug/L		108	74 - 128
Cyclohexane	50.0	49.8		ug/L		100	69 - 130
Carbon tetrachloride	50.0	56.2		ug/L		112	75 - 130
Benzene	50.0	49.0		ug/L		98	73 - 131
1,2-Dichloroethane	50.0	51.4		ug/L		103	75 - 130
Trichloroethene	50.0	53.3		ug/L		107	80 - 123
Methylcyclohexane	50.0	52.4		ug/L		105	75 - 127
1,2-Dichloropropane	50.0	51.1		ug/L		102	80 - 123
Bromodichloromethane	50.0	55.3		ug/L		111	77 - 129
cis-1,3-Dichloropropene	50.0	52.5		ug/L		105	80 - 133
4-Methyl-2-pentanone	250	232		ug/L		93	75 - 135
Toluene	50.0	51.6		ug/L		103	80 - 122
trans-1,3-Dichloropropene	50.0	53.8		ug/L		108	74 - 140
1,1,2-Trichloroethane	50.0	49.7		ug/L		99	79 - 125
Tetrachloroethene	50.0	53.6		ug/L		107	77 - 123
2-Hexanone	250	272		ug/L		109	70 - 141
Dibromochloromethane	50.0	55.5		ug/L		111	71 - 136
1,2-Dibromoethane	50.0	51.7		ug/L		103	77 - 131
Chlorobenzene	50.0	50.1		ug/L		100	80 - 120
Ethylbenzene	50.0	51.1		ug/L		102	80 - 120
Xylenes, Total	100	105		ug/L		105	80 - 120
Styrene	50.0	52.8		ug/L		106	80 - 122
Bromoform	50.0	54.2		ug/L		108	69 - 135
Isopropylbenzene	50.0	53.5		ug/L		107	80 - 120
1,1,2,2-Tetrachloroethane	50.0	46.7		ug/L		93	72 - 128
1,3-Dichlorobenzene	50.0	52.2		ug/L		104	80 - 120
1,4-Dichlorobenzene	50.0	50.6		ug/L		101	80 - 120
1,2-Dichlorobenzene	50.0	49.8		ug/L		100	80 - 120
1,2-Dibromo-3-Chloropropane	50.0	51.8		ug/L		104	59 - 141

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

Lab Sample ID: LCS 680-381218/4
Matrix: Water
Analysis Batch: 381218

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,2,4-Trichlorobenzene			50.0	52.8		ug/L		106	77 - 131		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*103*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*
Dibromofluoromethane (Surr)	*102*		*70 - 130*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: LCSD 680-381218/5
Matrix: Water
Analysis Batch: 381218

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dichlorodifluoromethane			50.0	55.8		ug/L		112	51 - 140	1	40
Chloromethane			50.0	44.6		ug/L		89	63 - 126	3	30
Vinyl chloride			50.0	47.0		ug/L		94	68 - 132	2	30
Bromomethane			50.0	40.5		ug/L		81	20 - 180	4	40
Chloroethane			50.0	49.2		ug/L		98	50 - 151	1	30
Trichlorofluoromethane			50.0	53.7		ug/L		107	58 - 145	4	30
1,1-Dichloroethene			50.0	52.6		ug/L		105	74 - 125	4	20
1,1,2-Trichloro-1,2,2-trifluoroetha ne			50.0	54.7		ug/L		109	65 - 131	2	30
Acetone			250	207		ug/L		83	60 - 154	2	40
Carbon disulfide			50.0	52.1		ug/L		104	73 - 127	2	20
Methyl acetate			250	217		ug/L		87	66 - 134	1	30
Methylene Chloride			50.0	49.1		ug/L		98	76 - 129	0	20
trans-1,2-Dichloroethene			50.0	50.4		ug/L		101	78 - 123	3	20
Methyl tert-butyl ether			50.0	49.5		ug/L		99	74 - 135	1	20
1,1-Dichloroethane			50.0	48.5		ug/L		97	80 - 120	1	20
cis-1,2-Dichloroethene			50.0	49.1		ug/L		98	80 - 122	2	20
2-Butanone			250	235		ug/L		94	75 - 133	1	30
Chloroform			50.0	50.8		ug/L		102	79 - 122	2	20
1,1,1-Trichloroethane			50.0	55.1		ug/L		110	74 - 128	2	20
Cyclohexane			50.0	50.9		ug/L		102	69 - 130	2	30
Carbon tetrachloride			50.0	57.3		ug/L		115	75 - 130	2	20
Benzene			50.0	50.0		ug/L		100	73 - 131	2	30
1,2-Dichloroethane			50.0	51.6		ug/L		103	75 - 130	0	20
Trichloroethene			50.0	54.0		ug/L		108	80 - 123	1	20
Methylcyclohexane			50.0	53.6		ug/L		107	75 - 127	2	30
1,2-Dichloropropane			50.0	51.3		ug/L		103	80 - 123	0	20
Bromodichloromethane			50.0	55.4		ug/L		111	77 - 129	0	20
cis-1,3-Dichloropropene			50.0	52.4		ug/L		105	80 - 133	0	20
4-Methyl-2-pentanone			250	236		ug/L		94	75 - 135	2	30
Toluene			50.0	51.8		ug/L		104	80 - 122	0	20
trans-1,3-Dichloropropene			50.0	54.4		ug/L		109	74 - 140	1	20
1,1,2-Trichloroethane			50.0	50.2		ug/L		100	79 - 125	1	20
Tetrachloroethene			50.0	55.0		ug/L		110	77 - 123	3	20
2-Hexanone			250	276		ug/L		110	70 - 141	2	40

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

Lab Sample ID: LCSD 680-381218/5
Matrix: Water
Analysis Batch: 381218

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dibromochloromethane	50.0	55.3		ug/L		111	71 - 136	0	20
1,2-Dibromoethane	50.0	52.9		ug/L		106	77 - 131	2	30
Chlorobenzene	50.0	50.7		ug/L		101	80 - 120	1	20
Ethylbenzene	50.0	51.7		ug/L		103	80 - 120	1	20
Xylenes, Total	100	106		ug/L		106	80 - 120	1	20
Styrene	50.0	52.6		ug/L		105	80 - 122	0	20
Bromoform	50.0	55.0		ug/L		110	69 - 135	1	20
Isopropylbenzene	50.0	53.9		ug/L		108	80 - 120	1	20
1,1,2,2-Tetrachloroethane	50.0	47.4		ug/L		95	72 - 128	2	20
1,3-Dichlorobenzene	50.0	52.4		ug/L		105	80 - 120	0	20
1,4-Dichlorobenzene	50.0	51.3		ug/L		103	80 - 120	1	20
1,2-Dichlorobenzene	50.0	50.4		ug/L		101	80 - 120	1	20
1,2-Dibromo-3-Chloropropane	50.0	53.1		ug/L		106	59 - 141	2	30
1,2,4-Trichlorobenzene	50.0	54.6		ug/L		109	77 - 131	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*104*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 130*
Dibromofluoromethane (Surr)	*102*		*70 - 130*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: MB 680-381278/9
Matrix: Water
Analysis Batch: 381278

