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November 20, 2017

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: **Seventh 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 Seventh 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

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
111 GRANGE ROAD, PORT WENTWORTH, GA

SEVENTH VIRP SEMI-ANNUAL PROGRESS REPORT

11/20/2017

Submitted to:

GEORGIA ENVIRONMENTAL PROTECTION DIVISION
Georgia Department of Natural Resources
Response and Remediation Program
Suite 1054 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
Seventh VIRP Semi-annual Progress Report
Former McKenzie Tank Lines Site, Port Wentworth, Georgia
HSI Site No. 10406
November 20, 2017

"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

11/20/17
Date

Signature and Stamp

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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 "Seventh VIRP Semi-annual Progress Report" to Georgia Environmental Protection Division (EPD). This report chronicles project activities concerning the former MTL, Hazardous Site Inventory (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 during the period of from April 2017 through November 2017. This report documents the following tasks:

- Follow-up responses to the October 6, 2016 EPD Comment letter;
- The fourth semi-annual groundwater monitoring event;
- Additional preliminary groundwater monitoring of newly installed wells
- Additional soil delineation sampling in AOC-6;
- Installation/abandonment of monitoring wells at the Site

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

2.1 Follow up Responses to the October 8, 2016 Comment Letter

The following are follow-up responses on behalf of MTL to selected comments from EPD's review and list of comments letter, dated October 6, 2016 (EPD, 2016).

Comments and Responses

EPD Comment 3:

EPD concurs with abandoning monitoring wells G-22 and MW-U2; however, EPD does not concur with removing these well locations from the monitoring well network. If G-22 and MW-U2 are abandoned, please replace each well as close to its original location, depth and screen interval as possible, and follow EPA Region 4 SESD guidance documents for installing and abandoning monitoring wells. EPD understands that no well construction data exists for MW-U2. If abandoned, please replace MW-U2 to a depth representative of shallow groundwater contamination conditions.

Follow-up Response to EPD Comment 3:

Referring to the follow-up response to EPD Comment 3 discussed in the Sixth VIRP Semiannual Report (EIC, 2017a), EIC has prepared a discussion in Section 5 of the report to document the abandonment process that EIC utilized for wells MW-U2 and G-22 as well as the well installation method utilized to replace MW-36.

EPD Comment 4:

EPD concurs with the proposed additional soil samples to complete delineation in AOC-6.

Follow-up Response to EPD Comment 4:

As a follow-up response to EPD Comment 4 (EIC, 2017a) EIC has proceeded with additional soil sampling conducted in late April 2017. Details and analytical results of this sampling event are discussed in Section 4.0 of this report.

2.2 Follow-up Responses to the January 8, 2016 Comment Letter

The following discussion is a follow-up response, on behalf of MTL, to select comments from the EPD's review and list of comments letter, dated January 8, 2016 (EPD, 2016a) that were originally addressed in the Fourth and Fifth Semi-annual Reports (EIC, 2016a, 2016b).

EPD Comment 6:

EPD does not concur with the conclusion that PCE and TCE have been delineated in groundwater to the Type I risk reduction standard (RRS). To complete the required delineation, please conduct additional groundwater investigations in the following locations:

To the south of MW-32 and MW-47D, between the wells and the surface water feature.

North of MW-44D, and east of MW-47D and MW-44D.

Follow-up Response to EPD Comment 6:

EIC has completed the installation of monitoring wells to the south of MW-32 and MW-47D. The installation of these monitoring wells is chronicled in Section 5.0. These wells were incorporated in the October 2017 groundwater monitoring event conducted by EIC. The results of the October 2017 monitoring event will be presented in the next VIRP Semiannual Report. For reasons discussed in Section 5.0, EIC was unable to complete the installations for proposed wells north of well MW-44D, and east of wells MW-47D and MW-44D.

SECTION

3

3.0 Groundwater Monitoring

EIC conducted the eighth groundwater monitoring event of the VIRP in April 2017. During this monitoring event, EIC gauged the groundwater levels at all wells of the monitoring well network onsite, collected groundwater samples from each of these wells for laboratory analysis of four chlorinated volatile organic compound (CVOCs) constituents of concern (COCs) established in the VIRP along with other CVOCs and VOCs, and conducted other related tasks.

3.1 Groundwater Monitoring Objectives

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

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

3.2 Groundwater Monitoring Field Program

During the April 2017 monitoring event, EIC conducted groundwater monitoring activities at a total of 44 wells onsite. As documented in the VIRP, wells with screened intervals that are less than 20 feet below ground surface (bgs) were historically defined as shallow wells and those with screened intervals reaching greater than 20 feet bgs were defined as deep wells, regardless of the screened interval length (EIC, 2014a). Since this definition was accepted by the EPD, EIC has maintained this definition with newly installed wells. Accordingly, of the 44 wells monitored during this event, 19 are defined as shallow wells and 25 are defined as deep wells.

Four of the 25 deep wells are recovery wells (RW-1, RW-4, RW-8, and RW-9). Each of these recovery wells consists of a 4-inch internal diameter (ID) well casing/screen, with the exception of RW-4, which has a 6-inch ID well casing/screen. Of the remaining 21 deep monitoring wells, the IDs of the well casings/screens range in size from 3/4-inch to 2-inches.

In addition to the April 2017 monitoring event, that utilized all available wells onsite, EIC performed a subsequent onsite groundwater monitoring event in July 2017 utilizing three newly installed wells (G-22R, MW-57S, MW-58D) that EIC installed after the April 2017 monitoring event, as discussed in Section 5. As these wells are located in areas of the Site that are crucial for the delineation of the groundwater plumes at the Site, EIC gauged water levels and collected groundwater samples from each of these three wells during the July 2017 monitoring event. EIC referenced the groundwater levels and analytical results from the July 2017 event on the potentiometric surface and COC isoconcentration contour maps described in Sections 3.4.1 and 3.4.2, respectively, however, they were not considered by EIC in generating these maps, as this event occurred three months after the April monitoring event.

3.2.1 Sampling Protocol

EIC conducted the groundwater sampling program 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).

3.2.2 Site Access

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

3.2.3 Groundwater Gauging

Prior to sampling, EIC gauged each well with a decontaminated oil-water interface meter (or "probe") to determine the static depth to groundwater from the well top-of-casing (TOC). EIC utilized TOC elevations documented in recent well surveys to determine the current groundwater elevations. The gauging data for the April 2017 and July 2017 monitoring events are tabulated in Table 3-1.

3.2.4 Groundwater Sampling

Following the "low-flow" purge technique, noted in Section 3.2.1, 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. EIC determined the length of Teflon-tubing necessary to initially place the intake at the center of the wetted screened interval of each well by considering water levels gauged just prior to purging during this monitoring event and the available well construction data, as noted in EIC's well purging and sampling data field logs (Attachment 3-1). To determine the tubing length, EIC also considering that additional tubing may be needed should it become necessary to lower the tubing below the initial intake depth due to drawdown causing the water level to reach the initial tubing intake, as described following.

Groundwater stabilization parameters were monitored via direct pumping to a multi-parameter field water quality meter equipped with a flow-through cell. These parameters were recorded at approximately five-minute intervals on EIC field logs during both the April and July 2017 monitoring events (Attachments 3-1 and 3-2, respectively). 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 was decreased, and/or the tubing depth increased when drawdown lowered the water level to the tubing intake level, causing air to be pumped.

When purging 1-inch and 3/4-inch diameter wells, while the Teflon tubing (that has a 3/8-inch outer diameter (OD)) was inserted in the well, the oil-water interface probe (that has a 5/8-inch OD) could not be simultaneously inserted into the well to gauge the depth to water due to space limitations. At these wells, gauging could only be performed just prior to inserting the tubing and immediately after the tubing was removed.

EIC collected all samples using the "soda straw method" specified in the SOP SESDPROC-301-R3 under the FBQSTP (EPA, 2013). Under this SOP, EIC considered that stabilization was reached when 3 consecutive groundwater quality parameter readings were within ± 0.1 standard units for pH and ± 5% for specific conductivity during purging. EIC made reasonable attempts 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 3-2.

It is important to note that during the July 2017 monitoring event, when EIC collected groundwater samples from wells G-22R, MW-57S, and MW-58D, EIC measured turbidity levels above 10 NTUs at each well prior to collecting each sample. EIC could not sample after lower NTUs had been reached due to time constraints. The high turbidity was most likely due to well development activities conducted after each well was installed. All other parameters, however, had stabilized at each of these wells prior to sample collection.

3.2.5 Sample Custody and Laboratory Analysis

Immediately after each sample set was collected, the sample bottles were labeled, and the samples were stored with ice in double-sealed bags in laboratory-provided insulated containers ("coolers") provided by the contracted laboratory. EIC maintained the temperature of the samples in these containers with sufficient ice, kept completed chain-of-custody forms with all samples, and kept

custody of the samples at all times until EIC relinquished the samples to the laboratory.

EIC delivered the samples to Analytical Environmental Services, Inc. in Atlanta, Georgia - a Georgia Department of Natural Resources (DNR) certified laboratory. The laboratory conducted analysis of volatile organic compounds according to EPA method 8260B. The laboratory reports for both the April 2017 and July 2017 monitoring events are included as Attachment 3-3 and Attachment 3-4, respectively. The analytical results of samples collected from both the shallow and deep wells are summarized in Tables 3-3 and 3-4, respectively, along with historical analytical results.

3.3 Quality Assurance and Quality Control

To prevent cross-contamination, new disposable Teflon-lined tubing was utilized to collect a groundwater sample at each well. EIC decontaminated its oil/water interface meter and any of its other reusable field equipment that came in contact with groundwater prior to use and between sample locations. EIC accomplished this by first washing this equipment with a pressurized phosphate-free detergent solution and then rinsing with pressurized de-ionized (DI) water. EIC also utilized brushes and/or wipes if necessary.

After each sample was collected, the water quality parameters instrument flow-through cell was opened and 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 laboratory-provided trip blank set in each of the sample containers. The laboratory analyzed each trip blank via EPA method 8260B as with the groundwater samples collected at the Site.

3.4 Data Evaluation

EIC conducted an evaluation of the data compiled and tabulated from field measurements and laboratory analyses. This evaluation enabled the depiction of the groundwater potentiometric surface, as well as the extents of the prevailing COC plumes at the time of the April 2017 monitoring event.

It is important to note that the potentiometric surface maps and plume delineation maps presented in this report are based only on data EIC collected during the April 2017 monitoring event and don't include data EIC collected during the July 2017 monitoring event. EIC referenced the data EIC collected during the July 2017 monitoring event (regarding three wells) when preparing these maps, however, EIC did not consider this data to prepare either potentiometric surface contour nor COC isoconcentration contour maps.

As established in the VIRP, EIC has continued to distinguish between unconfined shallow and apparently partially confined deep aquifers in illustrating groundwater potentiometric surfaces and COC plumes. The following subsections describe EIC's evaluation of the shallow and deep potentiometric surfaces and the four COC plumes monitored at the Site.

3.4.1 Groundwater Potentiometric Surfaces

3.4.1.1 Shallow Groundwater Potentiometric Surface

The April 2017 groundwater gauging event data is summarized in Table 3-1. In addition, all historical shallow groundwater gauging data collected at the Site following the initiation of the VIRP program is summarized in Table 3-5. EIC compared the shallow well gauging data from the April 2017 monitoring event to each of the historical monitoring events.

Referring to Table 3-5, on average, the surface groundwater elevations at each utilized well across the Site for the April 2017 event, which define the shallow groundwater potentiometric surface, were higher than those of the November 2016 gauging event but, lower than the historical average observed since VIRP monitoring began in July 2014.

Utilizing the data presented in Table 3-1, EIC prepared a shallow groundwater potentiometric surface map, illustrated in Figure 3-1. Due to the historically anomalous groundwater elevation observed at well MW-2S, relative to the groundwater elevations at surrounding wells, the data from this well was not considered for potentiometric surface contouring. The anomaly observed at this well may have resulted from this well having a relatively shallow depth of completion (which is less than 10 feet bgs) relative to other shallow wells onsite and may represent perched groundwater conditions caused by confining and/or partially confining strata underlying this well.

EIC compared Figure 3-1 to previous shallow potentiometric surface maps included in all previous VIRP semi-annual progress reports (EIC 2014b, 2015a, 2015b, 2016a, 2016b, and 2017a). Based on the potentiometric surface during each of the seven gauging events under the VIRP, it is clearly evident that the 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.

3.4.1.2 Deep Groundwater Potentiometric Surface

As with the gauging data from the shallow wells at the Site, EIC compared gauging data from the deep wells from the April 2017 monitoring events to those of the previous seven gauging events that are summarized in Table 3-6. Referring to Table 3-6, the average potentiometric surface elevations in deep wells in April 2017 were higher than those of the previous November 2016 monitoring event but, lower than the historical average.

Utilizing the gauging data in Table 3-1, EIC prepared a deep groundwater potentiometric surface map, Figure 3-2. EIC then compared the potentiometric surface in Figure 3-2 to previous deep potentiometric surface maps included in all previous VIRP semi-annual progress reports. In comparing the potentiometric surface from the April 2017 event with those of previous seven groundwater monitoring events, it is apparent that groundwater generally flows from east-northeast to west-southwest across the Site. Additionally, it is apparent that the deep potentiometric surface has remained relatively stable in elevation over time.

3.4.2 Horizontal Extent of COC Plumes

The COCs at the Site established in the VIRP consist of the CVOCs tetrachloroethene or perchloroethene (PCE), trichloroethene (TCE), cis-1, 2 dichloroethene (DCE), and vinyl chloride (VC). Utilizing the analytical results summarized in Tables 3-3 and 3-4, EIC prepared Figures 3-3 through 3-10, which illustrate the horizontal extent of the four COC constituent plumes within both the defined shallow and deep aquifer horizons. In addition, the figures illustrate the horizontal extent of the plumes with concentrations both above RRS and above delineation criteria. The following four subsections describe the concentrations of each of the four COCs and the extents of the plumes in both the shallow and deep aquifer horizons, respectively.

3.4.2.1 PCE Plume

Utilizing the analytical results of samples collected during the April 2017 monitoring event, that are summarized in Tables 3-3 and 3-4, EIC prepared PCE isoconcentration maps to illustrate the horizontal extent of the PCE plume. The following subsections describe the PCE concentrations in both the shallow and deep aquifer horizons.

Shallow PCE

Figure 3-3 illustrates the horizontal extent of the shallow PCE plume based on samples from shallow wells during the April 2017 monitoring event. Referring to Figure 3-3, the shallow plume is confirmed to be above delineation criterion at wells MW-31, MW-32 and MW-50S. The shallow plume is also above RRS at MW-50S. PCE concentrations at all of the remaining monitoring wells were below the laboratory method detection limit (MDL). The November 2016 monitoring event is the first time - since the installation of MW-50S - that PCE concentrations at this well have been above RRS. During the previous April 2016 monitoring event, the PCE concentration observed at MW-50S was below MDL. EIC will continue to monitor the PCE concentration at MW-50S to determine if it persists above RRS.

Deep PCE

Figure 3-4 illustrates the horizontal extent of the deep PCE plume based on samples from deep wells during the April 2017 monitoring event. Referring to Figure 3-4, PCE concentrations at all wells sampled (apart from PAW-4) were below both the delineation criterion and RRS. PCE concentrations in PAW-4 were detected above the delineation criterion, but below the RRS. This represents an overall decrease in the concentrations and the extent of the plume, indicating that natural attenuation is occurring.

3.4.2.2 TCE Plume

Utilizing the analytical results summarized in Tables 3-3 and 3-4, EIC prepared TCE isoconcentration maps to illustrate the horizontal extent of the TCE plume. The following subsections describe the TCE concentrations in both the shallow and deep aquifer horizons.

Shallow TCE

Figure 3-5 illustrates the horizontal extent of the shallow TCE plume based on samples from shallow wells during the April 2017 monitoring event. Shallow TCE concentrations that exceeded the RRS and the delineation criterion were detected at monitoring wells MW-31, MW-32, and MW-50S. It is worth noting that the concentration observed at MW-50S (1,900 µg/L) has increased slightly since the previous November 2016 monitoring event (1700 µg/L). The overall extent of the shallow TCE plume has remained relatively the same since November 2016.

Deep TCE

Figure 3-6 illustrates the horizontal extent of the deep TCE plume based on samples from deep wells during the April 2017 monitoring event. Deep TCE concentrations that exceeded the RRS and the delineation criterion were found at monitoring wells MW-2D, MW-47D, and PAW-4. The overall extent and concentrations of the April 2017 deep TCE plume are similar to those which occurred during the November 2016 event, with the exception of a decrease in concentration observed at MW-44D from 16 µg/L in November 2016 to 3.9 µg/L (estimated value).

Former recovery wells RW-1 and RW-4 were not considered for contouring due to the effects of excessive siltation (which EIC has determined exists in these wells), due to possibly corroded well screens, or due possible other forms of screen interferences.

3.4.2.3 cis-1, 2 DCE Plume

Utilizing the analytical results summarized in Tables 3-3 and 3-4, EIC prepared DCE isoconcentration maps to illustrate the horizontal extent of the DCE plume. The following subsections describe the DCE concentrations in both the shallow and deep aquifer horizons.

Shallow DCE

Figure 3-7 illustrates the horizontal extent of the shallow DCE plume based on samples from shallow wells during the April 2017 monitoring event. Shallow DCE concentrations that exceeded the RRS occurred at monitoring wells MW-4S, MW-40S, and MW-50S. The overall extent of the shallow DCE plume during the April 2017 monitoring events were similar to that occurring during the November 2016 monitoring event. It should be noted, however, that the concentrations changed significantly within the plume, as compared with those of the November 2016 event, as follows: the concentration increased by approximately one-half at MW-4S, decreased by approximately one-third at MW-50S, and increased by approximately 3-fold at MW-40S. Overall, the peak concentration shifted from the trailing edge to the middle portion of the plume.

Deep DCE

Figure 3-8 illustrates the horizontal extent of the deep DCE plume based on samples from deep

wells during the April 2017 monitoring event. Deep DCE concentrations that exceeded the RRS occurred at monitoring wells MW-2D, MW-49D, MW-51D, PAW-4, RW-8, and RW-9. The overall extent of the April 2017 deep DCE plume was similar to the DCE plume of the November 2016 monitoring event. Monitoring well MW-53D was not considered for contouring due to the close proximity to wells with concentrations above RRS, such as RW-8. Historically, groundwater concentrations in this area have been above RRS and delineation criteria. Former recovery wells RW-1 and RW-4 were not considered for contouring due to the same reasons cited for the TCE plume.

3.4.2.4 VC Plume

Utilizing the analytical results summarized in Tables 3-3 and 3-4, EIC prepared VC isoconcentration maps to illustrate the horizontal extent of the VC plume. The following subsections describe the VC concentrations in both the shallow and deep aquifer horizons.

Shallow VC

Figure 3-9 illustrates the horizontal extent of the shallow VC plume based on samples from shallow wells during the April 2017 monitoring event. Shallow VC concentrations that exceeded the RRS occurred at monitoring wells MW-4S, MW-33, MW-40S, MW-46S, and MW-50S. The overall extent of the shallow VC plume decreased since November 2016, with concentrations decreasing below the RRS at wells MW-2S and MW-45S since November 2016. Concentrations increased slightly at wells MW-4S, MW-33, MW-40S, and MW-50S since November 2016. These increases may be due to the degradation of the parent COCs.

Deep VC

Figure 3-10 illustrates the horizontal extent of the deep VC plume based on samples from deep wells during the April 2017 monitoring event. Deep VC concentrations that exceeded the RRS occurred at monitoring wells MW-2D, MW-49D, MW-51D, MW-54D, MW-55D, PAW-4, RW-8, and RW-9. In general, the plume extent and concentrations were relatively similar to those of the November 2016 monitoring event, with the exception of an sharp increase in concentration at well RW-8 from 1.0 µg/L to 210 µg/L. Former recovery wells RW-1, RW-4 and monitoring well MW-53D were not considered for contouring for the same reasons they were not considered for the TCE plume. The overall extent of the deep VC plume slightly increased from the November 2016 to April 2017 groundwater monitoring events due to the increase in concentration at RW-8.

3.4.3 Horizontal Delineation of COC Plumes

As discussed further in Section 5.0, in April 2017, EIC attempted to install two additional monitoring wells up-gradient and east and northeast of wells MW-44D and MW-47D, respectively, for delineation purposes. However, due to flowing sand conditions encountered during drilling operations, EIC was unable to install the two additional monitoring wells and EIC had the boreholes grouted. In May 2017, EIC successfully installed three additional monitoring wells, G-22R (downgradient and southwest of G-22 – which was abandoned) and wells MW-57S

and MW-58D (down-gradient and southwest of wells MW-32 and MW-47D, respectively) for delineation purposes.

Based on results from the April 2017 monitoring event, it is apparent that the horizontal delineation of both the PCE and DCE plumes are complete. However, the horizontal delineation of the TCE and VC plumes are not complete. From Figure 3-6, the horizontal delineation of the deep TCE plume is not complete to the east (hydraulically up-gradient) of MW-47D. From Figure 3-9, horizontal delineation of the shallow VC is not complete to the east and north (hydraulically up-gradient) of MW-46S.

3.4.4 Vertical Delineation of COC Plumes

Of the current monitoring well network, well MW-35 is the deepest known well within the footprint of the COC plumes. This well is also located near the downgradient extent or leading edge of the COC plumes. Based on gauging measurements that EIC has collected and historical well data provided by a previous consultant, the total depth of MW-35 is 38.02 feet bgs. MW-35 has a 10-foot screen interval at the well bottom. Under the VIRP, EIC has sampled this well since February 2014. The associated analytical data for samples collected from the well is tabulated in Table 3-4.

Referring to Table 3-4, the concentrations of all monitored COCs in groundwater samples collected from MW-35 have consistently been below MDLs during all monitoring events since February 2014, with the exception of a concentration of 0.58 µg/L of DCE in April 2016 - which is well below the established RRS limit of 204 µg/L for DCE. EIC will continue to include well MW-35 in the monitoring program, but it appears that the vertical delineation of the plume has been completed.

3.4.5 Plume Attenuation and Stability

Based on the relatively high concentrations and horizontal extent of PCE degradation products observed at the Site in groundwater relative to PCE itself, it is clearly evident that natural attenuation of COCs dissolved in groundwater is occurring at the Site. Also, an overall comparison of the COC plume concentrations and horizontal extents between the July 2014 baseline monitoring event (that followed the installation of 20 new monitoring wells) and the April and July 2017 monitoring events indicates that the plumes are confined to a relatively small area within the Site and continue to decrease in concentration. This finding substantiates plume stability. EIC will continue to evaluate this trend and evaluate the extent of natural attenuation while implementing plans for active remediation.

SECTION

4

4.0 Soil Delineation

4.1 Background

As discussed in previous semi-annual reports, EIC has completed the delineation of COCs in soil and sediments within nine of the ten areas of concern (AOCs) established in the VIRP for the Site, as well as two additional areas identified by the EPD, which are discussed in the Fifth VIRP Semiannual Progress Report. As discussed in the previous Fifth VIRP Semiannual Report, the horizontal delineation of AOC-6 was incomplete as of the July 2016 soil sampling event conducted by EIC. Following the submittal of the Fifth VIRP Semiannual Report, EIC conducted additional soil sampling within AOC-6 for delineation purposes in April 2017.

It is important to note that the water table in appears to be close to the ground surface at AOC-6. As such, there are areas west of AOC-6 where soil is fully saturated with groundwater up to ground surface, thus limiting the available area for soil sampling. EIC computed the depth to groundwater near AOC-6, utilizing historical groundwater gauging data from nearby wells, to determine where the soil is potentially saturated.

Based on this analysis, EIC determined that the soil, to the immediate west of the original AOC-6 boundary, is fully saturated up to ground surface. This site condition limits further horizontal extent delineation sampling in this area. Consequently, EIC utilized the eastern limit of saturated soils as the limits of sampling for collecting additional samples. The resulting sampling locations represent the farthest extent at AOC-6 where soil samples may be collected for delineation purposes. The soil saturation line near AOC-6 is illustrated in Figure 4-1 that includes the latest soil boring locations from April 2017.

The following subsections describe the soil sample locations and their collection, handling, and analysis regarding the April 2017 soil sampling event.

4.2 Sample Locations

Based on the results of previous soil and sediment sampling activities, EIC determined the locations for additional proposed soil delineation sampling. As discussed in Section 4.1, EIC identified boring locations west of AOC-6 and up to the soil saturation line illustrated in Figure 4-1.

At AOC-6, additional soil borings were conducted approximately 10 feet west from the locations of previous soil borings conducted in July 2016, where soil concentrations for COCs were above the delineation criteria. A survey map of the boring locations is included as Attachment 4-1. Figure 4-1 illustrates the new locations and previous soil and sediment sample locations within AOC-6 with COC concentrations, as well as the approximate limits of soil saturation line west of AOC-6.

Referring to Figure 5-7 of the Second VIRP Semi-annual Progress Report (EIC, 2015a), soil COC concentrations in one sample (AOC6-SD-3) collected within AOC-6, were above the delineation criteria. To further delineate the COCs in surrounding soil/sediment, EIC conducted additional soil and sediment borings within AOC-6 at sampling locations that extended westward from the most recent prior soil borings in the established grid pattern described in the Second VIRP Semi-annual Progress Report.

Considering that EIC extended horizontal soil delineation to the west of AOC-6, EIC encountered several large trees in these locations that block or impede sampling processes. As such, EIC collected samples as close to the original proposed boring locations as possible to stay away from large trees trunks.