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.60		1.0	0.60	ug/L			05/03/15 12:10	1
Chloromethane	<0.40		1.0	0.40	ug/L			05/03/15 12:10	1
Vinyl chloride	<0.50		1.0	0.50	ug/L			05/03/15 12:10	1
Bromomethane	<2.5		5.0	2.5	ug/L			05/03/15 12:10	1
Chloroethane	<2.5		5.0	2.5	ug/L			05/03/15 12:10	1
Trichlorofluoromethane	<0.42		1.0	0.42	ug/L			05/03/15 12:10	1
1,1-Dichloroethene	<0.36		1.0	0.36	ug/L			05/03/15 12:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.36		1.0	0.36	ug/L			05/03/15 12:10	1
Acetone	<7.0		10	7.0	ug/L			05/03/15 12:10	1
Carbon disulfide	<1.0		2.0	1.0	ug/L			05/03/15 12:10	1
Methyl acetate	<1.8		5.0	1.8	ug/L			05/03/15 12:10	1
Methylene Chloride	<2.5		5.0	2.5	ug/L			05/03/15 12:10	1
trans-1,2-Dichloroethene	<0.37		1.0	0.37	ug/L			05/03/15 12:10	1
Methyl tert-butyl ether	<0.30		10	0.30	ug/L			05/03/15 12:10	1
1,1-Dichloroethane	<0.38		1.0	0.38	ug/L			05/03/15 12:10	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/03/15 12:10	1
2-Butanone	<3.4		10	3.4	ug/L			05/03/15 12:10	1
Chloroform	<0.50		1.0	0.50	ug/L			05/03/15 12:10	1
1,1,1-Trichloroethane	<0.37		1.0	0.37	ug/L			05/03/15 12:10	1
Cyclohexane	<0.39		1.0	0.39	ug/L			05/03/15 12:10	1
Carbon tetrachloride	<0.33		1.0	0.33	ug/L			05/03/15 12:10	1
Benzene	<0.43		1.0	0.43	ug/L			05/03/15 12:10	1

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

Lab Sample ID: MB 680-381278/9
Matrix: Water
Analysis Batch: 381278

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			05/03/15 12:10	1
Trichloroethene	<0.48		1.0	0.48	ug/L			05/03/15 12:10	1
Methylcyclohexane	<0.43		1.0	0.43	ug/L			05/03/15 12:10	1
1,2-Dichloropropane	<0.67		1.0	0.67	ug/L			05/03/15 12:10	1
Bromodichloromethane	<0.44		1.0	0.44	ug/L			05/03/15 12:10	1
cis-1,3-Dichloropropene	<0.40		1.0	0.40	ug/L			05/03/15 12:10	1
4-Methyl-2-pentanone	<2.1		10	2.1	ug/L			05/03/15 12:10	1
Toluene	<0.48		1.0	0.48	ug/L			05/03/15 12:10	1
trans-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/03/15 12:10	1
1,1,2-Trichloroethane	<0.33		1.0	0.33	ug/L			05/03/15 12:10	1
Tetrachloroethene	<0.74		1.0	0.74	ug/L			05/03/15 12:10	1
2-Hexanone	<2.0		10	2.0	ug/L			05/03/15 12:10	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			05/03/15 12:10	1
1,2-Dibromoethane	<0.44		1.0	0.44	ug/L			05/03/15 12:10	1
Chlorobenzene	<0.26		1.0	0.26	ug/L			05/03/15 12:10	1
Ethylbenzene	<0.33		1.0	0.33	ug/L			05/03/15 12:10	1
Xylenes, Total	<0.23		1.0	0.23	ug/L			05/03/15 12:10	1
Styrene	<0.27		1.0	0.27	ug/L			05/03/15 12:10	1
Bromoform	<0.43		1.0	0.43	ug/L			05/03/15 12:10	1
Isopropylbenzene	<0.35		1.0	0.35	ug/L			05/03/15 12:10	1
1,1,2,2-Tetrachloroethane	<0.62		1.0	0.62	ug/L			05/03/15 12:10	1
1,3-Dichlorobenzene	<0.43		1.0	0.43	ug/L			05/03/15 12:10	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			05/03/15 12:10	1
1,2-Dichlorobenzene	<0.37		1.0	0.37	ug/L			05/03/15 12:10	1
1,2-Dibromo-3-Chloropropane	<1.1		5.0	1.1	ug/L			05/03/15 12:10	1
1,2,4-Trichlorobenzene	<2.5		5.0	2.5	ug/L			05/03/15 12:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*70 - 130*		*05/03/15 12:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*		*05/03/15 12:10*	*1*
Dibromofluoromethane (Surr)	*97*		*70 - 130*		*05/03/15 12:10*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*05/03/15 12:10*	*1*

Lab Sample ID: LCS 680-381278/4
Matrix: Water
Analysis Batch: 381278

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	50.0	52.5		ug/L		105	51 - 140
Chloromethane	50.0	60.8		ug/L		122	63 - 126
Vinyl chloride	50.0	53.5		ug/L		107	68 - 132
Bromomethane	50.0	54.3		ug/L		109	20 - 180
Chloroethane	50.0	58.4		ug/L		117	50 - 151
Trichlorofluoromethane	50.0	35.7		ug/L		71	58 - 145
1,1-Dichloroethene	50.0	53.2		ug/L		106	74 - 125
1,1,2-Trichloro-1,2,2-trifluoroetha ne	50.0	48.0		ug/L		96	65 - 131
Acetone	250	239		ug/L		96	60 - 154

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

Lab Sample ID: LCS 680-381278/4
Matrix: Water
Analysis Batch: 381278

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon disulfide	50.0	50.5		ug/L		101	73 - 127
Methyl acetate	250	242		ug/L		97	66 - 134
Methylene Chloride	50.0	53.5		ug/L		107	76 - 129
trans-1,2-Dichloroethene	50.0	48.5		ug/L		97	78 - 123
Methyl tert-butyl ether	50.0	51.2		ug/L		102	74 - 135
1,1-Dichloroethane	50.0	50.2		ug/L		100	80 - 120
cis-1,2-Dichloroethene	50.0	50.0		ug/L		100	80 - 122
2-Butanone	250	259		ug/L		104	75 - 133
Chloroform	50.0	49.6		ug/L		99	79 - 122
1,1,1-Trichloroethane	50.0	49.3		ug/L		99	74 - 128
Cyclohexane	50.0	52.3		ug/L		105	69 - 130
Carbon tetrachloride	50.0	47.2		ug/L		94	75 - 130
Benzene	50.0	49.9		ug/L		100	73 - 131
1,2-Dichloroethane	50.0	49.3		ug/L		99	75 - 130
Trichloroethene	50.0	50.1		ug/L		100	80 - 123
Methylcyclohexane	50.0	53.5		ug/L		107	75 - 127
1,2-Dichloropropane	50.0	51.7		ug/L		103	80 - 123
Bromodichloromethane	50.0	51.2		ug/L		102	77 - 129
cis-1,3-Dichloropropene	50.0	52.6		ug/L		105	80 - 133
4-Methyl-2-pentanone	250	271		ug/L		109	75 - 135
Toluene	50.0	52.2		ug/L		104	80 - 122
trans-1,3-Dichloropropene	50.0	53.0		ug/L		106	74 - 140
1,1,2-Trichloroethane	50.0	51.5		ug/L		103	79 - 125
Tetrachloroethene	50.0	49.8		ug/L		100	77 - 123
2-Hexanone	250	278		ug/L		111	70 - 141
Dibromochloromethane	50.0	51.0		ug/L		102	71 - 136
1,2-Dibromoethane	50.0	51.1		ug/L		102	77 - 131
Chlorobenzene	50.0	49.6		ug/L		99	80 - 120
Ethylbenzene	50.0	52.6		ug/L		105	80 - 120
Xylenes, Total	100	107		ug/L		107	80 - 120
Styrene	50.0	54.6		ug/L		109	80 - 122
Bromoform	50.0	38.5		ug/L		77	69 - 135
Isopropylbenzene	50.0	54.5		ug/L		109	80 - 120
1,1,2,2-Tetrachloroethane	50.0	51.0		ug/L		102	72 - 128
1,3-Dichlorobenzene	50.0	50.1		ug/L		100	80 - 120
1,4-Dichlorobenzene	50.0	49.3		ug/L		99	80 - 120
1,2-Dichlorobenzene	50.0	50.8		ug/L		102	80 - 120
1,2-Dibromo-3-Chloropropane	50.0	39.7		ug/L		79	59 - 141
1,2,4-Trichlorobenzene	50.0	43.1		ug/L		86	77 - 131

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*104*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*
Dibromofluoromethane (Surr)	*98*		*70 - 130*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*

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

Lab Sample ID: LCSD 680-381278/5
Matrix: Water
Analysis Batch: 381278

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dichlorodifluoromethane	50.0	42.2		ug/L		84	51 - 140	22	40
Chloromethane	50.0	57.8		ug/L		116	63 - 126	5	30
Vinyl chloride	50.0	55.2		ug/L		110	68 - 132	3	30
Bromomethane	50.0	50.8		ug/L		102	20 - 180	7	40
Chloroethane	50.0	55.6		ug/L		111	50 - 151	5	30
Trichlorofluoromethane	50.0	33.4		ug/L		67	58 - 145	7	30
1,1-Dichloroethene	50.0	51.5		ug/L		103	74 - 125	3	20
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	40.5		ug/L		81	65 - 131	17	30
Acetone	250	313		ug/L		125	60 - 154	27	40
Carbon disulfide	50.0	48.9		ug/L		98	73 - 127	3	20
Methyl acetate	250	299		ug/L		120	66 - 134	21	30
Methylene Chloride	50.0	60.5		ug/L		121	76 - 129	12	20
trans-1,2-Dichloroethene	50.0	45.9		ug/L		92	78 - 123	6	20
Methyl tert-butyl ether	50.0	60.7		ug/L		121	74 - 135	17	20
1,1-Dichloroethane	50.0	49.9		ug/L		100	80 - 120	1	20
cis-1,2-Dichloroethene	50.0	52.3		ug/L		105	80 - 122	4	20
2-Butanone	250	314		ug/L		126	75 - 133	19	30
Chloroform	50.0	52.8		ug/L		106	79 - 122	6	20
1,1,1-Trichloroethane	50.0	45.3		ug/L		91	74 - 128	8	20
Cyclohexane	50.0	43.2		ug/L		86	69 - 130	19	30
Carbon tetrachloride	50.0	41.9		ug/L		84	75 - 130	12	20
Benzene	50.0	51.2		ug/L		102	73 - 131	3	30
1,2-Dichloroethane	50.0	58.0		ug/L		116	75 - 130	16	20
Trichloroethene	50.0	49.0		ug/L		98	80 - 123	2	20
Methylcyclohexane	50.0	43.6		ug/L		87	75 - 127	20	30
1,2-Dichloropropane	50.0	56.8		ug/L		114	80 - 123	10	20
Bromodichloromethane	50.0	58.2		ug/L		116	77 - 129	13	20
cis-1,3-Dichloropropene	50.0	61.0		ug/L		122	80 - 133	15	20
4-Methyl-2-pentanone	250	331		ug/L		132	75 - 135	20	30
Toluene	50.0	53.0		ug/L		106	80 - 122	1	20
trans-1,3-Dichloropropene	50.0	62.8		ug/L		126	74 - 140	17	20
1,1,2-Trichloroethane	50.0	61.5		ug/L		123	79 - 125	18	20
Tetrachloroethene	50.0	45.7		ug/L		91	77 - 123	8	20
2-Hexanone	250	343		ug/L		137	70 - 141	21	40
Dibromochloromethane	50.0	61.9		ug/L		124	71 - 136	19	20
1,2-Dibromoethane	50.0	62.2		ug/L		124	77 - 131	20	30
Chlorobenzene	50.0	49.7		ug/L		99	80 - 120	0	20
Ethylbenzene	50.0	48.3		ug/L		97	80 - 120	8	20
Xylenes, Total	100	102		ug/L		102	80 - 120	5	20
Styrene	50.0	56.1		ug/L		112	80 - 122	3	20
Bromoform	50.0	44.3		ug/L		89	69 - 135	14	20
Isopropylbenzene	50.0	48.7		ug/L		97	80 - 120	11	20
1,1,2,2-Tetrachloroethane	50.0	58.5		ug/L		117	72 - 128	14	20
1,3-Dichlorobenzene	50.0	49.7		ug/L		99	80 - 120	1	20
1,4-Dichlorobenzene	50.0	50.3		ug/L		101	80 - 120	2	20
1,2-Dichlorobenzene	50.0	53.7		ug/L		107	80 - 120	5	20
1,2-Dibromo-3-Chloropropane	50.0	45.2		ug/L		90	59 - 141	13	30

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

Lab Sample ID: LCSD 680-381278/5
Matrix: Water
Analysis Batch: 381278

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene			50.0	43.2		ug/L		86	77 - 131	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*107*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*114*		*70 - 130*
Dibromofluoromethane (Surr)	*108*		*70 - 130*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: MB 680-381311/9
Matrix: Water
Analysis Batch: 381311

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.60		1.0	0.60	ug/L			05/04/15 10:39	1
Chloromethane	<0.40		1.0	0.40	ug/L			05/04/15 10:39	1
Vinyl chloride	<0.50		1.0	0.50	ug/L			05/04/15 10:39	1
Bromomethane	<2.5		5.0	2.5	ug/L			05/04/15 10:39	1
Chloroethane	<2.5		5.0	2.5	ug/L			05/04/15 10:39	1
Trichlorofluoromethane	<0.42		1.0	0.42	ug/L			05/04/15 10:39	1
1,1-Dichloroethene	<0.36		1.0	0.36	ug/L			05/04/15 10:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.36		1.0	0.36	ug/L			05/04/15 10:39	1
Acetone	<7.0		10	7.0	ug/L			05/04/15 10:39	1
Carbon disulfide	<1.0		2.0	1.0	ug/L			05/04/15 10:39	1
Methyl acetate	<1.8		5.0	1.8	ug/L			05/04/15 10:39	1
Methylene Chloride	<2.5		5.0	2.5	ug/L			05/04/15 10:39	1
trans-1,2-Dichloroethene	<0.37		1.0	0.37	ug/L			05/04/15 10:39	1
Methyl tert-butyl ether	<0.30		10	0.30	ug/L			05/04/15 10:39	1
1,1-Dichloroethane	<0.38		1.0	0.38	ug/L			05/04/15 10:39	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/04/15 10:39	1
2-Butanone	<3.4		10	3.4	ug/L			05/04/15 10:39	1
Chloroform	<0.50		1.0	0.50	ug/L			05/04/15 10:39	1
1,1,1-Trichloroethane	<0.37		1.0	0.37	ug/L			05/04/15 10:39	1
Cyclohexane	<0.39		1.0	0.39	ug/L			05/04/15 10:39	1
Carbon tetrachloride	<0.33		1.0	0.33	ug/L			05/04/15 10:39	1
Benzene	<0.43		1.0	0.43	ug/L			05/04/15 10:39	1
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			05/04/15 10:39	1
Trichloroethene	<0.48		1.0	0.48	ug/L			05/04/15 10:39	1
Methylcyclohexane	<0.43		1.0	0.43	ug/L			05/04/15 10:39	1
1,2-Dichloropropane	<0.67		1.0	0.67	ug/L			05/04/15 10:39	1
Bromodichloromethane	<0.44		1.0	0.44	ug/L			05/04/15 10:39	1
cis-1,3-Dichloropropene	<0.40		1.0	0.40	ug/L			05/04/15 10:39	1
4-Methyl-2-pentanone	<2.1		10	2.1	ug/L			05/04/15 10:39	1
Toluene	<0.48		1.0	0.48	ug/L			05/04/15 10:39	1
trans-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/04/15 10:39	1
1,1,2-Trichloroethane	<0.33		1.0	0.33	ug/L			05/04/15 10:39	1
Tetrachloroethene	<0.74		1.0	0.74	ug/L			05/04/15 10:39	1
2-Hexanone	<2.0		10	2.0	ug/L			05/04/15 10:39	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			05/04/15 10:39	1