4.3 Sampling Procedures

Following the soil sample collection guidelines specified in SESDPROC-300-R3 (EPA, 2014b), a hand-operated sand probe with disposable acetate sleeve inserts was utilized to collect soil cores at each boring location. Since the groundwater depth at AOC-6 typically ranges from 0 to 3 feet bgs, soil borings were conducted from 0 to 3 feet bgs or less if groundwater was reached.

As needed, EIC utilized a photo-ionization detector (PID) instrument to screen each core sample for VOCs prior to sample collection. If PID readings were elevated, EIC biased soil samples to the approximate location within the soil core where the PID readings most exceeded background concentrations. If PID readings did not indicate relatively high levels of VOCs, EIC collected samples at a discrete depth between 0-2 ft. bgs or just above the saturation point from each soil core utilizing Terra-core soil sampling kits. The collection depths and other related data for each soil sample is tabulated in Table 4-1.

EIC individually labeled all sample bottles and placed them, along with laboratory-supplied temperature blanks, in insulated coolers with ice, continuously maintained ice in the coolers, and then relinquished the samples to a Georgia-certified laboratory for analysis using EPA Method 8260B. EIC also submitted signed chain-of-custody forms to the laboratory with the samples.

4.3.1 Decontamination Procedures

To ensure that reusable equipment utilized to collect soil and sediment samples did not cause cross-contamination during sampling activities, EIC implemented an extensive decontamination procedure after the collection of samples from each location. The following subsections describe the decontamination procedure for each sampling equipment type.

4.3.1.1 Sand Probe

EIC conducted both the sediment and soil borings within the relatively soft/loose sediment and soils within AOC-6 utilizing a metallic sand probe, disposable acetate sleeve inserts, and a sliding hammer. Prior to and following the collection of these samples with the sand probe, EIC dismantled and decontaminated the probe. The probe tube was filled with an Alconox solution, temporarily sealed, and agitated to remove any gross contamination. The tube was then scrubbed with a pipe brush. Smaller parts of the probe, such as a removable probe tip and extension rod cotter connecting pins, were decontaminated by submerging in a phosphate-free detergent (Alconox) and scrubbing with a wire brush. After the sand probe assembly was thoroughly washed, the assembly was rinsed with deionized water and allowed to dry before reassembling for reuse.

4.4 Quality Assurance and Quality Control

To insure the quality of each soil/sediment sample collected, laboratory-supplied liquid trip blanks were kept with all sample bottle sets in each cooler container at all times throughout all sampling activities and these were submitted to a Georgia certified laboratory along with the soil/sediment samples collected for analysis using EPA method 8260B (VOC analysis). Each trip blank was also analyzed using EPA method 8260B. The laboratory results for the July 2017 sampling event are presented in Attachment 3-4 and include the results of the trip blanks. The analytical results of the trip blanks document that all VOCs were below detection limits. This finding indicates that no cross-contamination from volatile constituents occurred within each sample cooler.

4.5 Analysis and Analytical Results

Each soil and sediment sample was analyzed by a Georgia certified laboratory (Analytical Environmental Services (AES)) using EPA method 8260B. The laboratory results for all samples collected are included in Attachment 3-4. Results for each sample collected are also tabulated in Table 4-1 and illustrated in Figures 4-1. The following subsections describe the sample results and subsequent delineation status for each AOC.

4.5.1 AOC-6 Delineation

As discussed in Section 4.2, EIC conducted 7 additional soil borings at AOC-6 to complete soil delineation sampling. In general, the additional soil borings were conducted approximately 10

feet west from the locations of previous soil borings where sample concentrations of COCs were reportedly above the delineation criteria.

The results for each additional soil sample collected within AOC-6 are presented in Table 4-1 and the boring locations are illustrated in Figure 4-1. Referring to Figure 4-1, it is apparent that soil and sediment within AOC-6 has been horizontally delineated to the north, south, and east. However, the soil samples collected along the western side of AOC-6 during this sampling event were above the delineation criteria. Since soil samples just above the depth of saturated soil have been collected at all soil borings within AOC-6, the soil in the vadose zone within AOC-6 has been vertically delineated.

As previously discussed, sample concentrations of COCs were above the delineation criteria of samples collected along the western side of AOC-6 in July 2017. However, due to the shallow depth to groundwater west of AOC-6, further delineation by collecting soil samples farther to the west would not have been practical due to the likelihood that the water table would be at or near the ground surface, making sampling of soil above the saturated depth nearly impossible. Considering that several groundwater monitoring wells adequately address the COCs in that area, EIC considers that COCs in the saturated soils have been horizontally delineated within and to the west of AOC-6 up to the soil saturation point illustrated in Figure 4-1.

SECTION

5

5.0 Well Installation & Abandonment

5.1 Background

The following subsections described the activities performed at the Site from April to November 2017, to improve the current groundwater monitoring well network for COC plume delineation purposes. EIC contracted a Georgia professional drilling company to complete the well abandonment and installation tasks described in the subsections below.

5.1.1 Damaged Well Replacement

During the November 2016 groundwater monitoring event, EIC discovered that monitoring well MW-36 had been destroyed, apparently due to a falling tree branch during a storm. The unprotected PVC well stick-up was broken off below the ground surface and surface soil had fallen into and plugged the PVC casing. As such, MW-36 could not be utilized in the November 2016 monitoring event and EIC determined that it was irreparable. In April 2017, EIC abandoned the remnant of MW-36 and installed replacement well MW-36R in close proximity.

5.1.2 Replacement Monitoring Well

EIC had observed that the groundwater recharge in monitoring wells G-22 and MW-U2 was historically low relative to the well bottom during sampling events. Upon further review, EIC found that these wells were relatively shallow, leading to a question on whether groundwater samples collected from these wells would yield data that is of value to the overall monitoring program. Consequently, EIC had proposed the abandonment of these two wells, as noted in the Fourth VIRP Semi-annual Progress Report. The EPD concurred with EIC's abandonment recommendations in its October 2016 VIRP comments letter. However, the EPD requested that each well be replaced with a comparable new shallow groundwater monitoring well as close to their original locations, depths, and screen intervals as possible.

As discussed in the Fifth VIRP Semi-annual Progress Report, EIC agreed that a well of comparable depth and screened interval should be installed to replace G-22 after its abandonment. However, EIC did not concur with replacing MW-U2, as there are several shallow groundwater monitoring wells nearby to the former MW-U2 sampling location. Accordingly, EIC only installed a replacement well for G-22 in May 2017.

5.1.3 Additional Delineation Monitoring Well Installation

In response to the EPD VIRP Comments Letter dated January 18, 2016, EIC completed the installation of monitoring wells MW-57S and MW-58D to further delineate groundwater contamination to the south of MW-32 and MW-47D. In addition to the installation of MW-57S and MW-58D, EIC attempted to install two new monitoring wells to complete up-gradient delineation of groundwater COCs north of MW-44D and east of MW-44D and 47D. EIC was unable to install these wells, however, due to severe "flowing sand" conditions encountered during drilling operations. The logged soil data for the attempted well borings, SB-1 and SB-2, is included as Figures 5-1 and 5-2, respectively.

5.2 Site Mobilizations

EIC completed the abandonment of monitoring wells MW-U2, MW-36, and G-22, along with the subsequent installation of replacement monitoring wells MW-36R and G-22R during two mobilizations, one in April and one in May of 2017. Additionally, EIC installed monitoring wells MW-57S and MW-58D in May of 2017 during the second mobilization. During each mobilization, EIC marked the proposed location of each monitoring well and completed a buried utility check. Prior to the first mobilization, MTL cleared brush from the proposed locations of wells MW-57S and MW-58D. EIC supervised the same professional drilling company crew to complete the abandonment and/or installation of each monitoring well.

5.3 New Monitoring Well Locations

EIC installed replacement monitoring wells G-22R and MW-36R in the vicinity of abandoned wells G-22 and MW-36 to facilitate continued monitoring at these respective locations. Although EIC attempted to locate well G-22R as close to G-22 as possible, the drilling rig utilized could not reach the base of an approximately 12-foot high earthen berm with steep sides, where G-22 was located. As such, EIC installed G-22R at the top of this berm. EIC also considered overhead power lines and buried power and communication lines along the berm that posed safety concerns in selecting the final location of G-22R approximately 100 feet south and downgradient of G-22. As with other shallow monitoring wells that EIC has installed at the site, to ensure a sufficient water column for groundwater sampling, G-22R was installed to a depth of approximately 20 feet below the ground surface – which is at the base of the berm in this situation.

EIC installed monitoring wells MW-57S and MW-58D to the south of wells MW-32 and MW-47D, respectively, between the wells MW-32 and MW-47D and a storm water retention

pond. Monitoring wells MW-57S and MW-58D were installed at the locations EIC selected to delineate PCE, TCE and the other established COCs DCE and VC in groundwater to Type IV RRS.

Following the installation of the aforementioned wells, EIC contracted a Georgia licensed surveyor to survey the horizontal coordinates as well as the top of casing, ground surface, and top of concrete pad elevations for all of the newly installed wells. The horizontal coordinates for each well were surveyed in the Georgia State Plane East coordinate system. The elevations were recorded in the NAVD88 vertical datum. All new and replacement monitoring well locations, as well as two attempted wells that were abandoned (soil borings SB-1 and SB-2) are illustrated on the attached survey map included as Attachment 4-1.

5.4 Well Installations

In general, all of the aforementioned monitoring wells were installed in accordance with SESDGUID-101-R1 (EPA, 2013) and the Water Well Standards Act of 1985, O.C.G.A. 12-5-120 (GA, 2011). Well construction/lithological logs for all four wells are included as Figures 5-3 through 5-6.

All wells were installed utilizing a Geoprobe® 7822DT model hollow-stem auger drill rig. EIC installed all four wells with a 20/30 filter sand pack, which extends from two feet below the screened interval to two feet above the screened interval. EIC selected the filter pack considering the soil type previously characterized and logged by EIC during previous monitoring well installations and from sieve analysis of soil samples collected during the installation of previous monitoring wells. All well materials such as filter pack sand, bentonite, and grout were tremi-piped into the annulus space of each well to avoid smearing the screened interval with bentonite and to prevent bridging.

After allowing the installed well materials in the annulus space of each well to set for 24-hours, each well was developed utilizing the surge-and-block method. EIC developed each well until the water produced from each well was either visibly clear or translucent or until at least 55 gallons of water were purged from the well.

In addition to the four monitoring wells, discussed in the preceding section, EIC attempted to install 2 additional monitoring wells to complete up-gradient delineation of groundwater COCs at the eastern portion of the Site. Due to severe "flowing sand" conditions encountered during drilling, however, EIC was unable to install these wells, as described in Section 5.1.3. EIC also characterized and logged the lithology of the soil at each location where EIC either installed or abandoned the boreholes for these wells. The well logs of the attempted well locations are illustrated in Figures 5-1 and 5-2 as SB-1 and SB-2, respectively.

5.5 Investigation Derived Waste

Solid investigation derived waste (IDW) composed of soil cuttings generated from well installation activities were containerized into a total of nine sealed 55-gallon drums that EIC

labeled. Liquid IDW from well development and decontamination activities was containerized in a total of six sealed 55-gallon drums that EIC labeled. EIC staged both the solid and liquid IDW drums in an area on a concrete apron adjacent to the western wall of the former Tire Shop for future disposal.

SECTION

6

6.0 Remedial Action

As a remedial action, EIC proposed two key measures in the VIRP (EIC, 2014a). These measures entail implementation of the following tasks:

1. Removal of principal threats through soil hot spot removal or other cost-effective attenuation mechanisms accounting for GPA's site redevelopment program, and
2. Enhanced attenuation of residual groundwater integrating GPA's site redevelopment layout.

The following subsections outline EIC's progress in meeting these goals.

6.1 Source (Hot Spot) Removal

Following the approval of the VIRP, EIC has collected and analyzed soil/sediment samples from 10 AOCs to delineate the extents of COCs that were above delineation criteria or RRS. Based on the analytical results, EIC concluded that the soil samples from three of the ten AOCs indicated the presence of soil contamination above RRS. These AOCs include AOC-3, AOC-4, and AOC-6. Since the contaminated soils in these AOCs can be a potential source for groundwater contamination at the Site, EIC prepared a draft work plan entitled "Source Removal Work Plan (SRRP)." The SRRP identifies the extents of soil contamination above RRS and proposes a remedial strategy for the source areas within each of the three targeted AOCs. The work plan is currently under review by the GPA.

The primary tasks under the SRRP are to excavate source material composed of soil/sediments from the three AOCs. Per the SRRP, the stockpiled excavated material generated from the removal process will be sampled/characterized and segregated, waste manifests prepared, and the IDW soil transferred to an approved disposal facility. Also, the excavation will then be backfilled with clean fill. The SRRP addresses tree and brush clearing activities, confirmation sampling, sampling/characterization of stockpiled soils, and the relevant health and safety protocols. Upon GPA's review and approval of the work plan, EIC will revise and finalize this document.

6.2 Enhanced Attenuation of Residual Groundwater

In accordance with the approved VIRP, EIC is currently designing an Enhanced Attenuation System (EAS) to remediate the prevailing COCs in groundwater. The EAS will facilitate the extraction of contaminated water from a series of recovery wells within the CVOC foot-print and the reinjection of treated water with or without nutrient addition via an exfiltration system to promote attenuation.

The exfiltration system, located hydraulically up-gradient of the prevailing CVOC plume, will return the treated water to the subsurface through below-grade discharge pipes located hydraulically up-gradient of the treatment zone. For redundancy, the design will include additional pipes beyond the required flow capacity. This redundancy will ensure that additional standby convenience pipes are available in the event that the primary discharge pipe is blocked or is operating in reduced discharge efficiency.

In developing the design for the EAS, EIC conducted a shallow infiltration test utilizing a small two-foot deep trench lying within silt strata. Based on the results of the infiltration test, EIC explored the potential for discharging the treated water into deeper strata through an exfiltration system. This stratum appears to have a relatively highly-permeable zone beginning at a depth of approximately five feet or less below the ground surface. Currently, EIC is preparing a work plan for the installation of such an exfiltration system. The exfiltration system will be installed in two 300-foot long trenches that will extend approximately 5 feet below grade.

SECTION

7

7.0 Summary

After the submittal of the Sixth Semi-annual Progress Report in May 2017, EIC continued the implementation of various tasks outlined in the VIRP and as directed by the EPD. The following paragraphs summarize these activities.

In April 2017, EIC conducted the first semi-annual groundwater monitoring event of 2017. This event served as the fifth round of groundwater monitoring after the installation of 20 new monitoring wells in February 2015. The data from this event was used for comparative analysis of characteristics of the COC plumes of this event with the characteristics of the plumes during previous monitoring events. Based on the relatively high levels of PCE degradation products observed at the Site that occurred during the April 2017 event, it is evident that natural attenuation is ongoing at the Site. EIC has noted fluctuations in collective COC concentrations within the center of the plume and these will be further evaluated by EIC. However, in general, the COC plume is stable and confined to a relatively small area within the Site and it continues to decrease in concentration.

In April and May 2017, EIC also completed the abandonment of three monitoring wells, G-22, MW-U2, and MW-36, and the installation of two replacement monitoring wells, MW-36R and G-22R. In addition to abandoning and replacing wells, EIC installed two new monitoring wells, MW-57S and MW-58D, to further delineate dissolved. With the installation of the two new monitoring wells and subsequent groundwater monitoring in July 2017, it is apparent that the COC plumes are now delineated to the south of MW-32 and MW 47D for the shallow and deep aquifers, respectively.

In July 2017, EIC completed additional soil delineation tasks at AOC-6 which resulted in delineating soil west of AOC-6 up to a line where water table lies at or near the ground surface. Since the soil west of this line is fully saturated, EIC considers that groundwater in soil west of this point will be monitored and remediated under the groundwater monitoring and remediation program established in the VIRP, respectively.

Based on extensive soil sampling, EIC has determined that the soil samples from three of the ten AOCs indicated the presence of COCs in soil at concentrations above RRS. In October, EIC completed the preparation of a work plan for source (hot spot) removal of contaminated soil

from AOCs 3, 4, and 6. In addition to the hot spot removal remediation tasks, EIC has initiated the preparation of a work plan for implementing a groundwater recovery and treatment system for the enhanced attenuation of dissolved COCs.

SECTION

8

8.0 Monthly Summary of Hours

A monthly summary of hours invoiced for the aforementioned tasks during the period from April 2017 through November 2017 is summarized in Attachment 8-1.

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.

EIC, 2015a. *Second VIRP Semi-annual Progress Report – HSI Site 10406, Former McKenzie Tank Lines Site.* Alpharetta, Georgia. May 18, 2015.

EIC, 2015b. *Third VIRP Semi-annual Progress Report – HSI Site 10406, Former McKenzie Tank Lines Site.* Alpharetta, Georgia. November 18, 2015.

EIC, 2016a. *Fourth VIRP Semi-annual Progress Report – HSI Site 10406, Former McKenzie Tank Lines Site.* Alpharetta, Georgia. May 19, 2016.

EIC, 2016b. *Fifth VIRP Semi-annual Progress Report – HSI Site 10406, Former McKenzie Tank Lines Site.* Alpharetta, Georgia. November 21, 2016.

EIC, 2017a. *Sixth VIRP Semi-annual Progress Report – HSI Site 10406, Former McKenzie Tank Lines Site.* Alpharetta, Georgia. May 19, 2017.

Georgia Environmental Protection Division (EPD), 2016. *Voluntary Remediation Program Progress Report McKenzie Tank Lines Site, HSI # 10406 Port Wentworth, Chatham County, Georgia Tax parcel ID #s 1-0729-01-007 & 1-0729-01-009.* Atlanta, Georgia. October 6, 2016.

United States 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.

HSI SITE 10406, FORMER MCKENZIE TANK LINES SITE
111 GRANGE ROAD, PORT WENTWORTH, GEORGIA

SEVENTH SEMI-ANNUAL PROGRESS REPORT

TABLES

Table 3-1: April 2017 Well Gauging Data

Well ID # (Dia., in.)	TOC Elevation* (ft., NAVD88)	DTW BTOC (ft.)	Groundwater Surface Elevation (ft., NAVD88)	Notes
Shallow Wells*[2]				
G-17 (1)	8.94	4.69	4.25	
G-19 (1)	9.85	5.80	4.05	
G-22R (2) *[3]	17.17	13.55	3.62	
MW-2S (2)	11.54	4.69	6.85	
MW-4S (2)	10.86	5.69	5.17	
MW-15S (1)	8.27	3.92	4.35	
MW-29 (1)	9.39	4.17	5.22	
MW-31 (1)	11.96	5.96	6.00	
MW-32 (1)	12.02	5.85	6.17	
MW-33 (1)	8.48	4.06	4.42	
MW-37S (2)	10.14	5.06	5.08	
MW-40S (2)	5.57	1.05	4.52	
MW-42S (2)	10.71	4.27	6.44	
MW-45S (2)	13.74	6.71	7.03	
MW-46S (2)	14.01	6.98	7.03	
MW-48S (2)	13.56	6.82	6.74	
MW-50S (2)	11.18	5.55	5.63	
MW-57S (2) *[3]	9.68	2.87	6.81	
PAW-3 (2)	11.83	5.75	6.08	
Deep Wells*[2]				
MW-2D (2)	11.39	4.59	6.80	
MW-11D (2)	16.07	9.05	7.02	
MW-14D (2)	12.06	6.53	5.53	
MW-26 (1)	8.42	3.24	5.18	
MW-35 (0.75)	6.28	1.06	5.22	
MW-36R (2)	7.80	N.M.	N/A	
MW-38D (2)	10.08	5.38	4.70	
MW-39D (2)	7.25	3.05	4.20	
MW-41D (2)	9.59	3.72	5.87	
MW-43D (2)	10.77	4.46	6.31	
MW-44D (2)	13.83	7.23	6.60	
MW-47D (2)	13.63	6.93	6.70	
MW-49D (2)	11.09	5.53	5.56	
MW-51D (2)	9.87	4.68	5.19	
MW-52D (2)	8.29	3.38	4.91	
MW-53D (2)	7.43	2.15	5.28	
MW-54D (2)	10.91	4.87	6.04	
MW-55D (2)	11.78	5.94	5.84	
MW-56D (2)	10.68	4.42	6.26	
MW-58D (2) *[3]	9.82	2.88	6.94	
PAW-4 (2)	11.99	5.67	6.32	
RW-1 (4) *[4]	11.69	4.98	6.71	
RW-4 (6) *[4]	13.25	6.60	6.65	
RW-8 (4)	7.43	2.33	5.10	
RW-9 (4)	11.79	5.49	6.30	

Notes:

ID - Identity

Dia. - Diameter

In. - Inches

ft. - Feet

BTOC - Below Top of Casing

DTW - Depth to Water

N.M. - Not Measured

N/A - Not Applicable

* - Top of casing (TOC) elevations are based on surveys conducted by Brewer Land Surveying in October 2013, EMC Engineering Services in June 2015, and Mock Surveying in January 2016 and May 2017

*[2] - Wells with screen intervals reaching depths greater than 20 feet below ground surface are considered deep wells, otherwise they are considered shallow wells

*[3] - Gauged during July 2017 monitoring event

*[4] - Gauged with GW pump removed from well

Table 3-2: Chronological Groundwater Quality Field Parameters Summary

Well ID # (Well Diameter, in.)	Sample Date	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	2.50	3.57
	7/16/2014	23.67	5.63	-16	0.265	112	0.49
	10/13/2015	25.89	5.65	-31	1.34	0.60	0.33
	4/19/2016	23.73	6.41	92	1.38	0.00	0.72
	11/2/2016	30.96	6.47	23	1.24	8.60	0.00
	4/26/2017	24.88	5.93	125	1.47	0.00	1.20
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	0.71
	7/17/2014	22.39	4.17	86	0.419	0.00	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	0.00	6.30
	10/14/2015	23.36	3.93	40	0.089	18.3	0.00
	4/20/2016	19.13	4.33	52	0.092	0.00	1.21
	11/3/2016	26.84	4.82	103	0.093	4.80	0.00
	4/27/2017	24.78	4.45	153	0.071	9.20	1.88
G-22	8/15/2013	22.29	5.72	118	0.357	0.00	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	0.00	1.67
	10/14/2015	22.70	5.36	-32	1.090	105	0.17
	4/20/2016	19.04	5.67	111	1.37	6.70	3.00
	11/3/2016	NM	NM	NM	NM	NM	NM
G-22R	7/12/2017	25.94	7.47	-31	0.288	47.30	0.60
MW-2D	8/12/2013	22.47	6.30	-64	0.759	27.0	0.41
	2/21/2014	18.67	6.07	-91	0.555	0.00	0.48
	7/19/2014	19.97	6.13	-50	0.486	0.00	0.40
	10/9/2014	20.58	6.61	-217	0.589	0.00	0.48
	4/27/2015	18.67	6.21	-54	0.513	9.40	0.00
	10/12/2015	21.21	5.87	46	0.484	0.00	0.42
	4/18/2016	23.67	5.95	111	0.407	4.50	0.49
	11/1/2016	22.69	5.17	117	0.407	1.90	0.52
	4/25/2017	21.32	5.68	113	0.22	0.00	1.90
MW-2S	8/13/2013	26.37	6.58	-35	1.160	0.00	0.58
	2/21/2014	15.59	6.74	-33	0.999	0.00	1.43
	7/18/2014	23.45	6.54	-62	0.895	4.50	2.78
	10/8/2014	20.82	6.65	-164	0.772	0.00	1.27
	4/27/2015	18.80	6.87	64	0.330	12.5	1.00
	10/12/2015	22.30	6.18	38	0.810	0.00	0.72
	4/18/2016	22.47	6.45	103	0.984	8.10	0.64
	10/31/2016	24.18	5.71	139	1.680	0.00	0.45
	4/25/2017	24.03	0.23	80	1.220	0.00	2.80
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	0.00	0.53
	10/9/2014	22.83	6.00	0.89	1.970	0.00	0.43
	4/27/2015	18.80	6.06	-50	1.850	3.10	0.00
	10/13/2015	22.88	5.25	-61	1.640	0.50	0.00
	4/20/2016	21.49	5.49	93	1.740	0.00	0.83
	11/3/2016	36.30	6.13	-50	1.220	18.6	0.00
	4/26/2017	29.18	6.60	-55	1.200	9.9	0.57

Table 3-2: Chronological Groundwater Quality Field Parameters Summary

Well ID # (Well Diameter, in.)	Sample Date	Temp (Celcius)	pH (SU)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)
MW-11D	8/13/2013	24.07	6.73	-22	0.498	0.00	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	0.00	0.77
	4/27/2015	17.30	6.40	-35	0.290	6.80	0.12
	10/12/2015	22.10	6.17	81	0.342	5.60	0.62
	4/18/2016	20.51	6.15	174	0.252	7.60	0.77
	10/31/2016	24.76	4.74	163	0.329	0.00	0.77
	4/24/2017	20.24	5.31	84	0.316	0.00	1.72
MW-14D	8/14/2013	21.19	6.81	-82	0.210	0.00	0.95
	2/21/2014	18.27	6.82	-55	0.235	2.00	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
	10/14/2015	24.48	6.05	-94	0.210	0.00	0.18
	4/20/2016	21.00	6.36	61	0.235	4.40	1.07
	11/3/2016	23.33	6.21	19	0.245	2.90	0.64
	4/27/2017	29.52	6.20	33	0.215	9.50	1.12
MW-15S	8/13/2014	22.67	6.60	-58	0.460	0.00	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	4.90	1.27
	4/28/2015	17.62	5.98	-34	0.377	0.00	1.20
	10/13/2015	22.87	7.07	10	0.395	0.00	0.82
	4/19/2016	23.40	7.06	73	0.404	0.00	0.74
	11/2/2016	28.95	7.07	-99	0.381	0.70	0.00
	4/26/2017	22.40	6.56	92	0.413	8.10	1.16
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	0.86
	10/7/2014	21.82	7.89	-126	0.490	9.00	1.00
	4/27/2015	18.82	8.14	-88	0.387	0.40	0.00
	10/15/2015	23.71	7.21	-78	0.387	4.90	0.00
	4/19/2016	21.82	7.61	16	0.418	0.00	0.86
	11/2/2016	30.28	7.85	2	0.377	1.70	0.77
	4/26/2017	24.79	9.06	-62	0.354	0.90	2.82
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	9.90	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
	10/12/2015	28.19	5.91	25	0.374	0.00	0.44
	4/19/2016	21.88	5.80	130	0.649	0.00	0.73
	11/2/2016	31.82	6.17	-5	0.950	4.00	0.00
	4/25/2017	23.22	6.16	50	0.571	0.70	0.42

Table 3-2: Chronological Groundwater Quality Field Parameters Summary

Well ID # (Well Diameter, in.)	Sample Date	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	0.00	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	0.00	0.66
	10/14/2015	21.20	5.58	89	0.970	24.4	0.77
	4/20/2016	22.80	5.36	96	0.746	4.00	0.00
	11/1/2016	28.33	6.27	-26	0.354	1.80	0.00
	4/27/2017	28.04	6.14	112	0.570	4.10	0.76
MW-32	8/15/2013	20.53	4.70	217	0.427	0.00	0.91
	2/20/2014	17.41	4.56	245	0.441	0.00	1.00
	7/16/2014	20.24	4.70	228	0.420	0.00	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	0.00	0.68
	10/14/2015	20.76	4.58	230	0.395	9.50	0.70
	4/20/2016	23.36	4.57	248	0.378	1.80	0.46
	11/1/2016	28.15	4.65	217	0.389	0.30	0.00
	4/27/2017	25.95	5.18	275	0.374	0.80	0.83
MW-33	8/13/2013	23.96	6.60	-46	1.410	4.00	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
	10/13/2015	23.32	7.03	-44	0.535	0.00	0.52
	4/18/2016	22.25	7.04	46	0.560	0.00	0.64
	11/2/2016	30.40	7.19	-80	0.483	2.00	0.00
	4/26/2017	24.65	6.43	0.613	1.700	1.55	2.28
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	8.40	1.26
	4/28/2015	18.05	8.14	-102	0.377	14.7	0.00
	10/13/2015	20.93	8.07	-87	0.400	23.3	0.76
	4/19/2016	23.23	8.72	-135	0.319	3.80	4.25
	11/2/2016	24.05	7.28	-2	0.386	0.00	0.72
	4/26/2017	27.24	7.32	17	0.398	0.00	1.46
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	8.10	0.54
	10/8/2014	26.11	7.55	-180	0.475	0.00	3.07
	4/27/2015	21.36	7.09	-44	0.400	0.00	1.54
	10/13/2015	21.98	6.59	-90	0.396	11.2	0.47
	4/19/2016	21.71	7.80	-101	0.346	6.10	0.39
	11/1/2016	NM	NM	NM	NM	NM	NM
MW-37S	4/28/2015	20.59	6.04	-38	0.240	0.00	0.63
	10/13/2015	26.69	5.81	-65	0.239	0.00	0.00
	4/20/2016	21.79	6.43	-86	0.241	8.70	0.00
	11/3/2016	29.35	6.47	-64	0.262	1.00	0.00
	4/27/2017	26.13	7.56	-97	0.264	6.50	0.48
MW-38D	4/28/2015	21.50	6.71	-62	0.853	0.00	0.87
	10/13/2015	26.13	6.53	-129	0.581	2.10	0.00
	4/20/2016	22.45	7.30	-91	0.443	3.10	0.00
	11/3/2016	32.22	7.31	-120	0.443	1.40	0.00
	4/27/2017	27.82	8.43	-3	0.374	0.10	0.53

Table 3-2: Chronological Groundwater Quality Field Parameters Summary

Well ID # (Well Diameter, in.)	Sample Date	Temp (Celcius)	pH (SU)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)
MW-39D	4/28/2015	18.40	7.06	-62	0.372	0.00	0.53
	10/13/2015	22.91	6.86	-81	0.356	0.00	0.00
	4/19/2016	21.56	8.19	-56	0.311	0.00	0.00
	11/2/2016	24.11	7.21	127	0.363	0.00	0.00
	4/27/2017	23.42	9.21	12	0.330	0.10	0.67
MW-40S	4/27/2015	19.51	6.86	-76	0.274	8.40	0.00
	10/13/2015	22.77	6.05	-88	0.272	0.00	0.00
	4/19/2016	23.10	7.34	-122	0.330	0.00	1.78
	11/2/2016	24.34	6.39	37	0.285	0.00	0.49
	4/27/2017	24.68	7.86	-107	0.262	0.00	0.75
MW-41D	4/27/2015	20.95	7.80	-93	0.335	47.1	0.00
	10/12/2015	25.31	7.51	-93	0.306	0.00	0.53
	4/19/2016	22.71	7.62	-4	0.325	0.00	0.79
	11/2/2016	29.03	7.87	-91	0.306	1.30	0.00
	4/25/2017	23.98	8.26	91	0.283	0.00	0.65
MW-42S	4/27/2015	25.77	11.24	-245	2.320	20.4	0.68
	10/12/2015	26.68	10.44	-237	0.711	11.3	0.46
	4/19/2016	26.28	9.07	-282	0.731	0.00	0.00
	11/1/2016	30.58	7.21	-97	1.140	1.40	0.00
	4/28/2017	25.43	7.60	-41	1.150	0.40	0.57
MW43D	4/27/2015	23.41	8.16	-81	0.317	70.2	0.67
	10/12/2015	26.27	7.23	3	0.435	9.60	0.00
	4/19/2016	28.30	8.08	40	0.329	4.00	0.00
	11/1/2016	30.15	7.22	78	0.479	4.00	0.00
	4/25/2017	23.65	8.19	-55	0.393	8.00	0.70
MW-44D	4/27/2015	24.80	5.16	58	0.662	5.30	0.86
	10/13/2015	26.06	5.56	-78	0.506	0.30	0.13
	4/18/2016	27.89	5.79	-15	0.610	7.20	0.00
	10/31/2016	34.49	5.51	20	0.508	0.00	0.00
	4/25/2017	22.65	5.82	-47	0.702	0.30	0.67
MW-45S	4/27/2015	25.37	4.78	69	0.621	3.40	0.86
	10/12/2015	28.14	5.23	-71	0.481	0.20	0.14
	4/18/2016	27.89	5.09	-43	0.669	5.70	0.20
	10/31/2016	34.56	5.16	22	0.575	0.30	0.00
	4/25/2017	22.46	5.47	24	0.795	0.00	1.38
MW-46S	4/27/2015	20.68	6.07	84	0.887	22.9	0.00
	10/12/2015	25.13	5.88	87	0.722	0.00	0.57
	4/18/2016	24.12	5.04	161	0.680	0.00	0.69
	4/24/2017	24.23	5.60	135	0.699	7.30	1.35
MW-47D	4/27/2015	19.62	6.42	96	0.462	159	0.84
	10/12/2015	22.09	6.29	-14	0.339	4.40	0.00
	4/18/2016	20.93	5.26	21	0.283	156	0.00
	10/31/2016	27.99	6.75	-84	0.409	2.90	0.00
	4/24/2017	19.58	6.69	13.3	0.330	6.60	0.66
MW-48S	4/27/2015	18.12	4.09	277	0.163	21.7	5.89
	10/12/2015	22.81	4.29	348	0.135	0.00	2.11
	4/18/2016	21.64	4.03	416	0.140	6.60	2.25
	10/31/2016	29.32	4.19	391	0.151	0.00	0.29
	4/27/2017	19.30	4.55	434	0.142	0.00	1.75

Table 3-2: Chronological Groundwater Quality Field Parameters Summary

Well ID # (Well Diameter, in.)	Sample Date	Temp (Celcius)	pH (SU)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)
MW-49D	4/29/2015	18.92	6.86	-78	0.574	17.5	0.00
	10/14/2015	25.49	7.12	-6	0.652	0.00	1.11
	4/21/2016	22.25	4.60	213	0.873	8.50	0.89
	11/3/2016	28.66	6.82	32	0.488	1.60	0.54
	4/27/2017	24.15	4.65	174	0.799	9.90	1.57
MW-50S	4/29/2015	18.98	5.01	87	0.763	22.4	0.00
	10/14/2015	27.37	4.41	63	0.763	0.00	5.51
	4/21/2016	23.58	6.41	73	0.676	0.00	1.51
	11/3/2016	30.90	4.83	125	0.762	0.00	0.41
	4/27/2017	24.15	4.65	174	0.799	9.90	1.13
MW-51D	4/29/2015	18.49	6.89	-59	0.450	0.00	1.01
	10/14/2015	21.29	7.69	-41	0.371	17.4	0.72
	4/20/2016	23.94	7.54	-5	0.326	2.90	0.00
	11/3/2016	32.86	7.57	-76	0.320	5.40	0.00
	4/27/2017	23.14	8.40	-81	0.440	0.70	0.92
MW-52D	4/28/2015	19.01	7.49	-103	0.349	10.4	0.00
	10/13/2015	21.59	7.09	-25	0.359	9.00	0.68
	4/20/2016	24.15	7.21	-82	0.284	82.0	0.05
	11/2/2016	23.84	6.77	23	0.302	9.20	0.10
	4/25/2012	23.55	6.38	95	0.230	4.60	1.81
MW-53D	4/29/2015	18.57	7.62	-114	0.326	1.50	0.00
	10/14/2015	23.94	7.59	-36	0.330	0.00	0.55
	4/20/2016	23.47	7.89	-76	0.286	0.40	0.00
	11/3/2016	33.09	7.79	-38	0.333	0.30	0.00
	4/26/2017	21.90	6.35	75	0.321	0.00	1.30
MW-54D	4/29/2015	18.20	7.55	-35	0.296	35.3	0.00
	10/14/2015	25.34	6.82	-100	0.308	0.10	0.00
	4/20/2016	22.57	6.84	13	0.336	0.00	0.66
	11/1/2016	29.96	7.73	-86	0.303	0.10	0.00
	4/25/2017	23.09	7.02	-1	0.318	0.00	1.49
MW-55D	4/29/2015	18.63	6.42	-49	0.589	0.00	0.92
	10/14/2015	26.31	6.86	-102	0.338	0.00	0.08
	4/21/2016	22.36	7.77	-121	0.308	1.40	0.39
	11/3/2016	28.46	7.86	-19	0.350	0.00	0.41
	4/27/2017	22.00	6.90	149	0.348	0.00	1.95
MW-56D	4/29/2015	18.34	7.42	81	0.396	17.5	1.34
	10/14/2015	22.76	7.45	-28	0.319	0.00	0.67
	4/20/2016	21.91	6.56	23	0.350	0.00	0.82
	11/3/2016	26.71	6.91	-3	0.301	0.00	0.37
	4/25/2017	24.29	6.62	19	0.320	0.00	1.41
MW-57S	7/12/2017	26.78	5.51	97	0.592	69.60	0.53
MW-58D	7/12/2017	24.39	7.58	-14	0.261	257	0.86
MW-U2	4/28/2015	18.27	5.56	58	1.060	71.2	0.96
	10/14/2015	20.68	6.40	54	1.410	92.9	4.40
	4/20/2016	23.08	6.08	-20	0.804	529	153.00
	11/1/2016	NM	NM	NM	NM	NM	NM

Table 3-2: Chronological Groundwater Quality Field Parameters Summary

Well ID # (Well Diameter, in.)	Sample Date	Temp (Celcius)	pH (SU)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)
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	9.00	0.61
	7/19/2014	21.80	6.03	-38	0.683	0.00	0.41
	10/8/2014	23.73	6.43	-97	0.979	0.00	0.88
	4/21/2015	18.02	6.34	-25	0.440	5.60	0.00
	10/12/2015	21.45	5.98	38	0.503	4.10	0.98
	4/20/2016	21.71	5.95	57	0.561	0.00	0.63
	11/1/2016	29.07	6.29	-30	0.934	9.30	0.00
	4/25/2017	19.17	5.38	86	0.555	0.00	1.95
PAW-4	8/12/2014	18.65	6.03	-36	0.876	1.80	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	1.00	0.46
	10/8/2014	21.57	6.50	-66	0.490	0.00	0.83
	4/28/2015	19.34	5.41	92	0.328	150	0.00
	10/12/2015	21.32	5.21	104	0.354	9.90	0.85
	4/20/2016	21.51	5.06	119	0.348	0.00	0.93
	11/1/2016	27.75	6.45	-32	0.576	3.30	0.00
	4/25/2017	19.39	4.92	173	0.424	6.00	1.95
RW-1	8/13/2013	25.25	5.88	5	0.683	0.00	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	0.42
	10/8/2014	21.40	6.04	-52	0.707	0.00	1.07
	4/27/2015	19.86	6.35	-41	0.404	59.5	0.00
	10/13/2015	20.38	6.15	38	0.664	11.3	0.77
	4/19/2016	18.96	6.07	159	0.699	1.40	0.86
	11/3/2016	30.97	6.13	-20	0.638	7.40	0.00
	4/24/2017	21.00	5.58	56	0.752	0.00	2.66
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	8/12/2013	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	0.00	2.68
	4/27/2015	19.99	6.71	-74	0.725	111	0.00
	10/13/2015	21.03	6.76	-84	0.944	24.7	0.65
	4/19/2016	19.73	6.58	71	0.974	0.00	0.67
	11/1/2016	23.98	5.83	52	0.959	0.10	0.55
	4/25/2017	20.27	5.65	71	0.911	0.00	1.41
RW-5	8/12/2013	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	0.46
	10/9/2014	24.28	5.43	69	0.677	9.90	0.44
RW-6	8/15/2013	21.35	5.90	20	1.950	7.10	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	7.50	0.44
	10/8/2014	24.08	6.14	-93	1.820	0.00	0.79

Table 3-2: Chronological Groundwater Quality Field Parameters Summary

Well ID # (Well Diameter, in.)	Sample Date	Temp (Celcius)	pH (SU)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)
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	0.38
RW-8	4/21/2016	21.01	7.98	-112	0.303	2.10	0.16
	11/3/2016	34.17	7.80	-23	0.316	0.70	0.00
	4/27/2017	19.68	7.01	-69	1.810	14.50	1.19
RW-9	4/20/2016	24.19	5.86	71	0.704	0.00	0.72
	11/3/2016	28.13	6.54	17	0.370	0.00	0.57
	4/25/2017	24.97	5.50	95	0.826	9.60	1.40

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

* MW-35 was discovered during the July 2014 sampling event and the well formerly identified as MW-35 is considered to be MW-15S based on well design

SU - Standard Unit

mV - Millivolts

mS/cm - Microsiemens per centimeter

NTU - Nephelometric Turbidity Unit

mg/L - Milligrams per liter

McKenzie Tank Lines, Port Wentworth, GA

Table 3-3: Shallow Groundwater Constituents of Concern Cumulative Analytical Results

Constituent of Concern/Well ID	Shallow Wells																					
Date	G-17	G-19	G-22	G-22R	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	MW-57S	PAW-3	MW-U2
Tetrachloroethylene (PCE)	Type 4 RRS (µg/L)				98	Delineation Criteria (µg/L)			5												
Mar-93	NI	NI	NI	NI	2,390.00	1,910.00	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NU
Mar-94	NI	NI	NI	NI	U	2,900.00	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NU
Feb-96	NI	NI	NI	NI	NA	460.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NU
Mar-96	NI	NI	NI	NI	20.00	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NU
Sep-96	NI	NI	NI	NI	11,000.00	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NU
Oct-96	NI	NI	NI	NI	31.00	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NU
Apr-97	NI	NI	NI	NI	47.00	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NU
Jul-97	NI	NI	NI	NI	111.0	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NU
Oct-97	NI	NI	NI	NI	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	U	NU
Feb-98	NI	NI	NI	NI	81.90	267.00	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Jul-98	NI	NI	NI	NI	U	200.00	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Nov-98	NI	NI	NI	NI	NA	1,580.00	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Feb-99	NI	NI	NI	NI	**0.50**	80.00	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**1.4**	NU
Oct-99	NI	NI	NI	NI	**0.42**	1,490.00	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
May-00	NI	NI	NI	NI	U	1,343.00	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	9.4	NU
Jan-01	NI	NI	NI	NI	**4.80**	3,730.00	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**2.5**	NU
Aug-01	NI	NI	NI	NI	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Aug-01	NI	NI	NI	NI	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Nov-01	NI	NI	NI	NI	NA	250.00	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Dec-01	NI	NI	NI	NI	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Jan-02	NI	NI	NI	NI	<1	NA	<1	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<1	NU
Sep-02	NI	NI	NI	NI	NA	<25	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	13.0	NU
Oct-03	NI	NI	NI	NI	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.43	NU
Jan-04	NI	NI	NI	NI	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Nov-04	NI	NI	NI	NI	NA	6,300.00	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**3.1**	NU
May-05	NI	NI	NI	NI	NA	100.00 U	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Jun-05	NI	NI	NI	NI	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Jul-05	NI	NI	NI	NI	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<1	NU
Dec-05	NI	NI	NI	NI	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Oct-06	NI	NI	NI	NI	NA	146.0	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Apr-07	NI	NI	NI	NI	NA	NA	<0.3 U	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.3	NU
Nov-07	NI	NI	NI	NI	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Jun-08	NI	NI	NI	NI	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Jun-09	NI	NI	NI	NI	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Jul-10	NI	NI	NI	NI	NA	**0.2** U	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	34.0	NU
Dec-10	NI	NI	NI	NI	NA	U	NA	NI	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	NI	NA	NA	NA	**0.2** U	**3.8**	37.0	10.0 U	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Nov-11	NA	NA	NA	NI	NA	NA	NA	**0.2** U	15.0	14.0	NA	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Jun-12	NA	NA	NA	NI	**0.21** U	**0.3** U	NA	**0.3** U	**1.9**	NA	**2.5** U	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Aug-12	**0.2** U	**0.2** U	NA	NI	NA	NA	NA	NA	NA	41.0	NA	NI	NI	NI	NI	NI	NI	NI	NI	150.0	NU
Mar-13	NA	**0.2** U	NA	NI	**1.20**	12.0 U	NA	**0.3** U	**0.3** J	100.0	NA	NI	NI	NI	NI	NI	NI	NI	NI	9.0	NU
Aug-13	**1.9**	**2.3**	**3.1**	NI	<0.16	<0.16	**1.3**	**3.2**	**1.1**	160.0	**1.20**	NI	NI	NI	NI	NI	NI	NI	NI	<0,16 U	NU
Feb-14	<0.160 U	<0.160 U	<0.160 U	NI	**1.17**	**1.2**	<0.16 U	<0.160 U	**1.5**	102.0	**0.70** J	NI	NI	NI	NI	NI	NI	NI	NI	<0.160 U	NU
Jul-14	<0.16 U	<0.16 U	<0.16 U	NI	<0.16	<0.16	<0.16 U	<0.16 U	<0.16	120.0	<0.16 U	NI	NI	NI	NI	NI	NI	NI	NI	<0.16 U	NU
Oct-14	<0.15 U	<0.15 U	NS	NI	<0.15	<3.0 U	<0.15 U	<0.15 U	**1.8**	53.0	<0.30 U	NI	NI	NI	NI	NI	NI	NI	NI	<0.15 U	NU
Jan-15	<0.74 U	<0.74 U	<0.74 U	NI	**2.3**	<15 U	<0.74 U	<0.74 U	**1.1**	97.0	<3.7 U	NI	NI	NI	NI	NI	NI	NI	NI	<0.74 U	<0.74 U
Apr-15	<0.74 U	<0.74 U	<0.74 U	NI	**1.9**	<15 U	<0.74 U	<0.74 U	**2.8**	51.0	<3.7 U	<0.74 U	<37 U	<0.74 U	<0.74 U	<0.74 U	<0.74 U	25.0	NI	<0.74 U	<0.74 U
Oct-15	<0.74 U	<0.74 U	<0.74 U	NI	<0.74	<37 U	<0.74 U	<0.74 U	**3**	45.0	<0.74 U	<0.74 U	<37 U	<0.74 U	<0.74 U	<0.74 U	<0.74 U	35.0	NI	<0.74 U	<0.74 U
Apr-16	<0.74 U	<0.74 U	<0.74 U	NI	<0.74	<15 U	<0.74 U	<0.74 U	11	31	<0.74 U	**0.88** J	<37 U	<0.74 U	<0.74 U	<0.74 U	<0.74 U	<7.4 U	NI	<0.74 U	<0.74 U
Nov-16	<0.29 U	<0.29 U	<0.29 U	NI	<0.29	<0.29 U	<0.29 U	<0.29 U	14	26	<0.29 U	<0.29 U	<0.29 U	<0.29 U	<0.29 U	<0.29 U	<0.29 U	110.0	NI	<0.29 U	NU
Apr-17	<0.46 U	<0.46 U	NS	NI	<0.46	<0.46 U	<0.46 U	**0.46** U	<0.46 U	<0.46 U	<0.46 U	<0.46 U	<0.46 U	<0.46 U	<0.46 U	<0.46 U	<0.46 U	<0.46 U	NI	<0.46 U	NU
Jul-17	NS	NS	NS	<0.46	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**4.7** J	NS	NU

McKenzie Tank Lines, Port Wentworth, GA

Table 3-3: Shallow Groundwater Constituents of Concern Cumulative Analytical Results

Constituent of Concern/Well ID	Shallow Wells																				
Date	G-17	G-19	G-22	G-22R	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	MW-57S	PAW-3	MW-U2
Trichloroethylene (TCE)	Type 4 RRS (µg/L)				5	Delineation Criteria (µg/L)			5												
Mar-93	NI	NI	NI	NI	460.0	125.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NU
Mar-94	NI	NI	NI	NI	U	680.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NU
Feb-96	NI	NI	NI	NI	NA	500.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NU
Mar-96	NI	NI	NI	NI	270.0	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NU
Sep-96	NI	NI	NI	NI	400.0	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NU
Oct-96	NI	NI	NI	NI	5,450.0	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NU
Apr-97	NI	NI	NI	NI	180.0	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NU
Jul-97	NI	NI	NI	NI	338.0	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NU
Oct-97	NI	NI	NI	NI	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	U	NU
Feb-98	NI	NI	NI	NI	238.0	336.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Jul-98	NI	NI	NI	NI	86.0	680.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Nov-98	NI	NI	NI	NI	NA	1,630.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Feb-99	NI	NI	NI	NI	1.3	79.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	1,370.0	NU
Oct-99	NI	NI	NI	NI	1.5	1,590.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
May-00	NI	NI	NI	NI	1.5	1,807.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	826.0	NU
Jan-01	NI	NI	NI	NI	2.9	5,940.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	803.0	NU
Aug-01	NI	NI	NI	NI	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Aug-01	NI	NI	NI	NI	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Nov-01	NI	NI	NI	NI	NA	430.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Dec-01	NI	NI	NI	NI	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Jan-02	NI	NI	NI	NI	<1	NA	<1	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	726.0	NU
Sep-02	NI	NI	NI	NI	NA	500.0	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	300.0	NU
Oct-03	NI	NI	NI	NI	NA	680.0	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	340.0	NU
Jan-04	NI	NI	NI	NI	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Nov-04	NI	NI	NI	NI	NA	750.0	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	450.0	NU
May-05	NI	NI	NI	NI	NA	50.0 U	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Jun-05	NI	NI	NI	NI	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Jul-05	NI	NI	NI	NI	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	640.0	NU
Dec-05	NI	NI	NI	NI	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Oct-06	NI	NI	NI	NI	NA	528.0	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Apr-07	NI	NI	NI	NI	NA	NA	<0.3	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	230.0	NU
Nov-07	NI	NI	NI	NI	NA	NA	NL	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Jun-08	NI	NI	NI	NI	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Jun-09	NI	NI	NI	NI	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Jul-10	NI	NI	NI	NI	NA	48.0	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.2 U	NU
Dec-10	NI	NI	NI	NI	NA	480	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	30.0	NU
Mar-11	0.2 U	0.2 U	0.2 U	NI	NA	NA	NL	3.5	3.6	98.0	12.0 U	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Nov-11	NA	NA	NA	NI	NA	NA	NA	0.2	4.4	44.0	NA	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Jun-12	NA	NA	NA	NI	1.8	0.8 J	NL	0.2 U	1.3	NA	1.7 U	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Aug-12	0.2 U	0.2 U	NA	NI	NA	NA	NA	NA	NA	140.0	NA	NI	NI	NI	NI	NI	NI	NI	NI	0.3 J	NU
Mar-13	NA	0.2 U	NA	NI	2.0	NA	NL	0.2 U	1.4	140.0	NA	NI	NI	NI	NI	NI	NI	NI	NI	0.2 U	NU
Aug-13	<0.19	<0.19	0.9 J	NI	<0.19	2,200.0 D	<0.19	1.9	3.2	150.0	<0.19	NI	NI	NI	NI	NI	NI	NI	NI	<0.19	NU
Feb-14	<0.190	<0.190	<0.190	NI	1.9	3.1	<0.190	<0.190	3.3	99.5	<0.190	NI	NI	NI	NI	NI	NI	NI	NI	2.1	NU
Jul-14	<0.19	<0.19	<0.19	NI	3.4	<0.19	<0.19	<0.19	<0.19	120.0	<0.19	NI	NI	NI	NI	NI	NI	NI	NI	<0.19	NU
Oct-14	<0.13 U	<0.13 U	NS	NI	0.2	85.0	<0.13 U	0.3 J	6.0	54.0	<0.26 U	NI	NI	NI	NI	NI	NI	NI	NI	<0.15 U	NU
Jan-15	<0.48 U	<0.48 U	<0.48 U	NI	1.4	<9.6 U	<0.48 U	<0.48 U	1.5	65.0	<2.4 U	NI	NI	NI	NI	NI	NI	NI	NI	<0.48 U	<0.48 U
Apr-15	<0.48 U	<0.48 U	<0.48 U	NI	1.0	<9.6 U	<0.48 U	<0.48 U	7.4	30.0	<2.4 U	0.5 J	370.0	<0.48 U	<0.48 U	0.6 J	<0.48 U	120.0	NI	<0.48 U	<0.48 U
Oct-15	<0.48 U	<0.48 U	<0.48 U	NI	2.9	92.0	<0.48 U	<0.48 U	9.2	26.0	<0.48 U	0.8 J	26.0 J	<0.48 U	<0.48 U	<0.48 U	<0.48 U	240.0	NI	<0.48 U	<0.48 U
Apr-16	<0.48 U	<0.48 U	<0.48 U	NI	<0.48 U	11.0 J	<0.48 U	<0.48 U	13.0	20.0	<0.48 U	1.1	<24 U	<0.48 U	<0.48 U	<0.48 U	<0.48 U	<4.8 U	NI	<0.48 U	<0.48 U
Nov-16	<0.35 U	<0.35 U	<0.35 U	NI	<0.35 U	<0.35 U	<0.35 U	<0.35 U	36.0	15.0	<0.35 U	<0.35 U	<0.35 U	<0.35 U	<0.35 U	<0.35 U	<0.35 U	1,700.0	NI	<0.35 U	NU
Apr-17	<0.30 U	<0.30 U	NS	NI	<0.30 U	<0.30 U	<0.30 U	<0.30 U	10.0	16.0	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	1,900.0	NI	<0.30 U	NS
Jul-17	NS	NS	NS	<0.30	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5.8	NS	NU