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

Lab Sample ID: MB 680-381311/9
Matrix: Water
Analysis Batch: 381311

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	<0.44		1.0	0.44	ug/L			05/04/15 10:39	1
Chlorobenzene	<0.26		1.0	0.26	ug/L			05/04/15 10:39	1
Ethylbenzene	<0.33		1.0	0.33	ug/L			05/04/15 10:39	1
Xylenes, Total	<0.23		1.0	0.23	ug/L			05/04/15 10:39	1
Styrene	<0.27		1.0	0.27	ug/L			05/04/15 10:39	1
Bromoform	<0.43		1.0	0.43	ug/L			05/04/15 10:39	1
Isopropylbenzene	<0.35		1.0	0.35	ug/L			05/04/15 10:39	1
1,1,2,2-Tetrachloroethane	<0.62		1.0	0.62	ug/L			05/04/15 10:39	1
1,3-Dichlorobenzene	<0.43		1.0	0.43	ug/L			05/04/15 10:39	1
1,4-Dichlorobenzene	<0.46		1.0	0.46	ug/L			05/04/15 10:39	1
1,2-Dichlorobenzene	<0.37		1.0	0.37	ug/L			05/04/15 10:39	1
1,2-Dibromo-3-Chloropropane	<1.1		5.0	1.1	ug/L			05/04/15 10:39	1
1,2,4-Trichlorobenzene	<2.5		5.0	2.5	ug/L			05/04/15 10:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*107*		*70 - 130*		*05/04/15 10:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 130*		*05/04/15 10:39*	*1*
Dibromofluoromethane (Surr)	*104*		*70 - 130*		*05/04/15 10:39*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*05/04/15 10:39*	*1*

Lab Sample ID: LCS 680-381311/4
Matrix: Water
Analysis Batch: 381311

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	50.0	52.1		ug/L		104	51 - 140
Chloromethane	50.0	36.9		ug/L		74	63 - 126
Vinyl chloride	50.0	42.1		ug/L		84	68 - 132
Bromomethane	50.0	31.2		ug/L		62	20 - 180
Chloroethane	50.0	46.3		ug/L		93	50 - 151
Trichlorofluoromethane	50.0	49.9		ug/L		100	58 - 145
1,1-Dichloroethene	50.0	49.4		ug/L		99	74 - 125
1,1,2-Trichloro-1,2,2-trifluoroetha ne	50.0	53.3		ug/L		107	65 - 131
Acetone	250	211		ug/L		84	60 - 154
Carbon disulfide	50.0	49.1		ug/L		98	73 - 127
Methyl acetate	250	218		ug/L		87	66 - 134
Methylene Chloride	50.0	48.9		ug/L		98	76 - 129
trans-1,2-Dichloroethene	50.0	48.8		ug/L		98	78 - 123
Methyl tert-butyl ether	50.0	51.9		ug/L		104	74 - 135
1,1-Dichloroethane	50.0	47.6		ug/L		95	80 - 120
cis-1,2-Dichloroethene	50.0	49.3		ug/L		99	80 - 122
2-Butanone	250	241		ug/L		96	75 - 133
Chloroform	50.0	51.5		ug/L		103	79 - 122
1,1,1-Trichloroethane	50.0	54.8		ug/L		110	74 - 128
Cyclohexane	50.0	48.7		ug/L		97	69 - 130
Carbon tetrachloride	50.0	56.8		ug/L		114	75 - 130
Benzene	50.0	48.9		ug/L		98	73 - 131

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

Lab Sample ID: LCS 680-381311/4
Matrix: Water
Analysis Batch: 381311

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloroethane	50.0	53.7		ug/L		107	75 - 130
Trichloroethene	50.0	53.2		ug/L		106	80 - 123
Methylcyclohexane	50.0	51.6		ug/L		103	75 - 127
1,2-Dichloropropane	50.0	50.6		ug/L		101	80 - 123
Bromodichloromethane	50.0	57.6		ug/L		115	77 - 129
cis-1,3-Dichloropropene	50.0	54.4		ug/L		109	80 - 133
4-Methyl-2-pentanone	250	241		ug/L		96	75 - 135
Toluene	50.0	52.1		ug/L		104	80 - 122
trans-1,3-Dichloropropene	50.0	57.4		ug/L		115	74 - 140
1,1,2-Trichloroethane	50.0	51.3		ug/L		103	79 - 125
Tetrachloroethene	50.0	54.1		ug/L		108	77 - 123
2-Hexanone	250	282		ug/L		113	70 - 141
Dibromochloromethane	50.0	59.1		ug/L		118	71 - 136
1,2-Dibromoethane	50.0	55.3		ug/L		111	77 - 131
Chlorobenzene	50.0	50.3		ug/L		101	80 - 120
Ethylbenzene	50.0	50.6		ug/L		101	80 - 120
Xylenes, Total	100	103		ug/L		103	80 - 120
Styrene	50.0	53.0		ug/L		106	80 - 122
Bromoform	50.0	57.9		ug/L		116	69 - 135
Isopropylbenzene	50.0	52.5		ug/L		105	80 - 120
1,1,2,2-Tetrachloroethane	50.0	48.2		ug/L		96	72 - 128
1,3-Dichlorobenzene	50.0	51.9		ug/L		104	80 - 120
1,4-Dichlorobenzene	50.0	50.2		ug/L		100	80 - 120
1,2-Dichlorobenzene	50.0	50.4		ug/L		101	80 - 120
1,2-Dibromo-3-Chloropropane	50.0	53.6		ug/L		107	59 - 141
1,2,4-Trichlorobenzene	50.0	55.4		ug/L		111	77 - 131

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*102*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*110*		*70 - 130*
Dibromofluoromethane (Surr)	*106*		*70 - 130*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: LCSD 680-381311/5
Matrix: Water
Analysis Batch: 381311

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dichlorodifluoromethane	50.0	54.2		ug/L		108	51 - 140	4	40
Chloromethane	50.0	38.8		ug/L		78	63 - 126	5	30
Vinyl chloride	50.0	44.1		ug/L		88	68 - 132	5	30
Bromomethane	50.0	30.3		ug/L		61	20 - 180	3	40
Chloroethane	50.0	48.3		ug/L		97	50 - 151	4	30
Trichlorofluoromethane	50.0	53.0		ug/L		106	58 - 145	6	30
1,1-Dichloroethene	50.0	52.2		ug/L		104	74 - 125	6	20
1,1,2-Trichloro-1,2,2-trifluoroetha ne	50.0	56.1		ug/L		112	65 - 131	5	30
Acetone	250	204		ug/L		82	60 - 154	3	40