McKenzie Tank Lines, Port Wentworth, GA

Table 3-3: Shallow Groundwater Constituents of Concern Cumulative Analytical Results

Constituent of Concern/Well ID	Shallow Wells																					
Date	G-17	G-19	G-22	G-22R	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	MW-57S	PAW-3	MW-U2
cis-1,2-Dichloroethylene	Type 4 RRS (µg/L)				204	Delineation Criteria (µg/L)			70												
Mar-93	NI	NI	NI	NI	U	U	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NU
Mar-94	NI	NI	NI	NI	U	U	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NU
Feb-96	NI	NI	NI	NI	NA	U	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NU
Mar-96	NI	NI	NI	NI	U	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NU
Sep-96	NI	NI	NI	NI	U	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NU
Oct-96	NI	NI	NI	NI	U	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NU
Apr-97	NI	NI	NI	NI	U	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NU
Jul-97	NI	NI	NI	NI	U	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NU
Oct-97	NI	NI	NI	NI	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	3,330.0	NU
Feb-98	NI	NI	NI	NI	8,920.0	838.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Jul-98	NI	NI	NI	NI	U	U	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Nov-98	NI	NI	NI	NI	NA	912.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Feb-99	NI	NI	NI	NI	64.2	96.1	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	2,350.0	NU
Oct-99	NI	NI	NI	NI	60.5	850.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
May-00	NI	NI	NI	NI	22.8	956.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	1,390.0	NU
Jan-01	NI	NI	NI	NI	31.2	7,580.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	1,500.0	NU
Aug-01	NI	NI	NI	NI	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Aug-01	NI	NI	NI	NI	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Nov-01	NI	NI	NI	NI	NA	360.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Dec-01	NI	NI	NI	NI	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Jan-02	NI	NI	NI	NI	37.0	NA	<1	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	1,800.0	NU
Sep-02	NI	NI	NI	NI	NA	660.0	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	740.0	NU
Oct-03	NI	NI	NI	NI	NA	4,100.0	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	820.0	NU
Jan-04	NI	NI	NI	NI	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Nov-04	NI	NI	NI	NI	NA	4,800.0	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	1,800.0	NU
May-05	NI	NI	NI	NI	NA	5,700.0	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Jun-05	NI	NI	NI	NI	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Jul-05	NI	NI	NI	NI	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	1,900.0	NU
Dec-05	NI	NI	NI	NI	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Oct-06	NI	NI	NI	NI	NA	2,410.0	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Apr-07	NI	NI	NI	NI	NA	NA	4.5	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	1,050.0	NU
Nov-07	NI	NI	NI	NI	NA	NA	NL	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NL	NU
Jun-08	NI	NI	NI	NI	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Jun-09	NI	NI	NI	NI	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Jul-10	NI	NI	NI	NI	NA	930.0	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	2.5	NU
Dec-10	NI	NI	NI	NI	NA	930.0	NL	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	200.0	NU
Mar-11	0.2 U	0.2 U	0.2 U	NI	NA	NA	NA	5.8	15.0	2200	5,100.0	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Nov-11	NA	NA	NA	NI	NA	NA	NA	0.2 U	4.4	110.0	NA	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Jun-12	NA	NA	NA	NI	1.0 J	4.6	NL	0.3 U	0.9 J	NA	1,300.0	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Aug-12	0.2 U	0.2 U	NA	NI	NA	NA	NA	NA	NA	270.0	NA	NI	NI	NI	NI	NI	NI	NI	NI	0.3 J	NU
Mar-13	NA	0.2 U	NA	NI	2.4	3,100.0	NL	0.3 U	2.3	540.0	NA	NI	NI	NI	NI	NI	NI	NI	NI	0.2 U	NU
Aug-13	<0.21	0.8	1.5	NI	16.0	6,500.0	<0.21	1.5	6.9	720.0 D	1,100.0 D	NI	NI	NI	NI	NI	NI	NI	NI	1.0 J	NU
Feb-14	<0.210	<0.210	<0.210	NI	11.8	639.0	<0.21	<0.21	7.1	775.0 D	2,230.0 D	NI	NI	NI	NI	NI	NI	NI	NI	4.8	NU
Jul-14	<0.21	<0.21	<0.21	NI	3.6	608.0 D	<0.21	<0.21	1.8	626.0 D	66.7 D	NI	NI	NI	NI	NI	NI	NI	NI	<0.21	NU
Oct-14	<0.15 U	<0.15 U	NS	NI	16.0	1,900.0	<0.15 U	0.4 J	12.0	320.0	340.0	NI	NI	NI	NI	NI	NI	NI	NI	0.8 J	NU
Jan-15	<0.41 U	<0.41 U	<0.41 U	NI	0.6 J	1,600.0	<0.41 U	<0.41 U	3.1	350.0	650.0	NI	NI	NI	NI	NI	NI	NI	NI	<0.41 U	<0.41 U
Apr-15	<0.41 U	<0.41 U	<0.41 U	NI	<0.41 U	1,400.0	<0.41 U	<0.41 U	18.0	140.0	270.0	5.5	5,300.0	<0.41 U	3.8	12.0	<0.41 U	1,200.0	NI	0.6 J	<0.41 U
Oct-15	0.6 J	<0.41 U	<0.41 U	NI	5.6	4,700.0	<0.41 U	<0.41 U	22.0	110.0	120.0	5.9	2,400.0	<0.41 U	17.0	7.0	<0.41 U	2,600.0	NI	<0.41 U	<0.41 U
Apr-16	<0.41 U	<0.41 U	<0.41 U	NI	8.1	6,100.0	<0.41 U	<0.41 U	38.0	90.0	88.0	8.1	1,900.0	<0.41 U	3.8	9.7	<0.41 U	600.0	NI	<0.41 U	<0.41 U
Nov-16	<0.27 U	<0.27 U	<0.27 U	NI	17.0	3,700.0	<0.27 U	<0.27 U	48.0	71.0	81.0	7.7	380.0	<0.27 U	19.0	9.4	<0.27 U	7,800.0	NI	<0.27 U	NU
Apr-17	<0.28 U	<0.28 U	NS	NI	10.0	6,000.0	<0.28 U	<0.28 U	46.0	78.0	92.0	12.0	1,000.0	<0.28 U	<1.4 J	8.0	<0.28 U	5,900.0	NI	<0.28 U	NS
Jul-17	NS	NS	NS	<0.28	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	19.0	NS	NU

McKenzie Tank Lines, Port Wentworth, GA

Table 3-3: Shallow Groundwater Constituents of Concern Cumulative Analytical Results

Constituent of Concern/Well ID	Shallow Wells																					
Date	G-17	G-19	G-22	G-22R	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	MW-57S	PAW-3	MW-U2
Vinyl Chloride	Type 4 RRS (µg/L)				3	Delineation Criteria (µg/L)			2												
Mar-93	NI	NI	NI	NI	8,830.0	U	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NU
Mar-94	NI	NI	NI	NI	1,200.0	U	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NU
Feb-96	NI	NI	NI	NI	78.0	U	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NU
Mar-96	NI	NI	NI	NI	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NU
Sep-96	NI	NI	NI	NI	280.0	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NU
Oct-96	NI	NI	NI	NI	676.0	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NU
Apr-97	NI	NI	NI	NI	2,200.0	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NU
Jul-97	NI	NI	NI	NI	380.0	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NU
Oct-97	NI	NI	NI	NI	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	U	NU
Feb-98	NI	NI	NI	NI	2,530.0	2.4	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Jul-98	NI	NI	NI	NI	1,800.0	U	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Nov-98	NI	NI	NI	NI	NA	1.8	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Feb-99	NI	NI	NI	NI	30.9	U	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	623.0	NU
Oct-99	NI	NI	NI	NI	37.1	4.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
May-00	NI	NI	NI	NI	9.8	7.6	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	130.0	NU
Jan-01	NI	NI	NI	NI	12.4	28.7	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	240.0	NU
Aug-01	NI	NI	NI	NI	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Aug-01	NI	NI	NI	NI	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Nov-01	NI	NI	NI	NI	NA	23.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Dec-01	NI	NI	NI	NI	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Jan-02	NI	NI	NI	NI	34.0	NA	<1	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	160.0	NU
Sep-02	NI	NI	NI	NI	NA	<25	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	33.0	NU
Oct-03	NI	NI	NI	NI	NA	40.0	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	53.0	NU
Jan-04	NI	NI	NI	NI	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Nov-04	NI	NI	NI	NI	NA	73.0	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	130.0	NU
May-05	NI	NI	NI	NI	NA	74.0	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Jun-05	NI	NI	NI	NI	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Jul-05	NI	NI	NI	NI	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	120.0	NU
Dec-05	NI	NI	NI	NI	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Oct-06	NI	NI	NI	NI	NA	20.0 U	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Apr-07	NI	NI	NI	NI	NA	NA	<0.4	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	138.0	NU
Nov-07	NI	NI	NI	NI	NA	NA	NL	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NL	NU
Jun-08	NI	NI	NI	NI	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Jun-09	NI	NI	NI	NI	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Jul-10	NI	NI	NI	NI	NA	28.0	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	1.8	NU
Dec-10	NI	NI	NI	NI	NA	28.0	NA	NI	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	NI	NA	NA	NL	0.3 U	0.3 U	2.0 J	190.0	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Nov-11	NA	NA	NA	NI	NA	NA	NA	0.3 U	0.3 U	0.4 J	NA	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Jun-12	NA	NA	NA	NI	0.3 U	0.1 U	NL	0.2 U	0.2 U	NA	230.0	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Aug-12	0.3 U	0.3 U	NA	NI	NA	NA	NA	NA	NA	1.4 J	NA	NI	NI	NI	NI	NI	NI	NI	NI	0.2 U	NU
Mar-13	NA	0.3 U	NA	NI	0.3 U	44.0	NL	0.2 U	0.2 U	4.0	NA	NI	NI	NI	NI	NI	NI	NI	NI	0.2 U	NU
Aug-13	<0.19 U	<0.19 U	<0.19 U	NI	<0.19 U	74.0	<0.19	<0.19	<0.19	2.9	150.0	NI	NI	NI	NI	NI	NI	NI	NI	<0.19	NU
Feb-14	<0.19 U	<0.19 U	<0.19 U	NI	<0.19 U	29.4	<0.19	<0.19	<0.19	2.9	177.0	NI	NI	NI	NI	NI	NI	NI	NI	<0.19	NU
Jul-14	<0.19 U	<0.19 U	<0.19 U	NI	<0.19 U	19.1	<0.19 U	<0.19	<0.19	2.3	104.0	NI	NI	NI	NI	NI	NI	NI	NI	<0.19	NU
Oct-14	<0.18 U	<0.18 U	NS	NI	3.0	110.0	<0.18 U	<0.18 U	<0.18 U	<0.9 U	63.0	NI	NI	NI	NI	NI	NI	NI	NI	0.8 J	NU
Jan-15	<0.50 U	<0.50 U	<0.50 U	NI	<0.50 U	64.0	<0.50 U	<0.50 U	<0.50 U	1.2 J	55.0	NI	NI	NI	NI	NI	NI	NI	NI	<0.50 U	<0.50 U
Apr-15	<0.50 U	<0.50 U	<0.50 U	NI	<0.50 U	53.0	<0.50 U	<0.50 U	<0.50 U	0.8 J	51.0	<0.50 U	<25 U	<0.50 U	<0.50 U	28.0	<0.50 U	67.0	NI	1.1	<0.50 U
Oct-15	<0.50 U	<0.50 U	<0.50 U	NI	<0.50 U	98.0	<0.50 U	<0.50 U	<0.50 U	0.5 J	36.0	<0.50 U	<25 U	<0.50 U	5.5	15.0	<0.50 U	140.0	NI	<0.50 U	<0.50 U
Apr-16	<0.50 U	<0.50 U	<0.50 U	NI	<0.50 U	140.0	<0.50 U	<0.50 U	<0.50 U	0.9 J	36.0	<0.50 U	<25 U	<0.50 U	<0.50 U	19.0	<0.50 U	60.0	NI	<0.50 U	<0.50 U
Nov-16	<0.42 U	<0.42 U	<0.42 U	NI	<0.42 U	140.0	<0.42 U	<0.42 U	<0.42 U	<0.42 U	35.0	<0.42 U	2.0 J	<0.42 U	5.1	12.0	<0.42 U	170.0	NI	<0.42 U	NU
Apr-17	<0.30 U	<0.30 U	<0.30 U	NI	<0.30 U	160.0	<0.30 U	<0.30 U	<0.30 U	<0.30 U	38.0	<0.30 U	4.1	<0.30 U	<0.30 U	6.2	<0.30 U	180.0	NI	<0.30 U	NS
Jul-17	NS	NS	NS	<0.30	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.30	NS	NU

Notes:

110 - Value exceeds risk reduction standards

5 - Value exceeds delineation criteria

0.3 - Value exceeds detection limits

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

McKenzie Tank Lines, Port Wentworth, GA

Table 3-4: Deep Groundwater Constituents 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	MW-58D	PAW-4	RW-1	RW-2	RW-3	RW-4	RW-5	RW-6	RW-7	RW-8	RW-9
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	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	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	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	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	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	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	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	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	NI	11.0	NI	NI	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	NI	NA	NI	NI	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	NI	NA	NI	NI	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	NI	NA	NI	NI	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	NI	5,650.0	NI	NI	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	NI	NA	NI	NI	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	NI	3,554.0	NI	NI	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	NI	3,270.0	NI	NI	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	NI	NA	NI	NI	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	NI	NA	NI	NI	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	NI	NA	NI	NI	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	NI	NA	NI	NI	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	NI	2,900.0	NI	NI	<25	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	NI	920.0	NI	350.0	NA	NI	NI	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	NI	1,300.0	NI	NA	NA	NI	NI	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	NI	NA	2,300.0	2,000.0	<150	NI	NI	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	NI	1,400.0	2,200.0	17,000.0	NA	NI	NI	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	NI	NA	NA	NA	NA	NI	NI	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	NI	NA	NA	NA	NA	NI	NI	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	NI	1,500.0	2,100.0	11,000.0	90.0	NI	NI	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	NI	NA	NA	NA	NA	1,500.0	400.0	NI	4,500.0	NI	NI
Oct-06	NA	NA	NA	NA	NI	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	NI	NI
Apr-07	NA	NA	NA	0.7 I*	NI	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	NI	NI
Nov-07	NA	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	1,900.0	NA	NA	1,500.0	NA	NI	NA	NI	NI
Jun-08	NA	NA	NA	NA	NI	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	NI	NI
Jun-09	110.0	NA	NA	1.5	NI	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	NI	NI
Jul-10	NA	NA	NA	NA	NI	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	NI	NI
Dec-10	NA	NA	NA	NA	NI	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	NI	NI
Mar-11	120.0	0.2 U	0.2 U	0.2 U	0.2 U	1.4	1.0 U	NI	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	NI	NI
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	NI	NA	590.0	490.0	50.0	NA	7,000.0	NA	7,700.0	NI	NI
Jun-12	55.0	NA	0.3 U	NA	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NA	NA	NA	NA	NA	NA	NA	NI	NI
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	NI	0.3 U	5.5	1,900.0	56.0	1,500.0	2,300.0	2.2	2,500.0	NI	NI
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	NI	0.3 U	4.6	2,200.0	54.0	1,200.0	820.0	0.3 U	2,500.0	NI	NI
Aug-13	300.0 D	<0.16	NA	NL	<0.16 U	NA	1.5	NI	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	NI	NI
Feb-14	482.0 D	<0.160	1.2 U	NL	<0.16 U	NA	<0.160 U	NI	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	NI	NI
Jul-14	285.0 D	<0.16	2.6	NL	<0.16 U	<0.16 U	<0.16 U	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	22.0	5.5	94.7	2,650.0 D	79.6	2,000.0 D	<0.16	44,700.0 D	NI	NI
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	NI	3.1	31.0	<1.5 U	3,900.0	530.0	840.0	<0.30 U	17,000.0	NI	NI
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	NI	150.0	1.0 J	<0.74 U	<37 U	11.0	1,100.0	<0.74 U	400.0	NI	NI
Apr-15	370.0	<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	36.0	<3.7 U	<3.7 U	<0.74 U	<0.74 U	<0.74 U	<7.4 U	<0.74 U	NI	150.0	6.0	NS	NS	<0.74 U	NS	NS	NS	NI	NI
Oct-15	190.0	<0.74 U	3.5	NL	<0.74 U	<0.74 U	<0.74 U	<0.74 U	<0.74 U	<0.74 U	<0.74 U	17.0	30.0	<3.7 U	<0.74 U	<0.74 U	<0.74 U	<0.74 U	<0.74 U	<0.74 U	NI	58.0	<0.74 U	NS	NS	<0.74	NS	NS	NS	NI	NI
Apr-16	110.0	<0.74 U	4.0	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	19.0	66.0	<0.74 U	<0.74 U	<0.74 U	<0.74	<0.74 U	<0.74 U	NI	74.0	<0.74 U	NS	NS	<0.74	NS	NS	NS	<0.74 U	<0.74 U
Oct-16	<0.29 U	<0.29 U	2.6 J	NL	<0.29 U	<0.29 U	NA	<0.29 U	<0.29 U	<0.29 U	<0.29 U	<0.29 U	<0.29 U	<0.29 U	<0.29 U	<0.29 U	<0.29 U	<0.29 U	<0.29 U	<0.29 U	NI	2.1 J	<0.29 U	NS	NS	<0.29 U	NS	NS	NS	<0.29 U	<0.29 U
Apr-17	<3.3 J	<0.46 U	<3.9 J	NS	<0.46 U	<0.46 U	NS	<0.46 U	<0.46 U	<0.46 U	<0.46 U	<0.46 U	<4.7 J	<0.46 U	<0.46 U	<0.46 U	<0.46 U	<0.46 U	<0.46 U	<0.46 U	NI	41.0	<0.46 U	NS	NS	<0.46 U	NS	NS	NS	<0.46 U	<0.46 U
Jul-17	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.46	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

McKenzie Tank Lines, Port Wentworth, GA
Table 3-4: Deep Groundwater Constituents 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		MW-58D		PAW-4		RW-1		RW-2		RW-3		RW-4		RW-5		RW-6		RW-7		RW-8		RW-9	
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		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		NI		NI		NI	
Feb-96	1,600.0		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		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		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		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		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		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		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		NI		121.0		NI		NI		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		NI		NA		NI		NI		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		NI		NA		NI		NI		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		NI		NA		NI		NI		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		NI		NA		NI		NI		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		NI		NA		NI		NI		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		NI		8.3		NI		NI		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		NI		5.3		NI		NI		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		NI		NA		NI		NI		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		NI		NA		NI		NI		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		NI		NA		NI		NI		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		NI		NA		NI		NI		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		NI		3.8		NI		NI		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		NI		6.1		NI		380.0		180.0		NI		NI		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		NI		<0.43		NI		NA		NA		NI		NI		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		NI		NA		2,000.0		1,300.0		430.0		NI		NI		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		NI		NA		200.0		4,900.0		NA		NI		NI		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		NI		NA		NA		NA		NA		NI		NI		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		NI		NA		NA		NA		NA		NI		NI		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		NI		<1		1,400.0		4,300.0		<20		NI		NI		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		NI		NA		NA		NA		NA		1,800.0		160.0		NI		1,300.0		NI		NI	
Oct-06	NA		NA		NA		NA		NI		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		NI		NI	
Apr-07	NA		NA		NA		3.5		NI		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		NI		NI	
Nov-07	NA		NA		NA		NA		NI		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		NI		NI	
Jun-08	NA		NA		NA		NA		NI		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		NI		NI	
Jun-09	97.0		NA		NA		2.1		NI		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		NI		NI	
Jul-10	NA		NA		NA		NA		NI		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		NI		NI	
Dec-10	NA		NA		NA		NA		NI		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		NI		NI	
Mar-11	260.0		0.2		0.2		0.2	U	0.2	U	2.1		130.0		NI		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		NI		NI	
Nov-11	NA		NA		NA		NA		0.2	U	0.2	U	NA		NI		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		NI		NI	
Jun-12	160.0		NA		0.3		NL		NA		NA		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NA		NA		NA		NA		NA		NA		NA		NA		NI		NI	
Aug-12	NA		0.3		NA		NA		0.2	U	0.2	U	0.7	I*	NI		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		NI		NI	
Mar-13	12.0		1.7		0.3		NL		NA		NA		0.6	J	NI		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		NI		NI	
Aug-13	490.0		<0.16		<0.16		NL		<0.19		NA		<0.19		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		9.0		0.6	J	680.0	D	430.0		760.0	D	1,200.0	D	1.0	J	5,700.0	D	NI		NI	
Feb-14	715.0		<0.160		1.2		NL		<0.160		NA		<0.190		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		15.3		9.2		1,180.0	D	595.0		13.0		1,440.0	D	5.3		4,010.0	D	NI		NI	
Jul-14	1,000.0	D	<0.19		2.3		NA		<0.19		<0.19		<0.19		NI		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	NI		NI	
Oct-14	370.0		<0.13	U	1.2		NL		<0.13	U	<0.13	U	<0.13	U	NI		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		0.4	J	11,000.0		NI		NI	
Jan-15	1,100.0		<0.48	U	2.2		NL		<0.48	U	<0.48	U	<0.48	U	NI		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		NI		NI	
Apr-15	1,200.0		<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	11.0		29.0		2.4	J	<2.4	U	<0.48	U	<0.48	U	<0.48	U	<4.8	U	<0.48	U	NI		29.0		4.3		NS		NS		0.9	J	NS		NS		NS		NI		NI	
Oct-15	920.0		<0.48	U	2.1		NL		<0.48		<0.48	U	<0.48	U	<0.48	U	<0.48	U	<0.48	U	<0.48	U	17.0		23.0		<2.4		<0.48	U	<0.48	U	<0.48	U	<0.48	U	<0.48	U	<0.48	U	NI		25.0		<0.48	U	NS		NS		0.7	J	NS		NS		NS		NI		NI	
Apr-16	610.0		<0.48	U	2.3		NL		<0.48	U	<0.48	U	<0.48	U	<0.48	U	<0.48	U	<0.48	U	<0.48	U	9.1		20.0		560.0		<0.48	U	<0.48	U	<0.48	U	<0.48	U	<0.48	U	<0.48	U	NI		26.0		<0.48	U	NS		NS		<0.48	U	NS		NS		NS		<0.48	U	<0.48	U
Oct-16	21.0		<0.35	U	3.3	J	NL		<0.35	U	<0.35	U	NA		<0.35	U	<0.35	U	<0.35	U	<0.35	U	16.0		7.5		<0.35	U	<0.35	U	<0.35	U	<0.35	U	<0.35	U	<0.35	U	<0.35	U	NI		9.0		<0.35	U	NS		NS		<0.35	U	NS		NS		NS		<0.35	U	<0.35	U
Apr-17	72.0		<0.30	U	<4.2	J	NS		<0.30	U	<0.30	U	NS		<0.30	U	4.3	J	<0.30	U	<0.30	U	<3.9	J	15.0		<0.30	U	<0.30	U	<0.30	U	<0.30	U	<0.30	U	<0.30	U	<0.30	U	NI		38.0		<0.30	U	NS		NS		<0.30	U	NS		NS		NS		<0.30	U	<1.9	J
Jul-17	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		<0.30		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	

McKenzie Tank Lines, Port Wentworth, GA

Table 3-4: Deep Groundwater Constituents 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**	**MW-58D**	**PAW-4**	**RW-1**	**RW-2**	**RW-3**	**RW-4**	**RW-5**	**RW-6**	**RW-7**	**RW-8**	**RW-9**
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	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	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	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	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	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	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	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	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	NI	3,990.0	NI	NI	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	NI	NA	NI	NI	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	NI	NA	NI	NI	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	NI	NA	NI	NI	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	NI	1,250.0	NI	NI	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	NI	NA	NI	NI	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	NI	131.0	NI	NI	NI	NI	NI	NI	NI	NI	NI
Jan-01	2,280.0		<1	<1	NI	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	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	NI	NA	NI	NI	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	NI	NA	NI	NI	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	NI	NA	NI	NI	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	NI	NA	NI	NI	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	NI	61.0	NI	NI	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	NI	17.0	NI	630.0	1,500.0	NI	NI	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	NI	9.8	NI	NA	NA	NI	NI	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	NI	NA	2,300.0	1,500.0	4,200.0	NI	NI	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	NI	4.4	2,800.0	7,000.0	NA	NI	NI	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	NI	NA	NA	NA	NA	NI	NI	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	NI	4.0	NA	NA	NA	NI	NI	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	NI	NA	1,700.0	7,600.0	<20	NI	NI	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	NI	NA	NA	NA	NA	2,000.0	120.0	NI	81,000.0	NI	NI
Oct-06	NA	NA	NA	NA	NI	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	NI	NI
Apr-07	NA	NA	NA	4.8	NI	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	NI	NI
Nov-07	NA	NA	NA	NA	NI	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	NI	NI
Jun-08	NA	NA	NA	NA	NI	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	NI	NI
Jun-09	360.0	NA	NA	3.2	NI	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	NI	NI
Jul-10	NA	NA	NA	NA	NI	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	NI	NI
Dec-10	NA	NA	NA	NA	NI	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	NI	NI
Mar-11	1,800.0	18.0	0.2 U	0.2 U	0.2 U	14.0	300.0	NI	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	NI	NI
Nov-11	NA	NA	NA	NA	0.2 U	0.2 U	NA	NI	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	NI	NI
Jun-12	650.0	NA	0.3 U	NL	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NA	NA	NA	NA	NA	NA	NA	NI	NI
Aug-12	NA	0.7 J	NA	NA	0.3 U	0.2 U	3.9	NI	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	NI	NI
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	NI	14.0	30.0	7,400.0	1,700.0	2,600.0	4,100.0	1.7	7,400.0	NI	NI
Aug-13	890.0 D	1.7	2.6	NL	<0.21	NA	2.5	NI	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	NI	NI
Feb-14	4,610.0 D	<0.210	5.2	NL	<0.21	NA	0.7 J	NI	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	8.2	10,200.0	NI	NI
Jul-14	1,780.0 D	<0.21	7.3	NA	<0.21	<0.21	<0.21	NI	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	NI	NI
Oct-14	1,600.0	1.0 J	4.0	NL	<0.15 U	<0.15 U	1.4	NI	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	NI	NI
Jan-15	3,100.0	<0.41 U	5.7	NL	<0.41 U	<0.41 U	1.1	NI	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	NI	NI
Apr-15	4,600.0	<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	18.0	39.0	450.0	400.0	<0.41 U	2.9	8.0	1,600.0	1.7	NI	38.0	8.8	NS	NS	1.8	NS	NS	NS	NI	NI
Oct-15	2,900.0	<0.41 U	4.7	NL	<0.41 U	<0.41 U	0.7 J	<0.41 U	<0.41 U	<0.41 U	<0.41 U	30.0	39.0	340.0	7.2	<0.41 U	1.5	8.7	3.8	<0.41	NI	36.0	17.0	NS	NS	2.7	NS	NS	NS	NI	NI
Apr-16	3,200.0	0.7 J	4.8	NL	<0.41 U	0.6 J	0.8 J	<0.41 U	<0.41 U	<0.41 U	<0.41 U	15.0	36.0	3,100.0	19.0	<0.41 U	1.6	8.7	120.0	0.6 J	NI	35.0	8.3	NS	NS	1.9	NS	NS	NS	2.2	160.0
Oct-16	430.0	2.6 J	7.1	NL	<0.27 U	<0.27 U	NA	<0.27 U	<0.27 U	<0.27 U	<0.27 U	31.0	40.0	160.0	4.6 J	<0.27 U	7.4	8.6	19.0	<0.27 U	NI	180.0	5.0	NS	NS	2.6 J	NS	NS	NS	2.7 J	150.0
Apr-17	470.0	<0.28 U	6.7	NS	<0.28 U	<0.28 U	NS	<0.28 U	9.0	<4.8 J	<0.28 U	12.0	32.0	1,000.0	620.0	<0.28 U	<0.28 U	5.4	9.3	<2.7 J	NI	230.0	5.2	NS	NS	1.4 U	NS	NS	NS	2,500.0	590.0
Jul-17	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.28	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

McKenzie Tank Lines, Port Wentworth, GA

Table 3-4: Deep Groundwater Constituents 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**	**MW-58D**	**PAW-4**	**RW-1**	**RW-2**	**RW-3**	**RW-4**	**RW-5**	**RW-6**	**RW-7**	**RW-8**	**RW-9**
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	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	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	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	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	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	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	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	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	NI	678.0	NI	NI	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	NI	NA	NI	NI	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	NI	NA	NI	NI	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	NI	NA	NI	NI	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	NI	467.0	NI	NI	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	NI	NA	NI	NI	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	NI	122.0	NI	NI	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	NI	144.0	NI	NI	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	NI	NA	NI	NI	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	NI	NA	NI	NI	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	NI	NA	NI	NI	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	NI	NA	NI	NI	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	NI	66.0	NI	NI	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	NI	13.0	NI	<1	52.0	NI	NI	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	NI	28.0	NI	NA	NA	NI	NI	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	NI	NA	150.0	68.0	350.0	NI	NI	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	NI	9.2	300.0	290.0	NA	NI	NI	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	NI	NA	NA	NA	NA	NI	NI	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	NI	NA	NA	NA	NA	NI	NI	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	NI	10.0	180.0	620.0	<20	NI	NI	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	NI	NA	NA	NA	NA	82.0	<5	NI	130.0	NI	NI
Oct-06	NA	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	121.0	<40	139.0	196.0	69.8	NI	262.0	NI	NI
Apr-07	NA	NA	NA	<0.4	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	3.8	NA	NA	190.0	NA	NA	NI	NA	NI	NI
Nov-07	NA	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NL	130.0	NA	NA	150.0	NA	NI	NA	NI	NI
Jun-08	NA	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NA	NA	NA	NA	NA	<0.52	NA	NI	NI
Jun-09	38.0	NA	NA	0.5 U	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	52.0	NA	100.0	170.0	89.0	0.7 J	NA	NI	NI
Jul-10	NA	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	33.0	NA	NA	NA	NA	NA	NA	NA	NI	NI
Dec-10	NA	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	33.0	NA	NA	190.0	NA	NA	NA	160.0	NI	NI
Mar-11	130.0	3.1	0.3 U	0.3 U	0.3 U	0.3 U	9.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	47.0	430.0	NA	280.0	970.0	1.6 U	NA	NI	NI
Nov-11	NA	NA	NA	NA	0.3 U	0.3 U	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	47.0	38.0	68.0	110.0	1,600.0	NA	130.0	NI	NI
Jun-12	70.0	NA	0.2 U	NL	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NA	NA	NA	NA	NA	NA	NA	NI	NI
Aug-12	NA	0.5 J	NA	NA	0.2 U	0.3 U	0.3 U	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	1.4	4.7	210.0	34.0	96.0	170.0	0.2 U	100.0	NI	NI
Mar-13	32.0	0.2 U	0.2 U	NL	NA	NA	0.2 U	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	3.7	9.8	340.0	76.0	250.0	200.0	0.2 U	240.0	NI	NI
Aug-13	92.0	<0.19 U	<0.19 U	NL	NA	<0.19	<0.19	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	25.0	3.8	370.0 D	160.0	42.0	650.0	<0.19	490.0 D	NI	NI
Feb-14	270.0 D	<0.19 U	<0.19 U	NL	NA	<0.19	<0.19	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	3.7	5.6	206.0 D	162.0	3.4	91.9	<0.19	355.0	NI	NI
Jul-14	162.0	<0.19 U	<0.19 U	NA	<0.190	<0.19	<0.19	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	12.2	4.1	76.2	236.0 D	4.0	88.5	<0.19	573.0	NI	NI
Oct-14	290.0	<0.18 U	<0.18 U	NL	<0.18 U	<0.18 U	<0.18 U	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	37.0	22.0	280.0	330.0	43.0	62.0	4.5	780.0	NI	NI
Jan-15	220.0	<0.50 U	<0.50 U	NL	<0.50 U	<0.50 U	<0.50 U	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	5.0	3.0	2.1	370.0	2.1	220.0	<0.50 U	550.0	NI	NI
Apr-15	270.0	<0.50 U	<0.50 U	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	0.5 J	<0.50 U	21.0	120.0	<0.50 U	<0.50 U	12.0	140.0	<0.50 U	NI	3.1	1.1	NS	NS	0.8 J	NS	NS	NS	NI	NI
Oct-15	380.0	<0.50 U	<0.50 U	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	11.0	6.6	<0.50 U	<0.50 U	14.0	3.5	<0.50 U	NI	4.2	3.2	NS	NS	<0.50 U	NS	NS	NS	NI	NI
Apr-16	310.0	<0.50 U	<0.50 U	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	120.0	18.0	<0.50 U	<0.50 U	17.0	7.2	<0.50 U	NI	4.4	2.5	NS	NS	<0.50	NS	NS	NS	1.2	76.0
Oct-16	550.0	<0.42 U	<0.42 U	NL	<0.42 U	<0.42 U	NA	<0.42 U	<0.42 U	<0.42 U	<0.42 U	3.0	<0.42 U	44.0	10.0	<0.42 U	1.6 J	15.0	16.0	<0.42 U	NI	38.0	2.4	NS	NS	1.3 J	NS	NS	NS	1.0 J	94.0
Apr-17	160.0	<0.30 U	<0.30 U	NS	<0.30 U	<0.30 U	NS	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	79.0	200.0	<0.30 U	<1.0 U	14.0	21.0 U	<0.30 U	NI	30.0	<2.2 U	NS	NS	<1.1 J	NS	NS	NS	<0.30	150.0
Jul-17	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.30	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Notes:

110 - Value exceeds risk reduction standards

5 - Value exceeds delineation criteria

0.3 - Value exceeds detection limits

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 3-5: Historical Groundwater Potentiometric Surface Elevations: Shallow Wells

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	Oct-15	Apr-16	Nov-16	Apr-17					
Shallow Wells														
G-17 (1)	8.94	6.40	3.94	6.39	6.26	4.79	3.84	3.64	4.25	3.64	6.40	2.76	4.94	1.48
G-19 (1)	9.85	5.94	3.40	5.67	5.48	4.80	3.85	3.85	4.05	3.40	5.94	2.54	4.63	0.95
G-22 (1)	9.36	4.05	2.59	4.33	4.28	3.51	2.51	2.40	ABD	2.40	4.33	1.93	3.38	0.75
MW-2S (2)	11.54	8.93	7.17	9.20	10.49	8.73	7.54	6.59	6.85	6.59	10.49	3.90	8.19	1.85
MW-4S (2)	10.86	5.29	4.58	5.67	6.03	5.21	4.62	5.03	5.17	4.58	6.03	1.45	5.20	0.24
MW-15S (1)	8.27	5.47	3.72	5.59	5.51	4.53	3.76	3.56	4.35	3.56	5.59	2.03	4.56	0.74
MW-29 (1)	9.39	7.31	5.35	6.93	7.43	6.22	6.50	4.98	5.22	4.98	7.43	2.45	6.24	0.93
MW-31 (1)	11.96	6.76	5.81	5.88	7.05	6.47	5.16	5.31	6.00	5.16	7.05	1.89	6.06	0.44
MW-32 (1)	12.02	7.00	6.04	7.24	7.51	6.82	6.52	5.56	6.17	5.56	7.51	1.95	6.61	0.43
MW-33 (1)	8.48	5.61	3.70	5.63	NM	4.36	3.81	3.75	4.42	3.70	5.63	1.93	4.47	0.70
MW-37S (2)	10.14	NI	NI	NI	5.59	5.21	4.89	4.81	5.08	4.81	5.59	0.78	5.12	0.09
MW-40S (2)	5.57	NI	NI	NI	5.39	4.48	3.97	4.14	4.52	3.97	5.39	1.42	4.50	0.30
MW-42S (2)	10.71	NI	NI	NI	7.22	6.47	6.31	5.60	6.44	5.60	7.22	1.62	6.40	0.33
MW-45S (2)	13.74	NI	NI	NI	7.93	7.27	6.99	6.41	7.03	6.41	7.93	1.52	7.13	0.30
MW-46S (2)	14.01	NI	NI	NI	7.90	7.67	7.32	6.47	7.03	6.47	7.90	1.43	7.28	0.31
MW-48S (2)	13.56	NI	NI	NI	8.32	7.46	7.11	5.90	6.74	5.90	8.32	2.42	7.11	0.80
MW-50S (2)	11.18	NI	NI	NI	6.72	5.75	5.40	4.96	5.63	4.96	6.72	1.76	5.70	0.42
MW-U2 (2)	10.91	NL	NL	6.93	8.73	7.92	6.51	NM	ABD	6.51	8.73	2.22	7.52	1.00
PAW-3 (2)	11.83	7.31	6.38	7.41	7.99	7.33	6.42	6.03	6.08	6.03	7.99	1.96	6.87	0.53
Event Min.*[2] (ft.)		4.05	2.59	4.33	4.28	3.51	2.51	2.40	4.05	**Global Min.*[3] (ft.)**			2.40	
Event Max.*[2] (ft.)		8.93	7.17	9.20	10.49	8.73	7.54	6.59	7.03	**Global Max.*[3] (ft.)**			10.49	
Event Range*[2] (ft.)		4.88	4.58	4.87	6.21	5.22	5.03	4.19	2.98	**Global Range*[3] (ft.)**			6.21	
Event Avg.*[2] (ft.)		6.37	4.79	6.41	6.99	6.05	5.42	4.94	5.59	**Global Avg.*[3] (ft.)**			6.99	
Event Var.*[2] (ft.)		1.70	2.10	1.55	2.24	2.12	2.26	1.39	1.08	**Global Var.*[3] (ft.)**			2.22	

Notes:

Top of casing (TOC) elevations are based on surveys conducted by Brewer Land Surveying in October 2013, EMC Engineering Services in June 2015, and Mock Surveying in January 2016.

*** - 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 2017 where available.

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

***[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 2017 where available.

NI - Not Installed N/A - Not Applicable ABD - Abandoned

NL - Not Located NM - Not Measured

Table 3-6: Historical Groundwater Potentiometric Surface Elevations: Deep Wells

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	Oct-15	Apr-16	Nov-16	Apr-17					
Deep Wells														
MW-2D (2)	11.39	6.76	6.16	7.34	7.41	6.97	6.48	6.11	6.80	6.11	7.41	1.30	6.75	0.24
MW-11D (2)	16.07	7.87	7.04	8.15	9.08	7.92	7.43	6.50	7.02	6.50	9.08	2.58	7.63	0.65
MW-14D (2)	12.06	6.87	5.38	6.09	6.44	5.86	5.63	5.32	5.53	5.32	6.87	1.55	5.89	0.30
MW-26 (1)	8.42	5.30	5.00	5.86	NM	5.50	5.01	5.02	5.18	5.00	5.86	0.86	5.27	0.10
MW-35 (0.75)	6.28	NL	NM	NM	6.08	5.57	5.18	4.96	5.22	4.96	6.08	1.12	5.40	0.19
MW-36 (0.75)	9.86	5.49	4.94	6.05	6.16	5.78	5.09	NM	ABD	4.94	6.16	1.22	5.59	0.25
MW-38D (2)	10.08	NI	NI	NI	5.54	4.94	4.68	4.70	4.70	4.68	5.54	0.86	4.91	0.13
MW-39D (2)	7.25	NI	NI	NI	5.07	4.42	4.02	4.00	4.20	4.00	5.07	1.07	4.34	0.19
MW-41D (2)	9.59	NI	NI	NI	6.67	5.97	5.44	5.46	5.87	5.44	6.67	1.23	5.89	0.25
MW-43D (2)	10.77	NI	NI	NI	7.16	6.58	6.11	5.78	6.31	5.78	7.16	1.38	6.39	0.27
MW-44D (2)	13.83	NI	NI	NI	7.45	6.94	6.68	6.20	6.60	6.20	7.45	1.25	6.77	0.21
MW-47D (2)	13.63	NI	NI	NI	7.66	7.20	6.86	6.05	6.70	6.05	7.66	1.61	6.89	0.36
MW-49D (2)	11.09	NI	NI	NI	6.44	5.74	5.25	5.28	5.56	5.25	6.44	1.19	5.65	0.23
MW-51D (2)	9.87	NI	NI	NI	6.10	5.26	4.77	4.67	5.19	4.67	6.10	1.43	5.20	0.32
MW-52D (2)	8.29	NI	NI	NI	5.60	5.16	4.69	4.55	4.91	4.55	5.60	1.05	4.98	0.17
MW-53D (2)	7.62	NI	NI	NI	6.11	5.37	4.73	4.72	5.28	4.72	6.11	1.39	5.24	0.33
MW-54D (2)	10.91	NI	NI	NI	7.09	6.30	5.93	5.45	6.04	5.45	7.09	1.64	6.17	0.36
MW-55D (2)	11.78	NI	NI	NI	6.76	6.18	5.73	5.20	5.84	5.20	6.76	1.56	5.94	0.33
MW-56D (2)	10.68	NI	NI	NI	7.37	6.55	6.13	5.60	6.26	5.60	7.37	1.77	6.38	0.42
PAW-4 (2)	11.99	6.67	5.99	6.96	7.49	6.77	6.21	5.66	6.32	5.66	7.49	1.83	6.51	0.34
RW-1 (4)	11.69	7.18	6.34	7.63	8.58	7.26	6.81	6.04	6.71	6.04	8.58	2.54	7.07	0.63
RW-2 (4)	9.24	6.62	5.76	7.03	NM	NM	NM	NM	ABD	5.76	7.03	1.27	6.47	0.42
RW-3 (6)	7.58	5.64	4.80	5.80	NM	NM	NM	NM	ABD	4.80	5.80	1.00	5.41	0.29
RW-4 (6)	13.25	6.90	6.15	7.27	8.10	7.19	6.57	5.91	6.65	5.91	8.10	2.19	6.84	0.48
RW-5 (6)	11.71	6.76	5.94	7.06	NM	NM	NM	NM	ABD	5.94	7.06	1.12	6.59	0.34
RW-6 (6)	10.12	5.44	4.67	5.64	NM	NM	NM	NM	ABD	4.67	5.64	0.97	5.25	0.26
RW-7 (6)	8.63	5.13	4.75	5.88	NM	NM	NM	NM	ABD	4.75	5.88	1.13	5.25	0.33
RW-8 (4)	7.43	NI	NI	NI	NI	NI	4.83	4.65	5.10	4.65	5.10	0.45	4.86	0.05
RW-9 (4)	11.79	NI	NI	NI	NI	NI	6.10	5.62	6.30	5.62	6.30	0.68	6.01	0.12
Event Min.*[2] (ft.)		5.13	4.67	5.64	5.07	4.42	4.02	4.00	4.20	**Global Min.*[3] (ft.)**		4.00		
Event Max.*[2] (ft.)		7.87	7.04	8.15	9.08	7.92	7.43	6.50	7.02	**Global Max.*[3] (ft.)**		9.08		
Event Range*[2] (ft.)		2.74	2.37	2.51	4.01	3.50	3.41	2.50	2.82	**Global Range*[3] (ft.)**		5.08		
Event Avg.*[2] (ft.)		6.36	5.61	6.67	6.87	6.16	5.68	5.37	5.84	**Global Avg.*[3] (ft.)**		6.07		
Event Var.*[2] (ft.)		0.73	0.55	0.68	1.03	0.79	0.76	0.40	0.59	**Global Var.*[3] (ft.)**		0.92		

Notes:

Top of casing (TOC) elevations are based on surveys conducted by Brewer Land Surveying in October 2013, EMC Engineering Services in June 2015, and Mock Surveying in January 2016.

*** - 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 2017 where available.

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

*[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 2017 where available.