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

Lab Sample ID: LCSD 680-381311/5
Matrix: Water
Analysis Batch: 381311

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Carbon disulfide	50.0	51.4		ug/L		103	73 - 127	5	20
Methyl acetate	250	219		ug/L		88	66 - 134	1	30
Methylene Chloride	50.0	49.4		ug/L		99	76 - 129	1	20
trans-1,2-Dichloroethene	50.0	51.0		ug/L		102	78 - 123	4	20
Methyl tert-butyl ether	50.0	51.8		ug/L		104	74 - 135	0	20
1,1-Dichloroethane	50.0	48.6		ug/L		97	80 - 120	2	20
cis-1,2-Dichloroethene	50.0	50.0		ug/L		100	80 - 122	1	20
2-Butanone	250	240		ug/L		96	75 - 133	1	30
Chloroform	50.0	52.4		ug/L		105	79 - 122	2	20
1,1,1-Trichloroethane	50.0	56.9		ug/L		114	74 - 128	4	20
Cyclohexane	50.0	51.5		ug/L		103	69 - 130	6	30
Carbon tetrachloride	50.0	59.8		ug/L		120	75 - 130	5	20
Benzene	50.0	50.4		ug/L		101	73 - 131	3	30
1,2-Dichloroethane	50.0	55.5		ug/L		111	75 - 130	3	20
Trichloroethene	50.0	55.4		ug/L		111	80 - 123	4	20
Methylcyclohexane	50.0	53.7		ug/L		107	75 - 127	4	30
1,2-Dichloropropane	50.0	51.8		ug/L		104	80 - 123	2	20
Bromodichloromethane	50.0	58.0		ug/L		116	77 - 129	1	20
cis-1,3-Dichloropropene	50.0	54.3		ug/L		109	80 - 133	0	20
4-Methyl-2-pentanone	250	241		ug/L		96	75 - 135	0	30
Toluene	50.0	53.3		ug/L		107	80 - 122	2	20
trans-1,3-Dichloropropene	50.0	57.0		ug/L		114	74 - 140	1	20
1,1,2-Trichloroethane	50.0	51.4		ug/L		103	79 - 125	0	20
Tetrachloroethene	50.0	56.4		ug/L		113	77 - 123	4	20
2-Hexanone	250	283		ug/L		113	70 - 141	0	40
Dibromochloromethane	50.0	58.6		ug/L		117	71 - 136	1	20
1,2-Dibromoethane	50.0	54.8		ug/L		110	77 - 131	1	30
Chlorobenzene	50.0	51.7		ug/L		103	80 - 120	3	20
Ethylbenzene	50.0	53.0		ug/L		106	80 - 120	5	20
Xylenes, Total	100	109		ug/L		109	80 - 120	5	20
Styrene	50.0	54.6		ug/L		109	80 - 122	3	20
Bromoform	50.0	58.7		ug/L		117	69 - 135	1	20
Isopropylbenzene	50.0	54.7		ug/L		109	80 - 120	4	20
1,1,2,2-Tetrachloroethane	50.0	49.1		ug/L		98	72 - 128	2	20
1,3-Dichlorobenzene	50.0	53.2		ug/L		106	80 - 120	2	20
1,4-Dichlorobenzene	50.0	51.3		ug/L		103	80 - 120	2	20
1,2-Dichlorobenzene	50.0	50.9		ug/L		102	80 - 120	1	20
1,2-Dibromo-3-Chloropropane	50.0	53.7		ug/L		107	59 - 141	0	30
1,2,4-Trichlorobenzene	50.0	56.8		ug/L		114	77 - 131	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*105*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*111*		*70 - 130*
Dibromofluoromethane (Surr)	*108*		*70 - 130*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*

GC/MS VOA

Analysis Batch: 381216

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-112021-1	G-17	Total/NA	Water	8260B	
680-112021-2	G-19	Total/NA	Water	8260B	
680-112021-3	G-22	Total/NA	Water	8260B	
680-112021-4	MW-2S	Total/NA	Water	8260B	
680-112021-7	MW-11D	Total/NA	Water	8260B	
680-112021-8	MW-14D	Total/NA	Water	8260B	
680-112021-9	MW-15S	Total/NA	Water	8260B	
680-112021-10	MW-26	Total/NA	Water	8260B	
680-112021-12	MW-31	Total/NA	Water	8260B	
680-112021-15	MW-35	Total/NA	Water	8260B	
680-112021-16	MW-36	Total/NA	Water	8260B	
680-112021-17	MW-37S	Total/NA	Water	8260B	
680-112021-18	MW-38D	Total/NA	Water	8260B	
680-112021-19	MW-39D	Total/NA	Water	8260B	
680-112021-22	MW-42S	Total/NA	Water	8260B	
680-112021-23	MW-43D	Total/NA	Water	8260B	
680-112021-24	MW-44D	Total/NA	Water	8260B	
680-112021-25	MW-45S	Total/NA	Water	8260B	
680-112021-26	MW-46S	Total/NA	Water	8260B	
LCS 680-381216/5	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-381216/6	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 680-381216/10	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 381218

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-112021-5	MW-2D	Total/NA	Water	8260B	
680-112021-6	MW-4S	Total/NA	Water	8260B	
680-112021-14	MW-33	Total/NA	Water	8260B	
680-112021-27	MW-47D	Total/NA	Water	8260B	
680-112021-28	MW-48S	Total/NA	Water	8260B	
680-112021-29	MW-49D	Total/NA	Water	8260B	
680-112021-30	MW-50S	Total/NA	Water	8260B	
680-112021-33	MW-53D	Total/NA	Water	8260B	
680-112021-34	MW-54D	Total/NA	Water	8260B	
680-112021-37	MW-U2	Total/NA	Water	8260B	
680-112021-38	PAW-3	Total/NA	Water	8260B	
680-112021-39	PAW-4	Total/NA	Water	8260B	
680-112021-40	RW-1	Total/NA	Water	8260B	
680-112021-41	RW-4	Total/NA	Water	8260B	
680-112021-42	TRIP BLANK	Total/NA	Water	8260B	
LCS 680-381218/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-381218/5	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 680-381218/9	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 381278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-112021-11	MW-29	Total/NA	Water	8260B	
680-112021-13	MW-32	Total/NA	Water	8260B	
680-112021-20	MW-40S	Total/NA	Water	8260B	
680-112021-21	MW-41D	Total/NA	Water	8260B	
680-112021-31	MW-51D	Total/NA	Water	8260B	

GC/MS VOA (Continued)

Analysis Batch: 381278 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-112021-35	MW-55D	Total/NA	Water	8260B	
LCS 680-381278/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-381278/5	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 680-381278/9	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 381311

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-112021-32	MW-52D	Total/NA	Water	8260B	
680-112021-36	MW-56D	Total/NA	Water	8260B	
LCS 680-381311/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-381311/5	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 680-381311/9	Method Blank	Total/NA	Water	8260B	

Lab Chronicle

Client: Environmental International Corporation
Project/Site: McKenzie Tank Lines/460002