NI - Not Installed N/A - Not Applicable ABD - Abandoned

NL - Not Located NM - Not Measured

Table 4-1: Soil and Sediment Sampling Analytical Results

Sample ID (Sample Depth, ft.)	Sample Date/Time	Tetrachloroethene (PCE)		Trichloroethene (TCE)		Cis-1,2-Dichloroethene (DCE)		Vinyl Chloride (VC)		Benzene		Toluene		Ethylbenzene		Total Xylenes	
		Delineation Criteria 180 (µg/kg)		Delineation Criteria 130 (µg/kg)		Delineation Criteria 530 (µg/kg)		Delineation Criteria 40 (µg/kg)		Delineation Criteria 20 (µg/kg)		Delineation Criteria 14,000 (µg/kg)		Delineation Criteria 20,000 (µg/kg)		Delineation Criteria 20,000 (µg/kg)	
		RRS Criteria 500 (µg/kg)		RRS Criteria 500 (µg/kg)		RRS Criteria 7,000 (µg/kg)		RRS Criteria 200 (µg/kg)		----		----		----		----	
		Result (µg/kg)	Flag	Result (µg/kg)	Flag	Result (µg/kg)	Flag	Result (µg/kg)	Flag	Result (µg/kg)	Flag	Result (µg/kg)	Flag	Result (µg/kg)	Flag	Result (µg/kg)	Flag
AOC1-SB-C(2.0-2.5)	3/31/2015 13:53	<1.8		<1.2		<1.3		<1.4		<0.67		<0.77		<1.2		<1.0	
AOC1-SB-C(2.5-3.0)	3/31/2015 13:59	<1.8		<1.2		<1.3		<1.4		<0.69		<0.79		<1.2		<1.0	
AOC1-SB-E(2.5-3.0)	3/31/2015 14:17	<1.7		<1.2		<1.3		<1.4		<0.66		<0.76		<1.2		<1.0	
AOC1-SB-E(3.5-4.0)	3/31/2015 14:19	<1.8		<1.2		<1.3		<1.4		<0.68		<0.78		<1.2		<1.0	
AOC1-SB-N(2.5-3.0)	3/31/2015 14:44	<1.1		<0.76		<0.82		<0.88		<0.43		<0.49		<0.76		<0.64	
AOC1-SB-N(3.5-4.0)	3/31/2015 14:48	<1.5		<1.0		<1.1		<1.2		<0.57		<0.65		<1.0		<0.86	
AOC1-SB-S(2.5-3.0)	3/31/2015 14:27	<1.3		<0.88		<0.95		<1.0		<0.50		<0.57		<0.88		<0.75	
AOC1-SB-S(3.5-4.0)	3/31/2015 14:33	<1.6		<1.1		<1.2		<1.3		<0.63		<0.72		<1.1		<0.94	
AOC1-SB-W(2.0-2.5)	3/31/2015 14:02	<1.1		<0.76		<0.82		<0.88		<0.43		<0.49		<0.76		<0.65	
AOC1-SB-W(2.5-3.0)	3/31/2015 14:06	<1.9		<1.3		<1.4		<1.5		<0.72		<0.82		<1.3		<1.1	
AOC2-SB-C(2.0-2.5)	3/31/2015 12:16	<1.7		<1.1		<1.2		<1.3		<0.64		<0.73		<1.1		<0.96	
AOC2-SB-C(3.5-4.0)	3/31/2015 12:19	<2.7		<1.9		<2.0		<2.2		<1.0		<1.2		<1.9		<1.6	
AOC2-SB-E(2.0-2.5)	3/31/2015 12:02	<1.4		<0.98		<1.1		<1.1		<0.55		<0.63		**2.7**	J	**19**	
AOC2-SB-E(3.5-4.0)	3/31/2015 12:07	<1.9		<1.3		<1.4		<1.5		<0.72		**3.0**	J	<1.3		**3.6**	J
AOC2-SB-N(2.0-2.5)	3/31/2015 12:27	<1.1		<0.78		<0.84		<0.90		<0.44		<0.51		<0.78		<0.66	
AOC2-SB-N(3.5-4.0)	3/31/2015 12:30	<1.5		<1.0		<1.1		<1.2		<0.58		<0.67		<1.0		<0.88	
AOC2-SB-S(2.0-2.5)	3/31/2015 12:39	<1.6		<1.1		<1.2		<1.3		<0.62		<0.71		<1.1		<0.93	
AOC2-SB-S(3.5-4.0)	3/31/2015 12:41	<1.4		<0.94		<1.0		<1.1		<0.53		<0.61		<0.94		<0.79	
AOC2-SB-W(2.0-2.5)	3/31/2015 12:50	<1.2		<0.83		<0.89		<0.96		<0.47		<0.54		<0.83		<0.70	
AOC2-SB-W(3.5-4.0)	3/31/2015 12:56	<1.9		<1.3		<1.4		<1.5		<0.73		<0.83		<1.3		<1.1	
AOC3-SB-C(2.0-2.5)	3/31/2015 10:38	<1.4		<0.98		<1.1		<1.1		<0.55		<0.63		<0.98		**0.84**	J
AOC3-SB-C(3.5-4.0)	3/31/2015 10:43	<1.5		<1.1		<1.1		<1.2		<0.59		<0.68		<1.1		<0.89	
AOC3-SB-E(2.5-3.0)	3/31/2015 10:22	**10**		**1.6**	J	<0.97		<1.0		<0.51		<0.58		<0.90		<0.76	
AOC3-SB-E(3.5-4.0)	3/31/2015 10:25	**1,200**		**590**		**280**	J	<120		<60		<69		<110		<90	
AOC3-SB-E-5E(3.0-3.5)	10/20/2015 9:15	<1.9		<1.3		<1.4		<1.5		<0.74		<0.85		<1.3		<1.1	
AOC3-SB-E-5E(4.5-5.0)*	10/20/2015 9:24	<1.6		<1.1		<1.2		<1.3		<0.62		<0.72		<1.1		<0.94	
AOC3-SB-E-5N(3.5-4.0)	10/20/2015 10:20	<1.7		<1.2		<1.2		<1.3		<0.65		<0.74		<1.2		<0.98	
AOC3-SB-E-5S(3.0-3.5)	10/20/2015 10:45	<2.0		<1.4		<1.5		<1.6		<0.78		<0.89		<1.4		<1.2	
AOC3-SB-N(2.0-2.5)	1/20/2015 10:50	<0.85		<0.58		<0.62		<0.67		<0.33		<0.37		<0.58		<0.49	
AOC3-SB-N(3.5-4.0)	1/20/2015 10:50	<0.85		<0.58		<0.62		<0.67		<0.32		<0.37		<0.58		<0.49	
AOC3-SB-S(2.5-3.0)	3/31/2015 10:58	<1.9		<1.3		<1.4		<1.5		<0.74		<0.85		<1.3		<1.1	
AOC3-SB-S(3.5-4.0)	3/31/2015 11:03	<1.4		<0.99		<1.1		<1.1		<0.56		<0.64		<0.99		<0.84	
AOC3-SB-W(2.0-2.5)	3/31/2015 10:47	<1.9		<1.3		<1.4		<1.5		<0.74		<0.85		<1.3		**1.2**	J
AOC3-SB-W(3.5-4.0)	3/31/2015 10:51	<1.1		<0.77		<0.83		<0.88		<0.43		<0.50		<0.77		<0.65	
AOC4-SB-BLD-NE(1.5-2.0)	4/1/2015 10:27	<1.3		<0.88		<0.95		<1.0		<0.49		<0.57		<0.88		<0.75	
AOC4-SB-BLD-NW(2.0-2.5)	4/1/2015 10:20	<410		<280		**20,000**		**690**	J	<160		**220**	J	<280		<240	
AOC4-SB-BLD-NW(2.5-3.0)	4/1/2015 10:23	<250		<170		**14,000**		**800**		<97		**220**	J	<170		<150	
AOC4-SB-BLD-NW-5E(3.0-3.5)	10/20/2015 15:00	<400		<280		**33,000**		<320		<150		<180		<280		<230	
AOC4-SB-BLD-NW-5E(4.5-5.0)	10/20/2015 15:32	**11,000,000**		**150,000**	J	**470,000**	J	<150,000		<73,000		**130,000**	J	<130,000		<110,000	
AOC4-SB-BLD-NW-15E(3.0-3.5)	10/21/2015 12:12	<2.0		<1.4		**3.7**	J	<1.6		<0.76		<0.88		<1.4		<1.1	
AOC4-SB-BLD-NW-15E(4.5-5.0)	10/21/2015 12:39	<2.1		<1.4		**64**		**33**		<0.81		<0.93		<1.4		<1.2	
AOC4-SB-BLD-NW-15N(4.5-5.0)	1/21/2016 15:20	<1.1		<0.76		**11**		**2.1**	J	<0.43		<0.49		<0.76		<0.64	
AOC4-SB-BLD-SE(2.0-2.5)	4/1/2015 10:33	**4.0**		<0.57		**2.4**		<0.66		<0.32		<0.37		<0.57		<0.48	
AOC4-SB-BLD-SW(2.0-2.5)	4/1/2015 10:10	**2.2**	J	<0.94		<1.0		<1.1		<0.53		<0.61		<0.94		<0.80	
AOC4-SB-BLD-SW(3.0-3.5)	4/1/2015 10:15	<0.83		**0.68**	J	**0.87**	J	<0.65		<0.32		<0.37		<0.57		<0.48	
AOC4-SB-C(2.5-3.0)	3/30/2015 15:13	<1.1		<0.77		**22**		**2.2**	J	<0.43		<0.50		<0.77		<0.65	
AOC4-SB-C(4.0-4.5)	3/30/2015 15:17	<300		<200		**18,000**		**1,800**		<110		<130		<200		<170	
AOC4-SB-C-5N(3.0-4.0)	10/20/2015 12:00	<2.4		<1.6		**16**		**2.5**	J	<0.90		<1.0		<1.6		<1.4	
AOC4-SB-C-5S(4.5-5.0)	10/20/2015 13:55	<2.0		<1.3		**9**		<1.5		<0.75		<0.87		<1.3		<1.1	
AOC4-SB-C-5W(4.5-5.0)	10/20/2015 14:22	<1.7		<1.2		**2**	J	<1.3		<0.66		<0.76		<1.2		<0.99	
AOC4-SB-C-NW - 10E(4.5-5.0)	1/21/2016 15:20	<1.0		<0.69		**5.7**		**5.7**		<0.38		<0.44		<0.69		<0.58	
AOC4-SB-E(3.5-4.0)	3/30/2015 14:27	<1.3		<0.91		**110**		**16**		<0.51		<0.59		<0.91		**2.4**	J
AOC4-SB-E(4.0-4.5)	3/30/2015 14:29	<77		<53		**460**		<61		<29		<34		<53		<44	
AOC4-SB-N(2.5-3.0)	3/30/2015 14:44	<0.91		<0.62		<0.67		<0.72		<0.35		<0.40		<0.62		<0.53	
AOC4-SB-N(4.0-4.5)	3/30/2015 14:48	<0.81		<0.55		**1**	J	<0.64		<0.31		<0.36		<0.55		<0.47	

Table 4-1: Soil and Sediment Sampling Analytical Results

Sample ID (Sample Depth, ft.)	Sample Date/Time	Tetrachloroethene (PCE)		Trichloroethene (TCE)		Cis-1,2-Dichloroethene (DCE)		Vinyl Chloride (VC)		Benzene		Toluene		Ethylbenzene		Total Xylenes	
		Delineation Criteria 180 (µg/kg)		Delineation Criteria 130 (µg/kg)		Delineation Criteria 530 (µg/kg)		Delineation Criteria 40 (µg/kg)		Delineation Criteria 20 (µg/kg)		Delineation Criteria 14,000 (µg/kg)		Delineation Criteria 20,000 (µg/kg)		Delineation Criteria 20,000 (µg/kg)	
		RRS Criteria 500 (µg/kg)		RRS Criteria 500 (µg/kg)		RRS Criteria 7,000 (µg/kg)		RRS Criteria 200 (µg/kg)		----		----		----		----	
		Result (µg/kg)	Flag	Result (µg/kg)	Flag	Result (µg/kg)	Flag	Result (µg/kg)	Flag	Result (µg/kg)	Flag	Result (µg/kg)	Flag	Result (µg/kg)	Flag	Result (µg/kg)	Flag
AOC4-SB-S(2.5-3.0)	3/30/2015 15:30	**2.2**	J	<0.75		<0.81		<0.87		<0.42		<0.49		<0.75		<0.64	
AOC4-SB-S(4.0-4.5)	3/30/2015 15:33	**1.7**	J	**3.1**		**8.4**		<0.88		<0.43		<0.49		<0.76		**0.81**	J
AOC4-SB-W(2.5-3.0)	3/30/2015 14:51	<0.74		<0.51		**1.3**	J	<0.58		<0.28		**0.78**	J	<0.51		**1.9**	J
AOC4-SB-W(4.0-4.5)	3/30/2015 15:02	<1.3		<0.86		**36**		<0.99		<0.48		<0.55		<0.86		<0.72	
AOC5-SB-C(2.0-2.5)	3/30/2015 16:18	<0.88		<0.60		<0.64		<0.69		<0.34		<0.39		<0.60		<0.51	
AOC5-SB-C(4.0-4.5)	3/30/2015 16:23	<2.0		<1.3		<1.4		<1.5		<0.75		<0.86		<1.3		<1.1	
AOC5-SB-E(2.5-3.0)	3/30/2015 15:54	<1.4		<0.95		<1.0		<1.1		<0.53		<0.61		<0.95		**0.99**	J
AOC5-SB-E(4.0-4.5)	3/30/2015 16:03	<1.0		<0.71		<0.77		<0.82		<0.40		<0.46		<0.71		<0.60	
AOC5-SB-N(2.0-2.5)	3/31/2015 9:37	<1.1		<0.74		<0.80		<0.85		**0.42**	J	<0.48		<0.74		**1.6**	J
AOC5-SB-N(4.0-4.5)	3/31/2015 9:41	<1.4		<0.96		<1.0		<1.1		<0.54		<0.62		<0.96		<0.82	
AOC5-SB-S(2.0-2.5)	1/20/2015 9:17	<1.8		<1.2		**4.8**		<1.4		<0.69		<0.79		<1.2		<1.0	
AOC5-SB-S(3.0-3.5)	1/20/2015 9:17	<1.6		<1.1		<1.2		<1.2		<0.60		<0.70		<1.1		<0.91	
AOC5-SB-W(2.5-3.0)	3/30/2015 16:29	<1.3		<0.90		<0.97		<1.0		<0.51		<0.58		<0.90		<0.76	
AOC5-SB-W(4.0-4.5)	3/30/2015 16:34	<1.3		<0.92		<0.99		<1.1		<0.52		<0.59		<0.92		<0.78	
AOC6-SD-1(1.0-2.0)	4/1/2015 14:52	<1.8		<1.3		<1.4		<1.5		<0.71		<0.81		<1.3		<1.1	
AOC6-SD-2(1.0-2.0)	4/1/2015 15:14	<0.83		<0.57		**0.79**	J	<0.65		<0.32		<0.37		<0.57		<0.48	
AOC6-SD-3(1.0-2.0)	4/1/2015 15:25	**3,400**		**220**	J	**540**		<100		<49		<57		<88		<74	
AOC6-SD-3-5E(1.0-2.0)	11/9/2015 15:37	<0.72		<0.49		<0.53		<0.57		<0.28		<0.32		<0.49		<0.42	
AOC6-SD-3-10N(1.0-2.0)	11/9/2015 15:44	<100		**130**	J	**6,300**		**400**		<39		**110**	JB	**150**	J	**450**	J
AOC6-SD-3-25N(1.0-2.0)	1/21/2016 15:32	**240,000**		**1,600**		**1,000**		<3100		<1500		<1700		<2700		<2300	
AOC6-SD-3-55N(1.0-2.0)	1/21/2016 15:22	<40		<27		**270**		<32		<15		<18		<27		<23	
AOC6-SD-3-10N-E-Bank(2.5-3.0)	1/21/2016 15:20	<1.1		<0.73		<0.79		<0.84		<0.41		<0.47		<0.73		<0.62	
AOC6-SD-3-25N-E-Bank(2.0-2.5)	1/21/2016 15:22	<1.4		<0.94		**3.8**		<1.1		<0.53		<0.61		<0.94		<0.79	
AOC6-SD-3-55N-E-Bank(1.0-2.0)	1/21/2016 15:37	<1.7		<1.2		<1.3		<1.4		<0.66		<0.76		<1.2		<1.0	
AOC6-SD-3-10N-W-Bank(1.5-2.0)	1/21/2016 15:24	**30,000**		**8,200**		**7,800**		<600		<290		<340		<520		<440	
AOC6-SD-3-10N-15W(1.0-2.0)	4/28/2017 9:03	**4,500**		**1,400**		**1,800**		<1.6		<0.45		<0.40		<0.38		<0.72	
AOC6-SD-3-20N-15W(1.0-2.0)	4/28/2017 9:15	**1,400**		**150**		**510**		<2.6		<0.72		<0.65		<0.61		<1.1	
AOC6-SD-3-25N-W-Bank(2.0-2.5)	1/21/2016 15:24	**11,000**		**1,300**		**2,900**		<140		<68		<78		<120		<100	
AOC6-SD-3-25N-15W(1.0-2.0)	4/28/2017 8:50	**1,900**		**32**		**81**		<1.7		<0.48		**0.92**	J	<0.41		<0.77	
AOC6-SD-3-35N-15W(1.0-2.0)	4/28/2017 8:23	**1,600**		**89**		**660**		<8.5		<4.3		<4.3		<4.3		<4.3	
AOC6-SD-3-45N-15W(1.0-2.0)	4/28/2017 8:38	<5.3		<5.3		<5.3		<11		<5.3		<5.3		<5.3		<5.3	
AOC6-SD-3-55N-W-Bank(1.0-2.0)	1/21/2016 15:40	**3.4**		<0.56		**58**		<0.65		<0.32		<0.36		<0.56		<0.48	
AOC6-SD-3-10S(1.0-2.0)	11/9/2015 16:00	<35		<24		<25		<27		<13		**20**	JB	**47**	J	**48**	J
AOC6-SD-3-5W(1.0-2.0)	11/9/2015 16:16	**5,000**		**1,400**		**4,100**		<77		<37		**100**	JB	<67		<56	
AOC6-SD-3-15W(1.5-2.5)	4/28/2017 9:25	**5,000**		**950**		**1,200**		<15		<7.6		<7.6		<7.6		<7.6	
AOC6-SD-3-20W(2.0-2.5)	1/21/2016 15:32	**65**		**20**		**27**		<0.75		<0.36		<0.42		<0.65		<0.55	
AOC6-SD-4(1.0-2.0)	4/1/2015 15:58	<0.67		<0.46		**0.51**	J	<0.53		<0.26		<0.29		<0.46		<0.39	
SB-101(1.0-2.0)	7/11/2017 16:13	**90**		**780**		**1,600**		<1.7		<0.49		**0.68**	J	<0.41		<0.78	
SB-102(1.0-2.0)	7/11/2017 16:23	**96**		**12**		**23**		<1.9		<0.53		**6.2**		<0.45		<0.84	
SB-103(0.0-1.0)	7/11/2017 16:34	**3,300**		**650**		**1,700**		<6.4		<1.8		**6.8**	J	<1.5		<2.8	
SB-104(1.0-2.0)	7/11/2017 16:44	**870**		**83**		**140**		<2.2		<0.61		**0.89**	J	<0.51		<0.97	
SB-105(1.0-2.0)	7/11/2017 16:59	**1,100**		**87**		**110**		<1.9		<0.53		**1.4**	J	<0.45		<0.84	
SB-106(1.0-2.0)	7/11/2017 17:12	**1,400**		**87**		**100**		<1.9		<0.53		<0.47		<0.45		<0.84	
SB-107(1.0-2.0)	7/11/2017 17:28	**60**		**1.3**	J	<1.5		<1.8		<0.50		<0.45		<0.42		<0.79	
AOC7-SB-C(2.5-3.0)	3/31/2015 13:08	**8.9**		<0.66		<0.71		<0.76		<0.37		<0.43		<0.66		<0.56	
AOC7-SB-C(4.0-4.5)	3/31/2015 13:12	**13**		**14**		**28**		<1.5		<0.71		<0.81		<1.3		<1.1	
AOC7-SB-E(2.5-3.0)	3/31/2015 13:37	<1.1		<0.77		<0.83		<0.88		<0.43		<0.50		<0.77		<0.65	
AOC7-SB-E(4.0-4.5)	3/31/2015 13:41	<1.7		<1.2		**3.3**	J	**2.3**	J	<0.66		**1.3**	J	<1.2		**2.0**	J
AOC7-SB-N(2.0-2.5)	1/20/2015 12:15	<0.90		<0.62		<0.66		<0.71		<0.35		<0.40		<0.62		<0.52	
AOC7-SB-N(3.0-3.5)	1/20/2015 12:15	<1.0		<0.71		<0.77		<0.82		<0.40		<0.46		<0.71		<0.60	
AOC7-SB-W(1.0-1.5)	1/20/2015 14:45	<2.9		<2.0		<2.1		<2.3		<1.1		<1.3		<2.0		<1.7	
AOC7-SB-W(3.5-4.0)	1/20/2015 14:45	<1.8		<1.3		<1.4		<1.5		<0.71		<0.81		<1.3		<1.1	
AOC7-SB-S(2.5-3.0)	3/31/2015 13:22	<1.7		<1.2		<1.3		<1.4		<0.67		<0.77		<1.2		<1.0	
AOC7-SB-S(4.0-4.5)	3/31/2015 13:27	<1.4		<0.97		<1.0		<1.1		<0.54		<0.63		<0.97		<0.82	
AOC8-SB-C(1.5-2.0)	4/1/2015 9:15	<2.3		<1.5		<1.7		<1.8		<0.87		<1.0		<1.5		<1.3	

Table 4-1: Soil and Sediment Sampling Analytical Results

Sample ID (Sample Depth, ft.)	Sample Date/Time	Tetrachloroethene (PCE)		Trichloroethene (TCE)		Cis-1,2-Dichloroethene (DCE)		Vinyl Chloride (VC)		Benzene		Toluene		Ethylbenzene		Total Xylenes	
		Delineation Criteria 180 (µg/kg)		Delineation Criteria 130 (µg/kg)		Delineation Criteria 530 (µg/kg)		Delineation Criteria 40 (µg/kg)		Delineation Criteria 20 (µg/kg)		Delineation Criteria 14,000 (µg/kg)		Delineation Criteria 20,000 (µg/kg)		Delineation Criteria 20,000 (µg/kg)	
		RRS Criteria 500 (µg/kg)		RRS Criteria 500 (µg/kg)		RRS Criteria 7,000 (µg/kg)		RRS Criteria 200 (µg/kg)		----		----		----		----	
		Result (µg/kg)	Flag	Result (µg/kg)	Flag	Result (µg/kg)	Flag	Result (µg/kg)	Flag	Result (µg/kg)	Flag	Result (µg/kg)	Flag	Result (µg/kg)	Flag	Result (µg/kg)	Flag
AOC8-SB-E(2.0-2.5)	4/1/2015 9:07	<0.64		<0.44		<0.47		<0.50		<0.25		<0.28		<0.44		<0.37	
AOC8-SB-N(2.5-3.0)	3/31/2015 11:11	<1.1		<0.76		<0.81		<0.87		<0.42		<0.49		**0.84**	J	**8.4**	
AOC8-SB-N(4.0-4.5)	3/31/2015 11:16	<1.5		<1.0		**9.7**		<1.2		<0.56		<0.65		<1.0		<0.85	
AOC8-SB-S(2.5-3.0)	3/31/2015 10:10	<1.4		<0.99		<1.1		<1.1		<0.55		<0.64		**1.9**	J	**14**	
AOC8-SB-S(3.5-4.0)	3/31/2015 10:13	<0.76		<0.52		<0.56		<0.60		<0.29		<0.34		**1.2**	J	**7.6**	
AOC8-SB-W(2.5-3.0)	3/31/2015 9:58	<1.2		<0.83		<0.90		<0.96		<0.47		<0.54		<0.83		<0.71	
AOC8-SB-W(4.0-4.5)	3/31/2015 10:04	<1.1		<0.72		**0.83**	J	<0.83		<0.41		<0.47		<0.72		<0.61	
AOC9-SB-E(2.0-2.5)	3/31/2015 16:48	<0.81		<0.55		<0.60		<0.64		<0.31		<0.36		<0.55		<0.47	
AOC9-SB-N(1.5-2.0)	3/31/2015 16:38	<0.98		<0.67		<0.72		<0.77		<0.38		<0.43		<0.67		**2.5**	J
AOC9-SB-S(2.0-2.5)	4/1/2015 8:55	<1.3		<0.92		<0.99		<1.1		<0.52		<0.59		<0.92		<0.78	
AOC9-SB-S(3.0-3.5)	4/1/2015 9:00	<0.81		<0.55		<0.60		<0.64		<0.31		<0.36		<0.55		<0.47	
AOC9-SB-W(2.0-2.5)	3/31/2015 16:18	<1.7		<1.1		<1.2		<1.3		<0.64		<0.74		<1.1		<0.97	
AOC10-SB-C(2.0-2.5)	3/30/2015 14:00	<0.96		<0.66		<0.71		<0.76		<0.37		<0.43		<0.66		<0.56	
AOC10-SB-C(4.0-4.5)	3/30/2015 14:05	<0.89		<0.61		<0.66		<0.70		<0.34		<0.39		<0.61		<0.52	
AOC10-SB-E(2.0-2.5)	3/30/2015 14:07	<0.96		<0.66		**1.2**	J	<0.76		<0.37		<0.42		<0.66		<0.56	
AOC10-SB-E(4.0-4.5)	3/30/2015 14:11	<1.3		<0.88		**4.1**		<1.0		<0.50		<0.57		<0.88		**2.7**	J
AOC10-SB-N(1.5-2.0)	1/19/2015 17:01	<1.3		<0.91		<0.98		<1.0		<0.51		<0.59		<0.91		<0.77	
AOC10-SB-N(5.5-6.0)	1/19/2015 17:01	<0.98		<0.67		**1**	J	<0.77		<0.38		<0.43		<0.67		<0.57	
AOC10-SB-S(2.5-3.0)	3/30/2015 13:40	<1.1		<0.74		<0.79		<0.85		<0.41		<0.48		**0.94**	J	**5.1**	J
AOC10-SB-S(3.5-4.0)	3/30/2015 13:47	<1.3		<0.91		<0.98		<1.0		<0.51		<0.59		<0.91		<0.77	
AOC10-SB-W(2.5-3.0)	3/30/2015 13:15	<1.1		<0.75		**5.9**		<0.87		<0.42		<0.49		<0.75		**2.7**	J
AOC10-SB-W(3.5-4.0)	3/30/2015 13:20	<1.3		<0.87		**6.9**		<1.0		<0.49		<0.56		<0.87		**3.4**	J

Notes:

20,000 - Concentration is greater than RRS criteria

200 - Concentration is greater than delineation criteria

5 - Concentration is above method detection limits but below delineation and RRS criteria

<1.3 - Concentration is below method detection limits

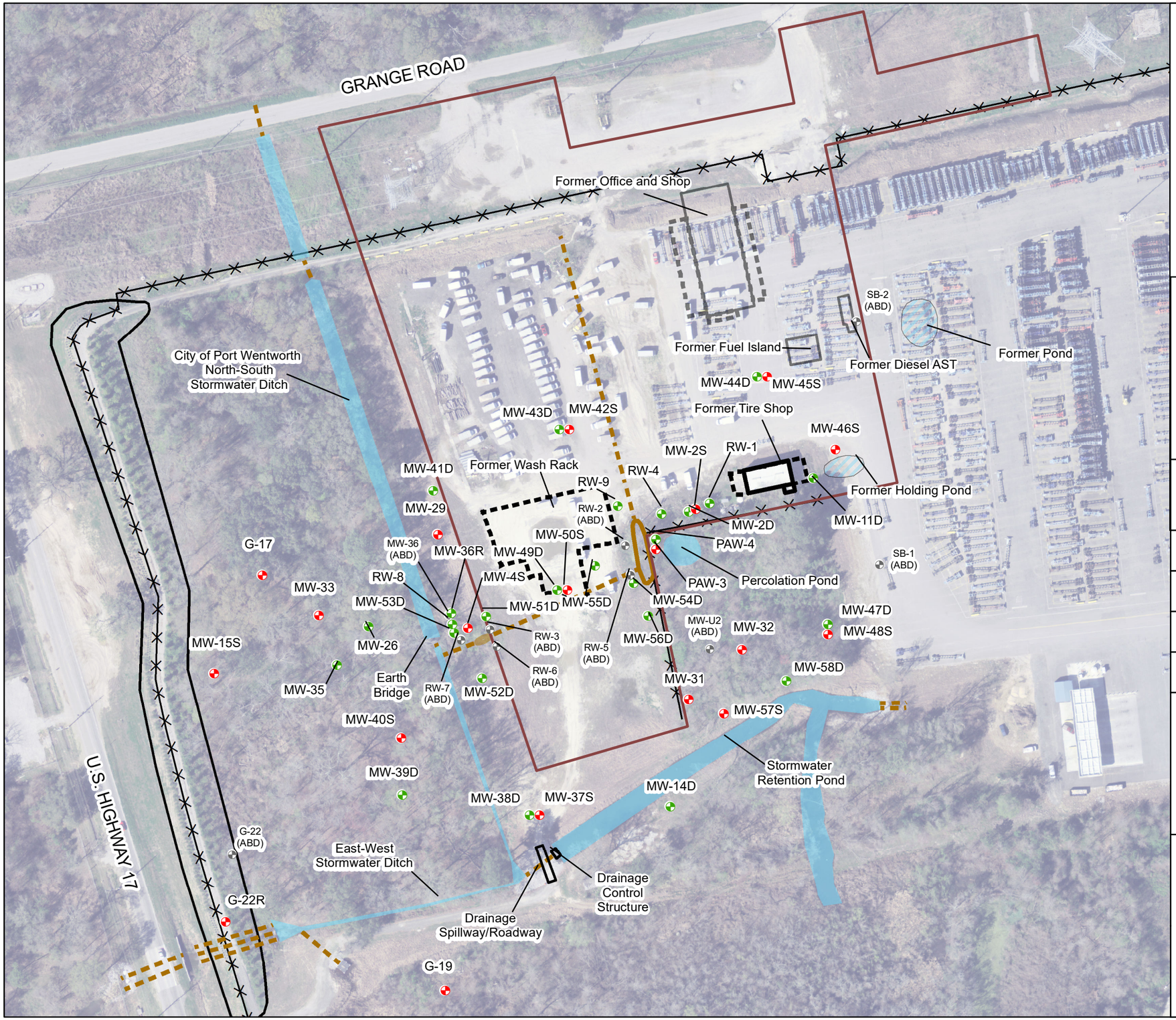
J - Concentration is less than the recovery limit but greater than or equal to the method detection limit and therefore the concentration is an approximate value