TestAmerica Job ID: 680-112021-1

Client Sample ID: G-17 — Lab Sample ID: 680-112021-1

Date Collected: 04/28/15 09:05 — **Matrix: Water**
Date Received: 04/29/15 13:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	381216	05/02/15 11:43	RWB	TAL SAV
	Instrument ID: CMSO2									

Client Sample ID: G-19 — Lab Sample ID: 680-112021-2

Date Collected: 04/28/15 15:48 — **Matrix: Water**
Date Received: 04/29/15 13:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	381216	05/02/15 12:05	RWB	TAL SAV
	Instrument ID: CMSO2									

Client Sample ID: G-22 — Lab Sample ID: 680-112021-3

Date Collected: 04/28/15 10:51 — **Matrix: Water**
Date Received: 04/29/15 13:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	381216	05/02/15 12:26	RWB	TAL SAV
	Instrument ID: CMSO2									

Client Sample ID: MW-2S — Lab Sample ID: 680-112021-4

Date Collected: 04/27/15 12:24 — **Matrix: Water**
Date Received: 04/29/15 13:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	381216	05/02/15 12:47	RWB	TAL SAV
	Instrument ID: CMSO2									

Client Sample ID: MW-2D — Lab Sample ID: 680-112021-5

Date Collected: 04/27/15 12:53 — **Matrix: Water**
Date Received: 04/29/15 13:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		50	5 mL	5 mL	381218	05/02/15 14:57	RWB	TAL SAV
	Instrument ID: CMSP2									

Client Sample ID: MW-4S — Lab Sample ID: 680-112021-6

Date Collected: 04/27/15 17:36 — **Matrix: Water**
Date Received: 04/29/15 13:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	5 mL	5 mL	381218	05/02/15 15:40	RWB	TAL SAV
	Instrument ID: CMSP2									

Lab Chronicle

Client: Environmental International Corporation
Project/Site: McKenzie Tank Lines/460002

TestAmerica Job ID: 680-112021-1

Client Sample ID: MW-11D — Lab Sample ID: 680-112021-7

Date Collected: 04/27/15 10:31 — **Matrix: Water**
Date Received: 04/29/15 13:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	381216	05/02/15 13:08	RWB	TAL SAV
	Instrument ID: CMSO2									

Client Sample ID: MW-14D — Lab Sample ID: 680-112021-8

Date Collected: 04/28/15 16:58 — **Matrix: Water**
Date Received: 04/29/15 13:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	381216	05/02/15 13:29	RWB	TAL SAV
	Instrument ID: CMSO2									

Client Sample ID: MW-15S — Lab Sample ID: 680-112021-9

Date Collected: 04/28/15 09:41 — **Matrix: Water**
Date Received: 04/29/15 13:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	381216	05/02/15 13:50	RWB	TAL SAV
	Instrument ID: CMSO2									

Client Sample ID: MW-26 — Lab Sample ID: 680-112021-10

Date Collected: 04/27/15 19:15 — **Matrix: Water**
Date Received: 04/29/15 13:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	381216	05/02/15 14:11	RWB	TAL SAV
	Instrument ID: CMSO2									

Client Sample ID: MW-29 — Lab Sample ID: 680-112021-11

Date Collected: 04/27/15 17:51 — **Matrix: Water**
Date Received: 04/29/15 13:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	381278	05/03/15 15:13	DJK	TAL SAV
	Instrument ID: CMSA2									

Client Sample ID: MW-31 — Lab Sample ID: 680-112021-12

Date Collected: 04/28/15 18:22 — **Matrix: Water**
Date Received: 04/29/15 13:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	381216	05/02/15 14:33	RWB	TAL SAV
	Instrument ID: CMSO2									

Lab Chronicle

Client: Environmental International Corporation
Project/Site: McKenzie Tank Lines/460002

TestAmerica Job ID: 680-112021-1

Client Sample ID: MW-32 — Lab Sample ID: 680-112021-13

Date Collected: 04/28/15 16:47 — **Matrix: Water**
Date Received: 04/29/15 13:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	381278	05/03/15 15:33	DJK	TAL SAV
	Instrument ID: CMSA2									

Client Sample ID: MW-33 — Lab Sample ID: 680-112021-14

Date Collected: 04/28/15 09:51 — **Matrix: Water**
Date Received: 04/29/15 13:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	5 mL	5 mL	381218	05/02/15 16:45	RWB	TAL SAV
	Instrument ID: CMSP2									

Client Sample ID: MW-35 — Lab Sample ID: 680-112021-15

Date Collected: 04/28/15 10:43 — **Matrix: Water**
Date Received: 04/29/15 13:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	381216	05/02/15 14:54	RWB	TAL SAV
	Instrument ID: CMSO2									

Client Sample ID: MW-36 — Lab Sample ID: 680-112021-16

Date Collected: 04/27/15 18:45 — **Matrix: Water**
Date Received: 04/29/15 13:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	381216	05/02/15 15:15	RWB	TAL SAV
	Instrument ID: CMSO2									

Client Sample ID: MW-37S — Lab Sample ID: 680-112021-17

Date Collected: 04/28/15 15:12 — **Matrix: Water**
Date Received: 04/29/15 13:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	381216	05/02/15 15:36	RWB	TAL SAV
	Instrument ID: CMSO2									

Client Sample ID: MW-38D — Lab Sample ID: 680-112021-18

Date Collected: 04/28/15 15:51 — **Matrix: Water**
Date Received: 04/29/15 13:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	381216	05/02/15 15:57	RWB	TAL SAV
	Instrument ID: CMSO2									

Lab Chronicle

Client: Environmental International Corporation
Project/Site: McKenzie Tank Lines/460002

TestAmerica Job ID: 680-112021-1

Client Sample ID: MW-39D — Lab Sample ID: 680-112021-19

Date Collected: 04/28/15 12:26 — **Matrix: Water**
Date Received: 04/29/15 13:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	381216	05/02/15 16:18	RWB	TAL SAV
	Instrument ID: CMSO2									

Client Sample ID: MW-40S — Lab Sample ID: 680-112021-20

Date Collected: 04/27/15 18:17 — **Matrix: Water**
Date Received: 04/29/15 13:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		50	5 mL	5 mL	381278	05/03/15 16:35	DJK	TAL SAV
	Instrument ID: CMSA2									

Client Sample ID: MW-41D — Lab Sample ID: 680-112021-21

Date Collected: 04/27/15 16:42 — **Matrix: Water**
Date Received: 04/29/15 13:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	381278	05/03/15 15:54	DJK	TAL SAV
	Instrument ID: CMSA2									

Client Sample ID: MW-42S — Lab Sample ID: 680-112021-22

Date Collected: 04/27/15 16:43 — **Matrix: Water**
Date Received: 04/29/15 13:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	381216	05/02/15 16:40	RWB	TAL SAV
	Instrument ID: CMSO2									

Client Sample ID: MW-43D — Lab Sample ID: 680-112021-23

Date Collected: 04/27/15 16:56 — **Matrix: Water**
Date Received: 04/29/15 13:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	381216	05/02/15 17:01	RWB	TAL SAV
	Instrument ID: CMSO2									

Client Sample ID: MW-44D — Lab Sample ID: 680-112021-24

Date Collected: 04/27/15 12:34 — **Matrix: Water**
Date Received: 04/29/15 13:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	381216	05/02/15 17:22	RWB	TAL SAV
	Instrument ID: CMSO2									

Lab Chronicle

Client: Environmental International Corporation
Project/Site: McKenzie Tank Lines/460002

TestAmerica Job ID: 680-112021-1

Client Sample ID: MW-45S — Lab Sample ID: 680-112021-25

Date Collected: 04/27/15 13:06 — **Matrix: Water**
Date Received: 04/29/15 13:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	381216	05/02/15 17:43	RWB	TAL SAV
	Instrument ID: CMSO2									

Client Sample ID: MW-46S — Lab Sample ID: 680-112021-26

Date Collected: 04/27/15 10:15 — **Matrix: Water**
Date Received: 04/29/15 13:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	381216	05/02/15 18:04	RWB	TAL SAV
	Instrument ID: CMSO2									

Client Sample ID: MW-47D — Lab Sample ID: 680-112021-27

Date Collected: 04/27/15 11:36 — **Matrix: Water**
Date Received: 04/29/15 13:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	381218	05/02/15 14:14	RWB	TAL SAV
	Instrument ID: CMSP2									

Client Sample ID: MW-48S — Lab Sample ID: 680-112021-28

Date Collected: 04/27/15 10:55 — **Matrix: Water**
Date Received: 04/29/15 13:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	381218	05/02/15 12:49	RWB	TAL SAV
	Instrument ID: CMSP2									

Client Sample ID: MW-49D — Lab Sample ID: 680-112021-29

Date Collected: 04/29/15 10:07 — **Matrix: Water**
Date Received: 04/29/15 13:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	5 mL	5 mL	381218	05/02/15 17:28	RWB	TAL SAV
	Instrument ID: CMSP2									

Client Sample ID: MW-50S — Lab Sample ID: 680-112021-30

Date Collected: 04/29/15 10:57 — **Matrix: Water**
Date Received: 04/29/15 13:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	5 mL	5 mL	381218	05/02/15 17:49	RWB	TAL SAV
	Instrument ID: CMSP2									

Lab Chronicle

Client: Environmental International Corporation
Project/Site: McKenzie Tank Lines/460002

TestAmerica Job ID: 680-112021-1

Client Sample ID: MW-51D — Lab Sample ID: 680-112021-31

Date Collected: 04/29/15 11:01 — **Matrix: Water**
Date Received: 04/29/15 13:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	5 mL	5 mL	381278	05/03/15 14:11	DJK	TAL SAV
	Instrument ID: CMSA2									

Client Sample ID: MW-52D — Lab Sample ID: 680-112021-32

Date Collected: 04/28/15 18:32 — **Matrix: Water**
Date Received: 04/29/15 13:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	381311	05/04/15 17:06	DJK	TAL SAV
	Instrument ID: CMSP2									

Client Sample ID: MW-53D — Lab Sample ID: 680-112021-33

Date Collected: 04/29/15 11:52 — **Matrix: Water**
Date Received: 04/29/15 13:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	381218	05/02/15 12:06	RWB	TAL SAV
	Instrument ID: CMSP2									

Client Sample ID: MW-54D — Lab Sample ID: 680-112021-34

Date Collected: 04/29/15 09:10 — **Matrix: Water**
Date Received: 04/29/15 13:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	381218	05/02/15 12:27	RWB	TAL SAV
	Instrument ID: CMSP2									

Client Sample ID: MW-55D — Lab Sample ID: 680-112021-35

Date Collected: 04/29/15 10:15 — **Matrix: Water**
Date Received: 04/29/15 13:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	5 mL	5 mL	381278	05/03/15 14:52	DJK	TAL SAV
	Instrument ID: CMSA2									

Client Sample ID: MW-56D — Lab Sample ID: 680-112021-36

Date Collected: 04/29/15 09:03 — **Matrix: Water**
Date Received: 04/29/15 13:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	381311	05/04/15 16:44	DJK	TAL SAV
	Instrument ID: CMSP2									

Lab Chronicle

Client: Environmental International Corporation
Project/Site: McKenzie Tank Lines/460002

TestAmerica Job ID: 680-112021-1

Client Sample ID: MW-U2 — Lab Sample ID: 680-112021-37

Date Collected: 04/28/15 17:39 — **Matrix: Water**
Date Received: 04/29/15 13:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	381218	05/02/15 13:10	RWB	TAL SAV
	Instrument ID: CMSP2									

Client Sample ID: PAW-3 — Lab Sample ID: 680-112021-38

Date Collected: 04/28/15 12:26 — **Matrix: Water**
Date Received: 04/29/15 13:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	381218	05/02/15 13:32	RWB	TAL SAV
	Instrument ID: CMSP2									

Client Sample ID: PAW-4 — Lab Sample ID: 680-112021-39

Date Collected: 04/28/15 14:35 — **Matrix: Water**
Date Received: 04/29/15 13:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	381218	05/02/15 13:53	RWB	TAL SAV
	Instrument ID: CMSP2									

Client Sample ID: RW-1 — Lab Sample ID: 680-112021-40

Date Collected: 04/27/15 15:00 — **Matrix: Water**
Date Received: 04/29/15 13:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	381218	05/02/15 14:36	RWB	TAL SAV
	Instrument ID: CMSP2									

Client Sample ID: RW-4 — Lab Sample ID: 680-112021-41

Date Collected: 04/27/15 15:51 — **Matrix: Water**
Date Received: 04/29/15 13:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	381218	05/02/15 11:44	RWB	TAL SAV
	Instrument ID: CMSP2									

Client Sample ID: TRIP BLANK — Lab Sample ID: 680-112021-42

Date Collected: 04/27/15 00:00 — **Matrix: Water**
Date Received: 04/29/15 13:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	381218	05/02/15 11:23	RWB	TAL SAV
	Instrument ID: CMSP2									

Lab Chronicle

Client: Environmental International Corporation
Project/Site: McKenzie Tank Lines/460002

TestAmerica Job ID: 680-112021-1

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Serial Number 93410

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location

Phone:
Fax.

PROJECT REFERENCE: McKenzie Tank Lines	PROJECT NO.: 460002	PROJECT LOCATION (STATE): GA	PAGE 1 OF 4
TAL (LAB) PROJECT MANAGER: Sheila Hoffman	P.O. NUMBER	CONTRACT NO.	STANDARD REPORT DELIVERY ●
CLIENT (SITE) PM: Alan Sanders	CLIENT PHONE: 770-772-7100	CLIENT FAX	DATE DUE: 4/5/13/15
CLIENT NAME: EIC	CLIENT E-MAIL: wgrant@eicusa.com		EXPEDITED REPORT DELIVERY (SURCHARGE) ○
CLIENT ADDRESS: 161 Kimball Bridge Rd Alpharetta, GA 30009			DATE DUE:
COMPANY CONTRACTING THIS WORK (if applicable)			NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

REQUIRED ANALYSIS: HCl 8260B

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	NUMBER OF CONTAINERS SUBMITTED	REMARKS
4/28/15	9:05	G-17	G	X				3	
4/28/15	15:48	G-19	G	X				3	
4/28/15	10:51	G-22	G	X				3	
4/27/15	12:24	MW-25	G	X				3	
4/27/15	12:53	MW-20	G	X				3	
4/27/15	17:36	MW-45	G	X				3	
4/27/15	10:31	MW-110	G	X				3	
4/28/15	16:58	MW-120	G	X				3	
4/28/15	9:41	MW-155	G	X				3	
4/27/15	19:15	MW-26	G	X				3	
4/27/15	17:51	MW-29	G	X				3	
4/28/15	18:22	MW-31	G	X				3	