B - Compound was found in method blank and sample

HSI SITE 10406, FORMER MCKENZIE TANK LINES SITE
111 GRANGE ROAD, PORT WENTWORTH, GEORGIA

SEVENTH SEMI-ANNUAL PROGRESS REPORT

FIGURES



Legend

- SHALLOW WELLS
- DEEP WELLS
- ABANDONED/NOT UTILIZED WELLS
- BERM OUTLINE
- SECURITY FENCE
- BELOW GRADE STORM WATER DRAINAGE PIPES
- BUILDINGS
- CONCRETE APRONS
- STORM WATER SWALES
- WATER FEATURES
- FORMER MCKENZIE PROPERTY BOUNDARY
- FORMER WATER FEATURE
- (ABD) ABANDONED

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, EMC ENGINEERING SERVICES IN JUNE 2015 AND MOCK SURVEYING IN JANUARY 2016 AND MAY 2017. 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

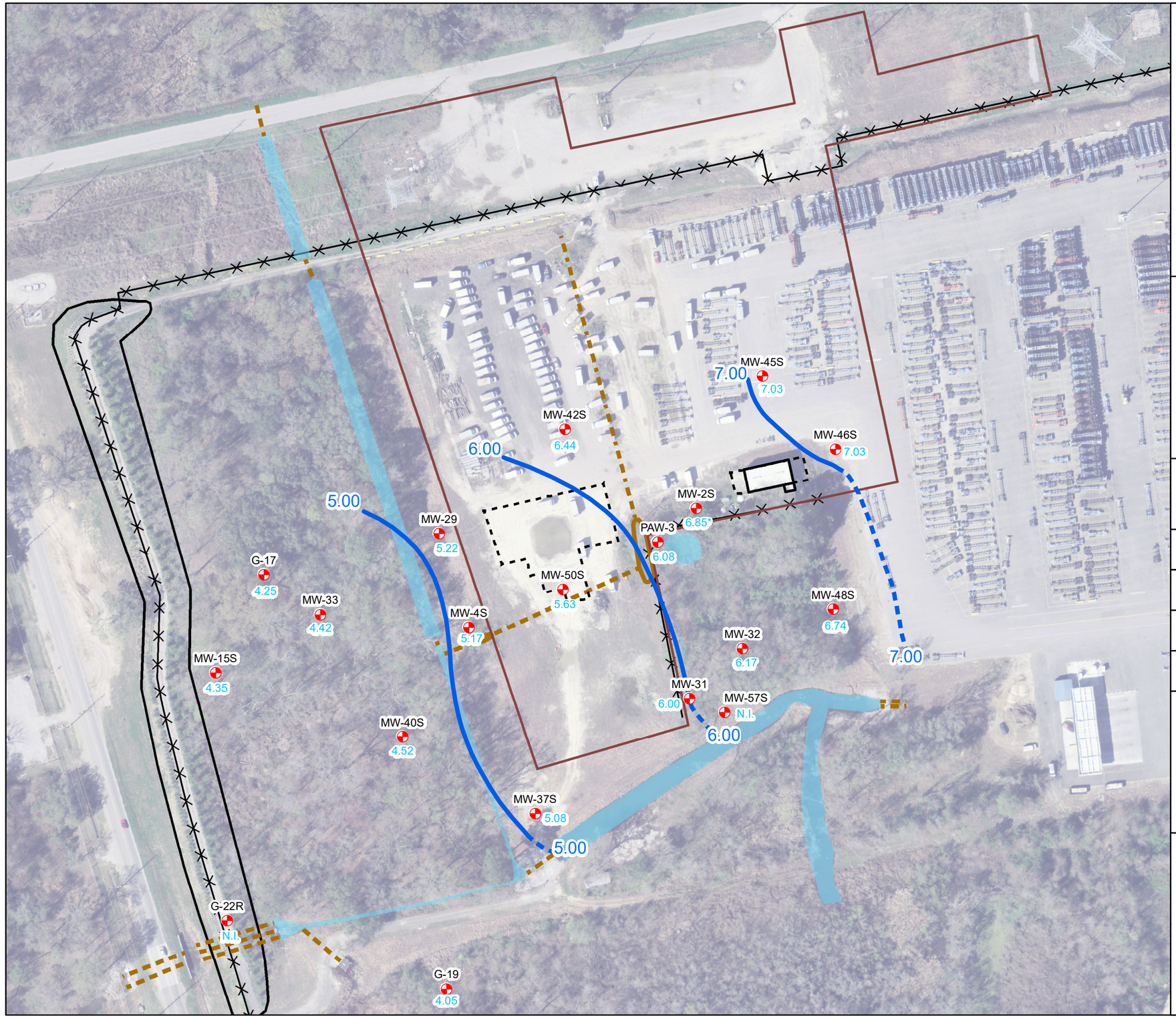
Feet

DESIGNED BY: A.G.	REVISIONS NO.	REVISIONS DATE	DATE: 10/27/2017
DRAWN BY: S.F.H.			SCALE: SEE BAR SCALE
			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

SITE FEATURES

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

GROUNDWATER CONTOURS

- GROUNDWATER CONTOURS (1 FOOT INTERVALS)
- ESTIMATED GROUNDWATER CONTOURS
- 6.47 — GROUNDWATER ELEVATIONS (FT., NAVD 88)
- 6.59* — DATA NOT CONSIDERED FOR CONTOURS
- N.I. — NOT INSTALLED AT TIME OF GAUGING EVENT

NOTES: AERIAL PHOTO IS FROM USGS 0.15 m 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, EMC ENGINEERING SERVICES IN JUNE 2015 AND MOCK SURVEYING IN JANUARY 2016 AND MAY 2017. WELLS WITH SCREEN INTERVALS BETWEEN 0 AND 20 FEET BELOW GROUND SURFACE ARE CONSIDERED SHALLOW WELLS.

N

150 75 0 150

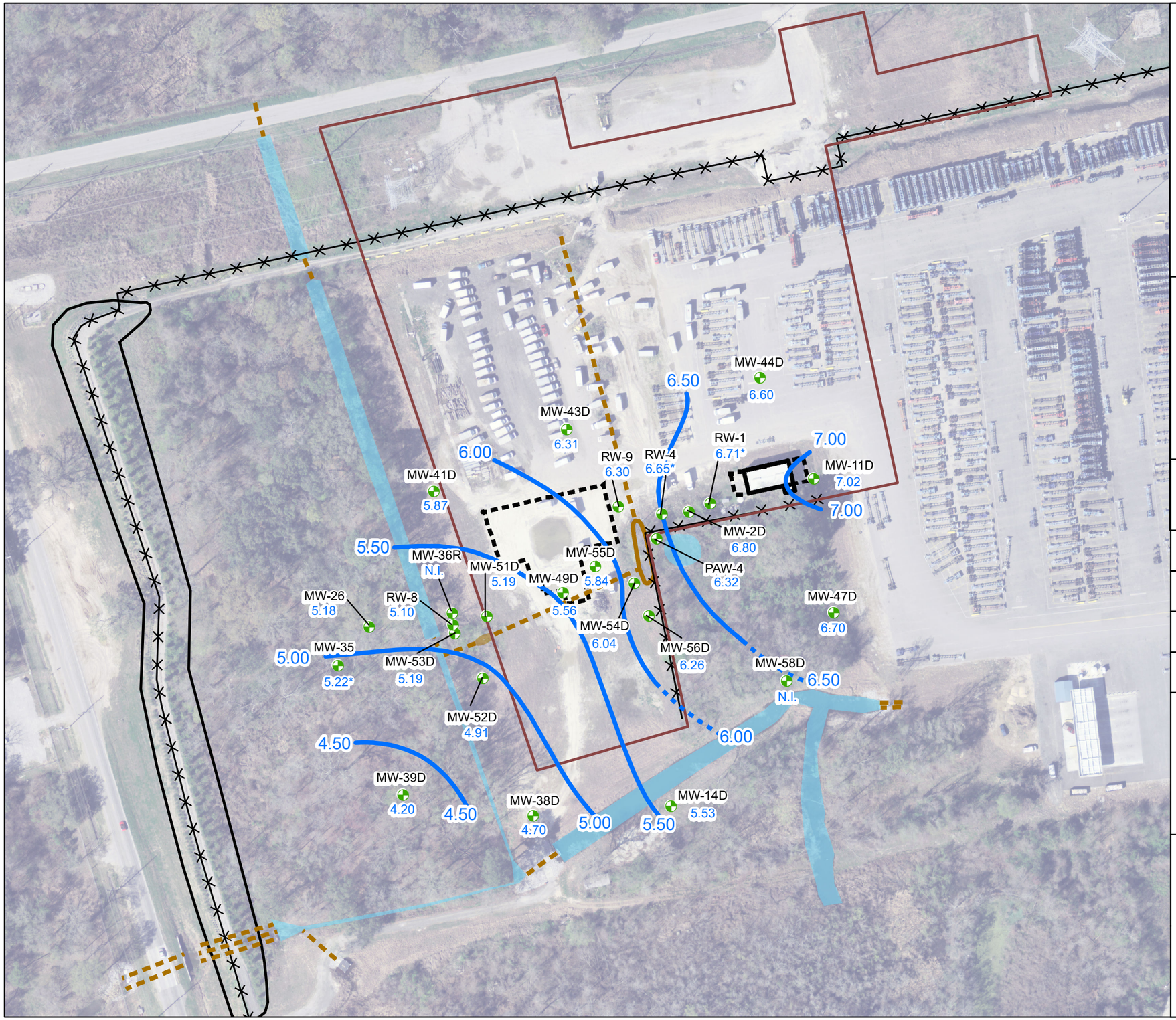
Feet

DESIGNED BY: S.F.H.	REVISIONS NO.	REVISIONS DATE	DATE: 11/1/2017
DRAWN BY: S.F.H.			SCALE: SEE BAR SCALE
			SHEET NO.: 1 OF 1
CHECKED BY: A.S.			
APPROVED BY: R.M.			

FIGURE 3-1: APRIL 2017 SHALLOW GROUNDWATER POTENTIOMETRIC SURFACE 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
- BELOW-GRADE STORM WATER DRAINAGE PIPES
- BUILDINGS
- CONCRETE APRONS
- STORM WATER SWALES
- WATER FEATURES
- FORMER MCKENZIE PROPERTY BOUNDARY
- DEEP WELLS

GROUNDWATER CONTOURS

- GROUNDWATER CONTOURS (0.5 FOOT INTERVALS)
- ESTIMATED GROUNDWATER CONTOURS
- 6.50 — GROUNDWATER ELEVATIONS (FT., NAVD 88)
- 6.65* — DATA NOT CONSIDERED FOR COUNTOURS
- N.I. — NOT INSTALLED AT TIME OF GAUGING EVENT

NOTES: AERIAL PHOTO IS FROM USGS 0.15 m 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, EMC ENGINEERING SERVICES IN JUNE 2015 AND MOCK SURVEYING IN JANUARY 2016 AND MAY 2017. WELLS WITH SCREEN INTERVALS BELOW 20 FEET BELOW GROUND SURFACE ARE CONSIDERED DEEP WELLS.

N

150 75 0 150

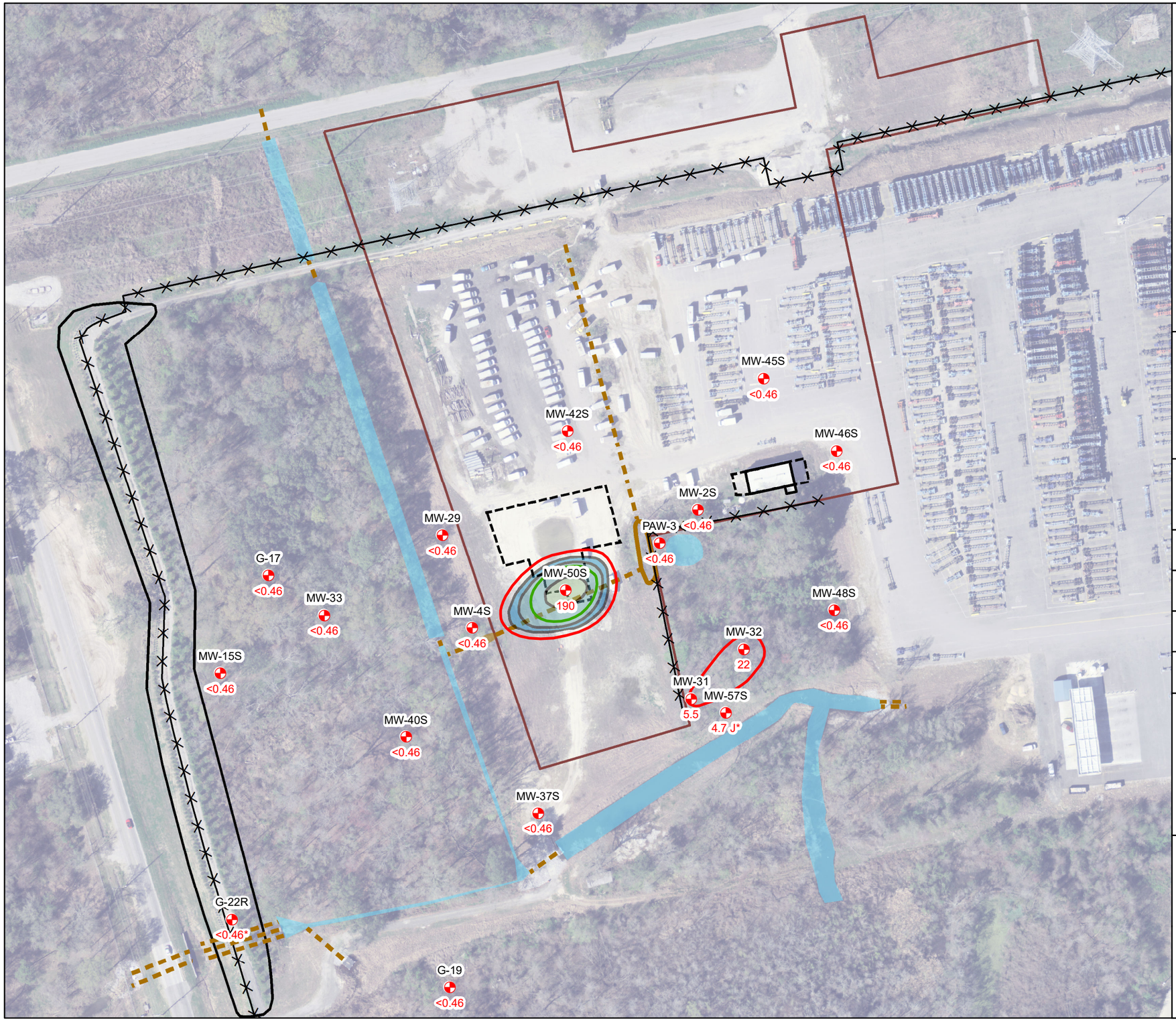
Feet

DESIGNED BY: A.G.	REVISIONS NO.	REVISIONS DATE	DATE: 10/27/2017
DRAWN BY: S.F.H.			SCALE: SEE BAR SCALE
			SHEET NO.: 1 OF 1
CHECKED BY: A.S.			
APPROVED BY: R.M.			

FIGURE 3-2: APRIL 2017 DEEP GROUNDWATER POTENTIOMETRIC SURFACE 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
- BELOW-GRADE STORM WATER DRAINAGE PIPES
- BUILDINGS
- CONCRETE APRONS
- STORM WATER 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
- <0.46 — CONCENTRATION IN µg/L
- <0.46* — NOT CONSIDERED, CONCENTRATIONS WERE OBSERVED DURING THE JULY 2017 SAMPLING EVENT

CONCENTRATIONS IN µg/L

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

NOTES: AERIAL PHOTO IS FROM USGS 0.15 m 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, EMC ENGINEERING SERVICES IN JUNE 2015 AND MOCK SURVEYING IN JANUARY 2016 AND MAY 2017. WELLS WITH SCREEN INTERVALS BETWEEN 0 AND 20 FEET BELOW GROUND SURFACE ARE CONSIDERED SHALLOW WELLS.

N

150 75 0 150

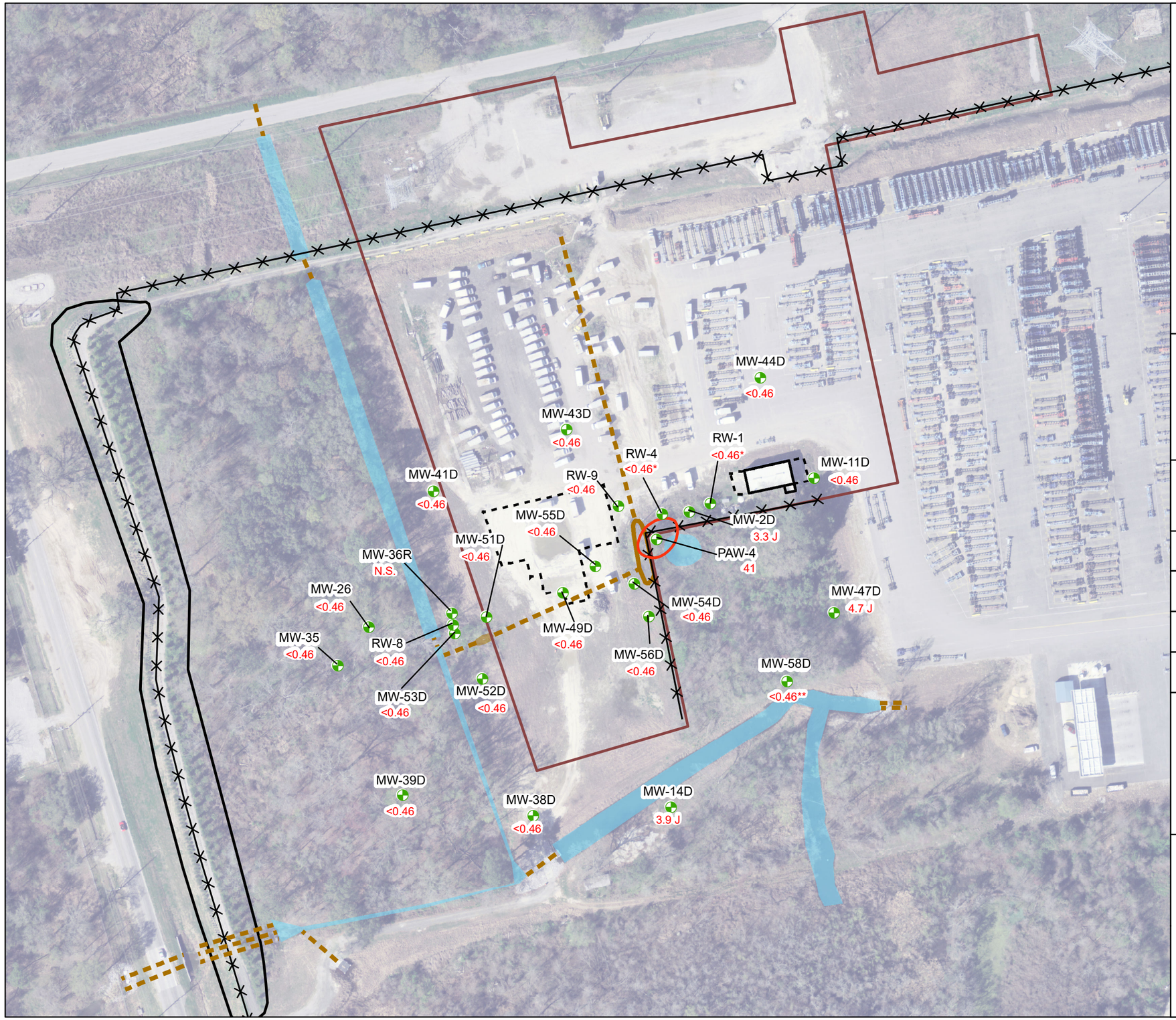
Feet

DESIGNED BY: A.G.	REVISIONS NO.	REVISIONS DATE	DATE: 10/27/2017
DRAWN BY: S.F.H.			SCALE: SEE BAR SCALE
			SHEET NO.: 1 OF 1
CHECKED BY: A.S.			
APPROVED BY: R.M.			

FIGURE 3-3: APRIL 2017 SHALLOW 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
- BELOW-GRADE STORM WATER DRAINAGE PIPES
- BUILDINGS
- CONCRETE APRONS
- STORM WATER SWALES
- WATER FEATURES
- FORMER MCKENZIE PROPERTY BOUNDARY
- DEEP WELLS

PCE CONCENTRATIONS

CONTOURS

- DELINIATION CRITERION OF 5 µg/L
- RRS TYPE 4 OF 96 µg/L

LABELS

MW-49D	WELL ID
<0.46	CONCENTRATION IN µg/L
<0.46*	NOT CONSIDERED
N.S.	NOT SAMPLED
<0.46**	NOT CONSIDERED, CONCENTRATIONS WERE OBSERVED DURING THE JULY 2017 SAMPLING EVENT

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 0.15 m 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, EMC ENGINEERING SERVICES IN JUNE 2015 AND MOCK SURVEYING IN JANUARY 2016 AND MAY 2017. WELLS WITH SCREEN INTERVALS BELOW 20 FEET BELOW GROUND SURFACE ARE CONSIDERED DEEP WELLS.

N

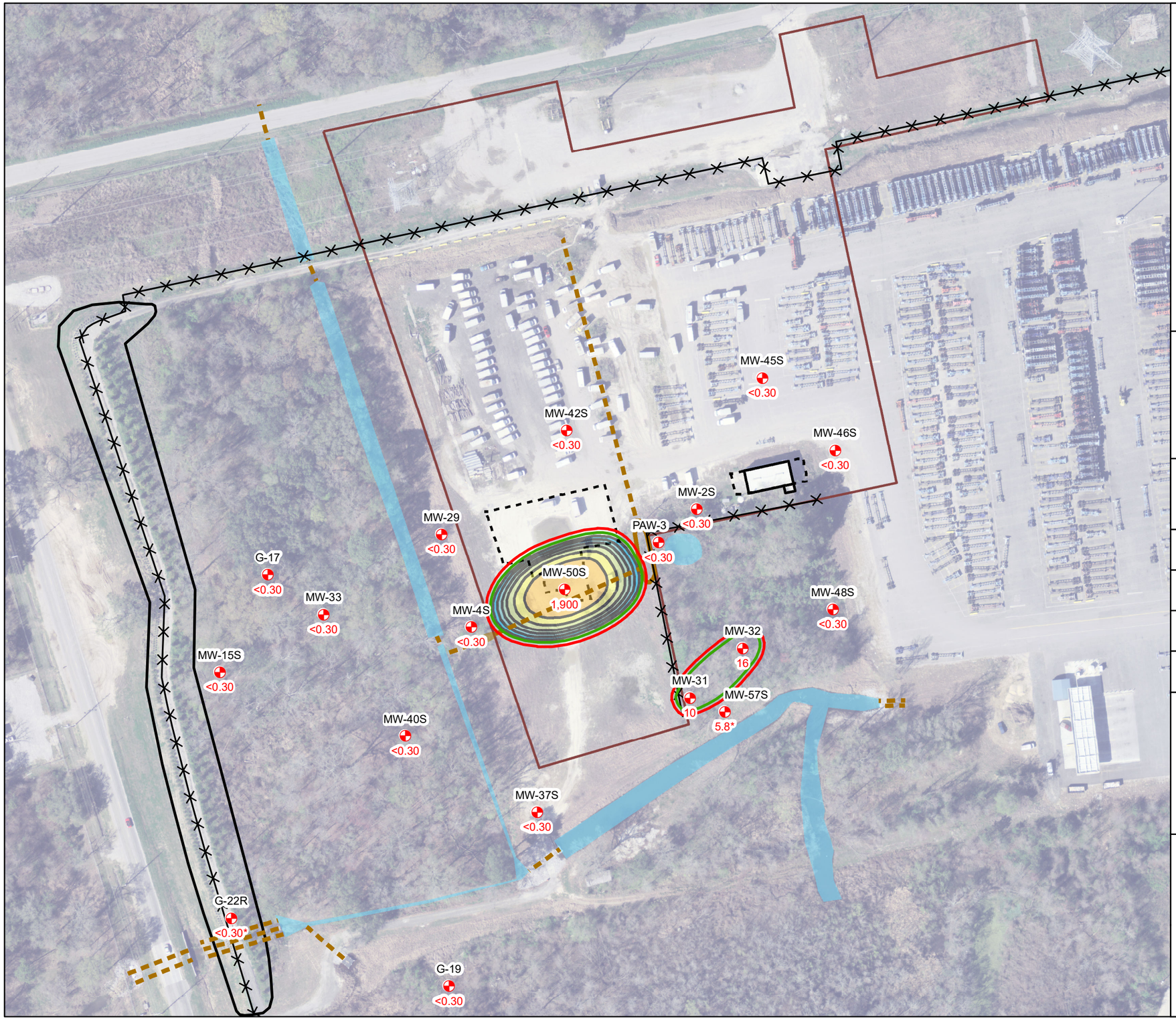
150 75 0 150 Feet

DESIGNED BY: A.G.	REVISIONS NO.	REVISIONS DATE	DATE: 10/27/2017
DRAWN BY: S.F.H.			SCALE: SEE BAR SCALE
			SHEET NO.: 1 OF 1
CHECKED BY: A.S.			
APPROVED BY: R.M.			