680-112021 Chain of Custody

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	4/29/15	13:53						
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY (SIGNATURE)**	**DATE**	**TIME**

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
[signature]	04-29-15	1353	YES ○ NO ○		680-112021	3.4(CF) 3.8°C

TAL8240-580 (1008)

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5/5/2015

Serial Number 93946

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE: Mckenzie Tank Lines	PROJECT NO.: 460502	PROJECT LOCATION (STATE): GA
TAL (LAB) PROJECT MANAGER: Sheila Hoffman	PO NUMBER:	CONTRACT NO.:
CLIENT (SITE) PM: Alan Sanders	CLIENT PHONE: 770-772-7100	CLIENT FAX:
CLIENT NAME: EIC	CLIENT E-MAIL: wgrant@eicusa.com	
CLIENT ADDRESS: 161 Kimball Bridge Rd Alpharetta GA 30009		
COMPANY CONTRACTING THIS WORK (if applicable):		

PAGE 2 OF 4

STANDARD REPORT DELIVERY ●
DATE DUE 5/13/15

EXPEDITED REPORT DELIVERY (SURCHARGE) ○
DATE DUE

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

REQUIRED ANALYSIS: 8260B; HCl

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	NUMBER OF CONTAINERS SUBMITTED	REMARKS
4/28/15	16:47	MW-32	G	X				3	
4/28/15	9:51	MW-33	G	X				3	
4/28/15	10:43	MW-35	G	X				3	
4/27/15	18:45	MW-36	G	X				3	
4/28/15	15:12	MW-37S	G	X				3	
4/28/15	15:51	MW-38D	G	X				3	
4/28/15	12:26	MW-39D	G	X				3	
4/27/15	18:17	MW-40S	G	X				3	
4/27/15	16:42	MW-41D	G	X				3	
4/27/15	16:43	MW-42S	G	X				3	
4/27/15	16:56	MW-43D	G	X				3	
4/27/15	12:34	MW-44D	G	X				3	

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	4/29/15	13:53						

RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO	LABORATORY REMARKS
[signature]	04/29/15	1353	YES ○ NO ○		680-112021	3.4(CF) 3.8°C

TAL8240-680 (1008)

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Serial Number 93945

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE: McKenzie Tank Lines	PROJECT NO: 460002	PROJECT LOCATION (STATE): GA	PAGE 3 OF 4
TAL (LAB) PROJECT MANAGER: Sheila Hoffman	P.O. NUMBER	CONTRACT NO	STANDARD REPORT DELIVERY ● DATE DUE 5/13/15
CLIENT (SITE) PM: Alan Sanders	CLIENT PHONE: 770-772-7100	CLIENT FAX	EXPEDITED REPORT DELIVERY (SURCHARGE) ○ DATE DUE
CLIENT NAME: EIC	CLIENT E-MAIL: wgrant@eicusa.com		NUMBER OF COOLERS SUBMITTED PER SHIPMENT
CLIENT ADDRESS: 161 Kimball Bridge Rd Alpharetta GA, 30009			
COMPANY CONTRACTING THIS WORK (if applicable)			

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	8260B	4C1	REMARKS
4/27/15	13:06	MW-45S	G	X				3		
4/27/15	10:15	MW-46S	G	X				3		
4/27/15	11:36	MW-47D	G	X				3		
4/27/15	10:55	MW-48S	G	X				3		
4/29/15	10:07	MW-49D	G	X				3		
4/29/15	10:57	MW-50S	G	X				3		
4/29/15	11:01	MW-51D	G	X				3		
4/28/15	18:32	MW-52D	G	X				3		
4/29/15	11:52	MW-53D	G	X				3		
4/29/15	9:10	MW-54D	G	X				3		
4/29/15	10:15	MW-55D	G	X				3		
4/29/15	9:03	MW-56D	G	X				3		

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	4/29/15	13:53						

RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO	SAVANNAH LOG NO.	LABORATORY REMARKS
[signature]	04/29/15	1353	YES ○ NO ○		680-12021	3.4(CF) 3.8c

TAL8240-680 (1008)

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Serial Number 93978

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE: McKenzie Tank Lines	PROJECT NO.: 460002	PROJECT LOCATION (STATE): GA	PAGE 4 OF 4
TAL (LAB) PROJECT MANAGER: Sheila Hoffman	P.O. NUMBER	CONTRACT NO.	STANDARD REPORT DELIVERY ● DATE DUE 5/13/15
CLIENT (SITE) PM: Alan Sanders	CLIENT PHONE: 770-772-7100	CLIENT FAX	EXPEDITED REPORT DELIVERY (SURCHARGE) ○ DATE DUE
CLIENT NAME: EIC	CLIENT E-MAIL: wgrant@eicusa.com		
CLIENT ADDRESS: 161 Kimball Bridge Rd Alpharetta GA, 30009			
COMPANY CONTRACTING THIS WORK (if applicable)			NUMBER OF COOLERS SUBMITTED PER SHIPMENT.

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	8260B	HCl									REMARKS
4/28/15	17:39	MW-02	G	X				3										
4/28/15	12:26	PAW-3	G	X				3										
4/28/15	14:35	PAW-4	G	X				3										
4/27/15	15:00	RW-1	G	X				3										
4/27/15	15:51	RW-4	G	X				3										
—	—	TRIP BLANK		X				2										

NUMBER OF CONTAINERS SUBMITTED

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	4/29/15	13:53						
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO	SAVANNAH LOG NO.	LABORATORY REMARKS
[signature]	04/29/15	1353	YES ○ NO ○		680-112021	3.4(CF) 3.8°C

TAL8240-680 (1008)

Login Sample Receipt Checklist

Client: Environmental International Corporation

Job Number: 680-112021-1

Login Number: 112021

List Source: TestAmerica Savannah

List Number: 1

Creator: Banda, Christy S

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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	
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?	N/A	
There are no discrepancies between the containers received 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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Certification Summary

Client: Environmental International Corporation
Project/Site: McKenzie Tank Lines/460002

TestAmerica Job ID: 680-112021-1

Laboratory: TestAmerica Savannah

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Georgia	State Program	4	N/A	06-30-15
Georgia	State Program	4	803	06-30-15

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
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
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

HSI SITE 10406, FORMER MCKENZIE TANK LINES SITE

THIRD SEMI-ANNUAL PROGRESS REPORT

ATTACHMENT E
Monthly Summary of Hours Invoiced (May 2015 – Oct. 2015)

Environmental International Corporation
McKenzie Tank Lines VIRP Summary of Hours
May 2015 through October 2015

TASKS	May 15	Jun 15	Jul 15	Aug 15	Sep 15	Oct 15	TOTAL
VIRP	110.30	3.25	0.00	0.00	0.00	0.00	114
Postexcavation Sampling	1.00	0.00	0.00	0.00	0.00	0.00	1
Semi-Annual Report	162.52	11.50	0.00	0.00	0.00	0.00	174
Site Conceptual Model	17.00	27.75	56.18	54.75	18.75	0.00	174
Recovery Wells & Adl Delineation	0.00	18.50	101.90	24.50	20.73	80.45	246
Site meeting and budget	0.00	0.00	0.00	0.00	38.00	0.22	38
GW Sampling	0.00	0.00	0.00	0.00	0.00	185.32	185
TOTAL	**291**	**61**	**158**	**79**	**77**	**266**	**933**