FIGURE 3-4: APRIL 2017 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
- BELOW-GRADE STORM WATER DRAINAGE PIPES
- BUILDINGS
- CONCRETE APRONS
- STORM WATER 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
- <0.30 — CONCENTRATION IN µg/L
- 5.8* — NOT CONSIDERED, CONCENTRATIONS WERE OBSERVED DURING THE JULY 2017 SAMPLING EVENT

CONCENTRATIONS IN µg/L

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

NOTES: AERIAL PHOTO IS FROM USGS 0.15 m 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, EMC ENGINEERING SERVICES IN JUNE 2015 AND MOCK SURVEYING IN JANUARY 2016 AND MAY 2017. WELLS WITH SCREEN INTERVALS BETWEEN 0 AND 20 FEET BELOW GROUND SURFACE ARE CONSIDERED SHALLOW WELLS.

N

150 75 0 150

Feet

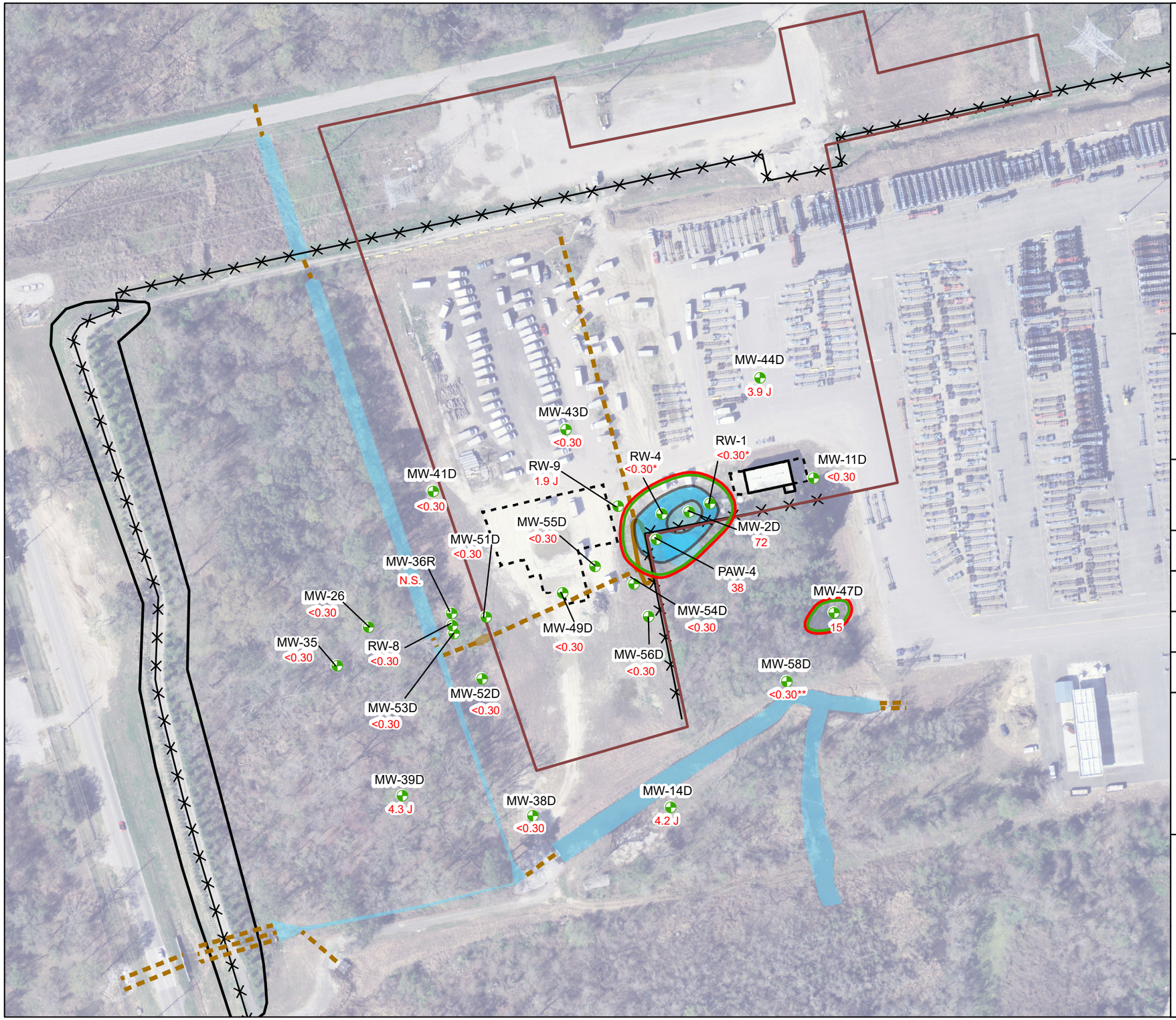
DESIGNED BY: A.G.	REVISIONS NO.	REVISIONS DATE	DATE: 10/27/2017
DRAWN BY: S.F.H.			SCALE: SEE BAR SCALE
CHECKED BY: A.S.			SHEET NO.: 1 OF 1
APPROVED BY: R.M.			

FIGURE 3-5: APRIL 2017 SHALLOW TCE ISOCONCENTRATION MAP

EIC

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
- BELOW-GRADE STORM WATER DRAINAGE PIPES
- BUILDINGS
- CONCRETE APRONS
- STORM WATER 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-49D	WELL ID
<0.30	CONCENTRATION IN µg/L
<0.30*	NOT CONSIDERED
N.S.	NOT SAMPLED
<0.30**	NOT CONSIDERED, CONCENTRATIONS WERE OBSERVED DURING THE JULY 2017 SAMPLING EVENT

CONCENTRATIONS IN µg/L

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

NOTES: AERIAL PHOTO IS FROM USGS 0.15 m 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, EMC ENGINEERING SERVICES IN JUNE 2015 AND MOCK SURVEYING IN JANUARY 2016 AND MAY 2017. WELLS WITH SCREEN INTERVALS BELOW 20 FEET BELOW GROUND SURFACE ARE CONSIDERED DEEP WELLS.

N

150 75 0 150

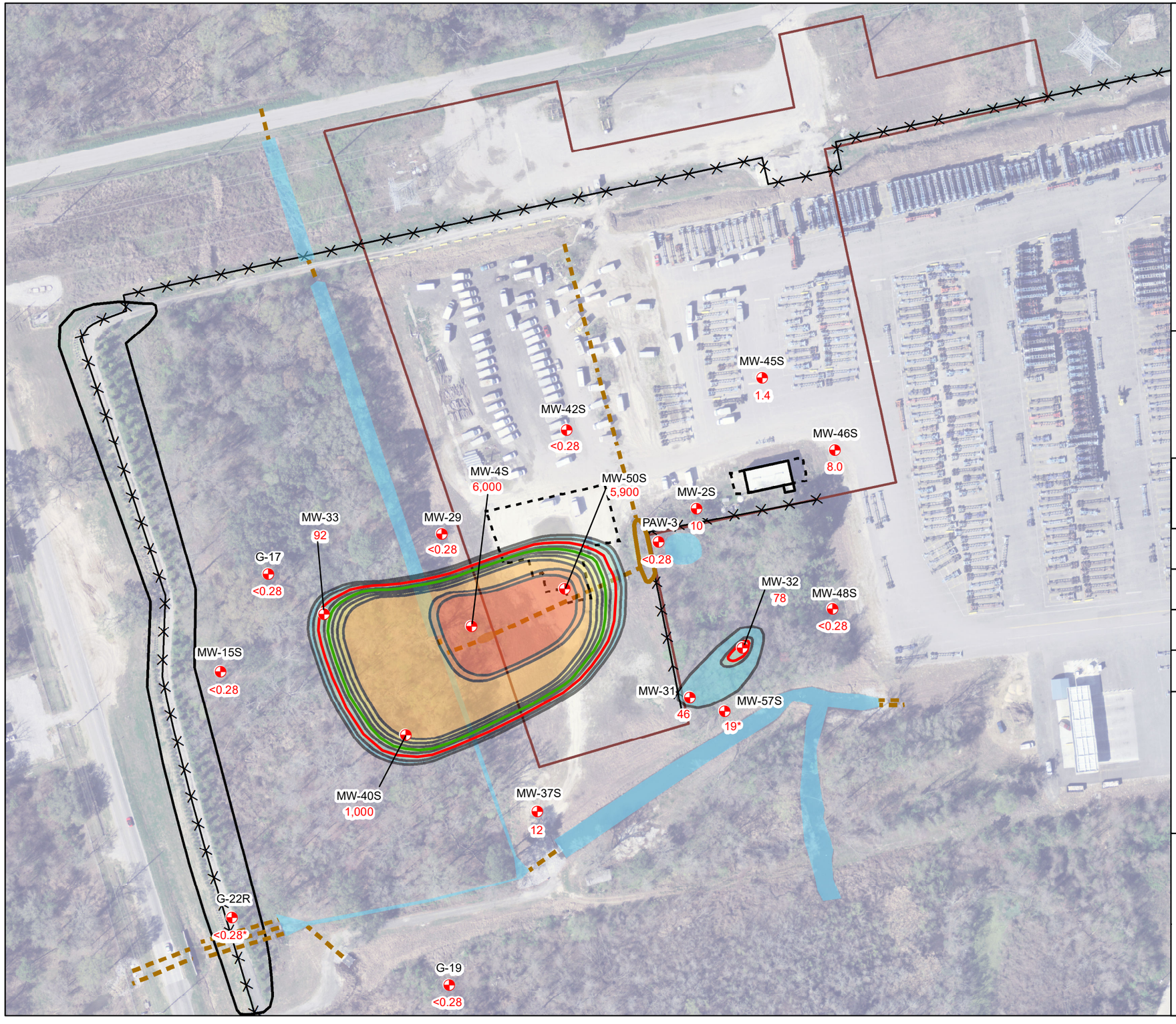
Feet

DESIGNED BY: A.G.	REVISIONS NO.	REVISIONS DATE	DATE: 10/27/2017
DRAWN BY: S.F.H.			SCALE: SEE BAR SCALE
			SHEET NO.: 1 OF 1
CHECKED BY: A.S.			
APPROVED BY: R.M.			

FIGURE 3-6: APRIL 2017 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
- BELOW-GRADE STORM WATER DRAINAGE PIPES
- BUILDINGS
- CONCRETE APRONS
- STORM WATER 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
- <0.28 — CONCENTRATION IN µg/L
- <0.28* — NOT CONSIDERED, CONCENTRATIONS WERE OBSERVED DURING THE JULY 2017 SAMPLING EVENT

CONCENTRATIONS IN µg/L

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

NOTES: AERIAL PHOTO IS FROM USGS 0.15 m 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, EMC ENGINEERING SERVICES IN JUNE 2015 AND MOCK SURVEYING IN JANUARY 2016 AND MAY 2017. WELLS WITH SCREEN INTERVALS BETWEEN 0 AND 20 FEET BELOW GROUND SURFACE ARE CONSIDERED SHALLOW WELLS.

N

150 75 0 150

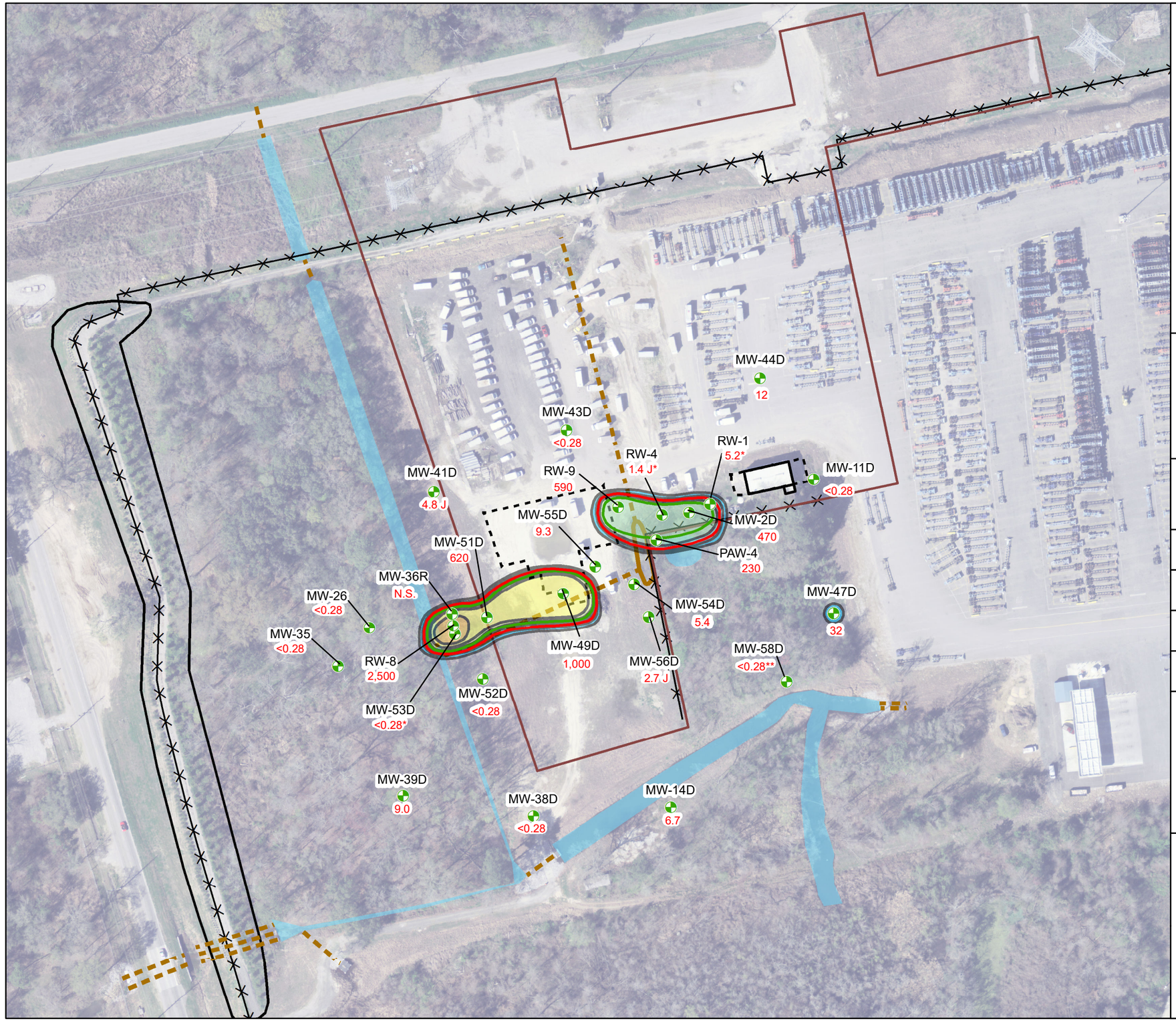
Feet

DESIGNED BY: A.G.	REVISIONS NO.	REVISIONS DATE	DATE: 10/27/2017
DRAWN BY: S.F.H.			SCALE: SEE BAR SCALE
CHECKED BY: A.S.			SHEET NO.: 1 OF 1
APPROVED BY: R.M.			

FIGURE 3-7: APRIL 2017 SHALLOW 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
- BELOW-GRADE STORM WATER DRAINAGE PIPES
- BUILDINGS
- CONCRETE APRONS
- STORM WATER 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-40S	WELL ID
<0.28	CONCENTRATION IN µg/L
<0.28*	NOT CONSIDERED
N.S.	NOT SAMPLED
<0.28**	NOT CONSIDERED, CONCENTRATIONS WERE OBSERVED DURING THE JULY 2017 SAMPLING EVENT

CONCENTRATIONS IN µg/L

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

NOTES: AERIAL PHOTO IS FROM USGS 0.15 m 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, EMC ENGINEERING SERVICES IN JUNE 2015 AND MOCK SURVEYING IN JANUARY 2016 AND MAY 2017. WELLS WITH SCREEN INTERVALS BELOW 20 FEET BELOW GROUND SURFACE ARE CONSIDERED DEEP WELLS.

N

150 75 0 150

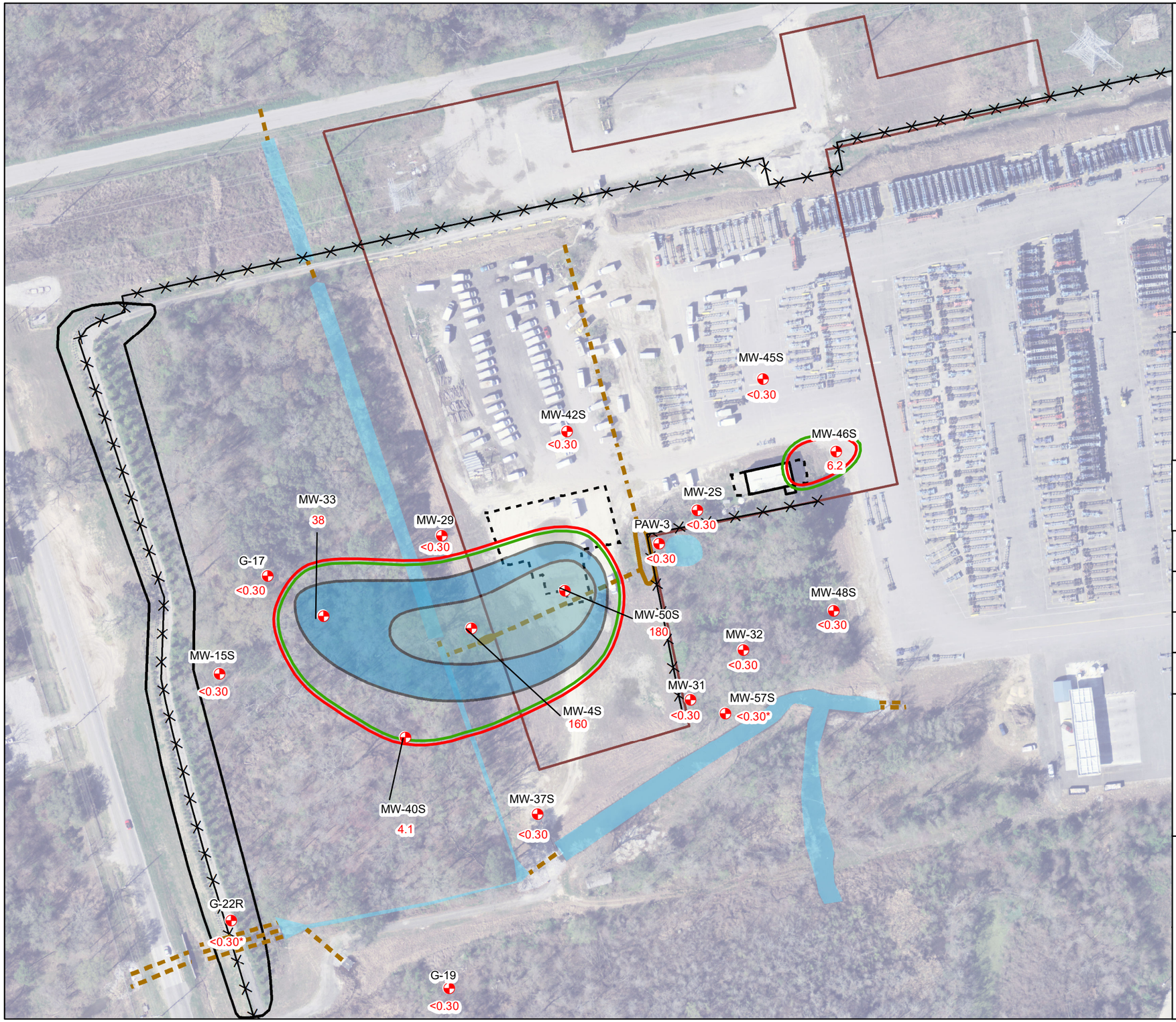
Feet

DESIGNED BY: A.G.	REVISIONS NO.	REVISIONS DATE	DATE: 10/27/2017
DRAWN BY: S.F.H.			SCALE: SEE BAR SCALE
			SHEET NO.: 1 OF 1
CHECKED BY: A.S.			
APPROVED BY: R.M.			

FIGURE 3-8: APRIL 2017
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
- BELOW-GRADE STORM WATER DRAINAGE PIPES
- BUILDINGS
- CONCRETE APRONS
- STORM WATER 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
- <0.30 — CONCENTRATION IN µg/L
- <0.30* — NOT CONSIDERED, CONCENTRATIONS WERE OBSERVED DURING THE JULY 2017 SAMPLING EVENT

CONCENTRATIONS IN µg/L

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

NOTES: AERIAL PHOTO IS FROM USGS 0.15 m 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, EMC ENGINEERING SERVICES IN JUNE 2015 AND MOCK SURVEYING IN JANUARY 2016 AND MAY 2017. WELLS WITH SCREEN INTERVALS BETWEEN 0 AND 20 FEET BELOW GROUND SURFACE ARE CONSIDERED SHALLOW WELLS.

N

150 75 0 150

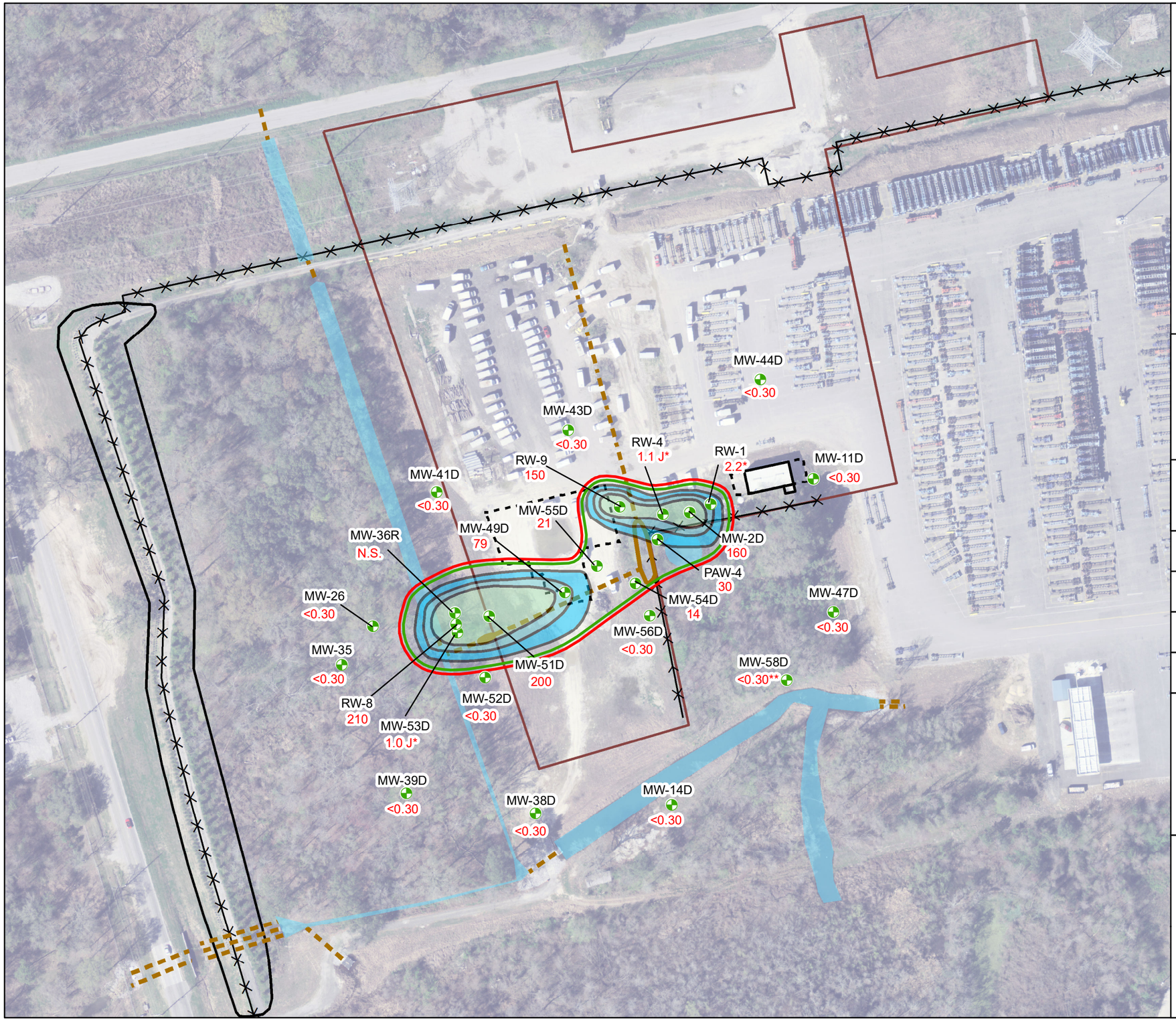
Feet

DESIGNED BY: A.G.	REVISIONS NO.	REVISIONS DATE	DATE: 10/31/2017
DRAWN BY: S.F.H.			SCALE: SEE BAR SCALE
CHECKED BY: A.S.			SHEET NO.: 1 OF 1
APPROVED BY: R.M.			

FIGURE 3-9: APRIL 2017 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
- BELOW-GRADE STORM WATER DRAINAGE PIPES
- BUILDINGS
- CONCRETE APRONS
- STORM WATER 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-40S	WELL ID
<0.30	CONCENTRATION IN µg/L
2.2*	NOT CONSIDERED
N.S.	NOT SAMPLED
<0.30**	NOT CONSIDERED, CONCENTRATIONS WERE OBSERVED DURING THE JULY 2017 SAMPLING EVENT

CONCENTRATIONS IN µg/L

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

NOTES: AERIAL PHOTO IS FROM USGS 0.15 m 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, EMC ENGINEERING SERVICES IN JUNE 2015 AND MOCK SURVEYING IN JANUARY 2016 AND MAY 2017. WELLS WITH SCREEN INTERVALS BELOW 20 FEET BELOW GROUND SURFACE ARE CONSIDERED DEEP WELLS.

N

150 75 0 150

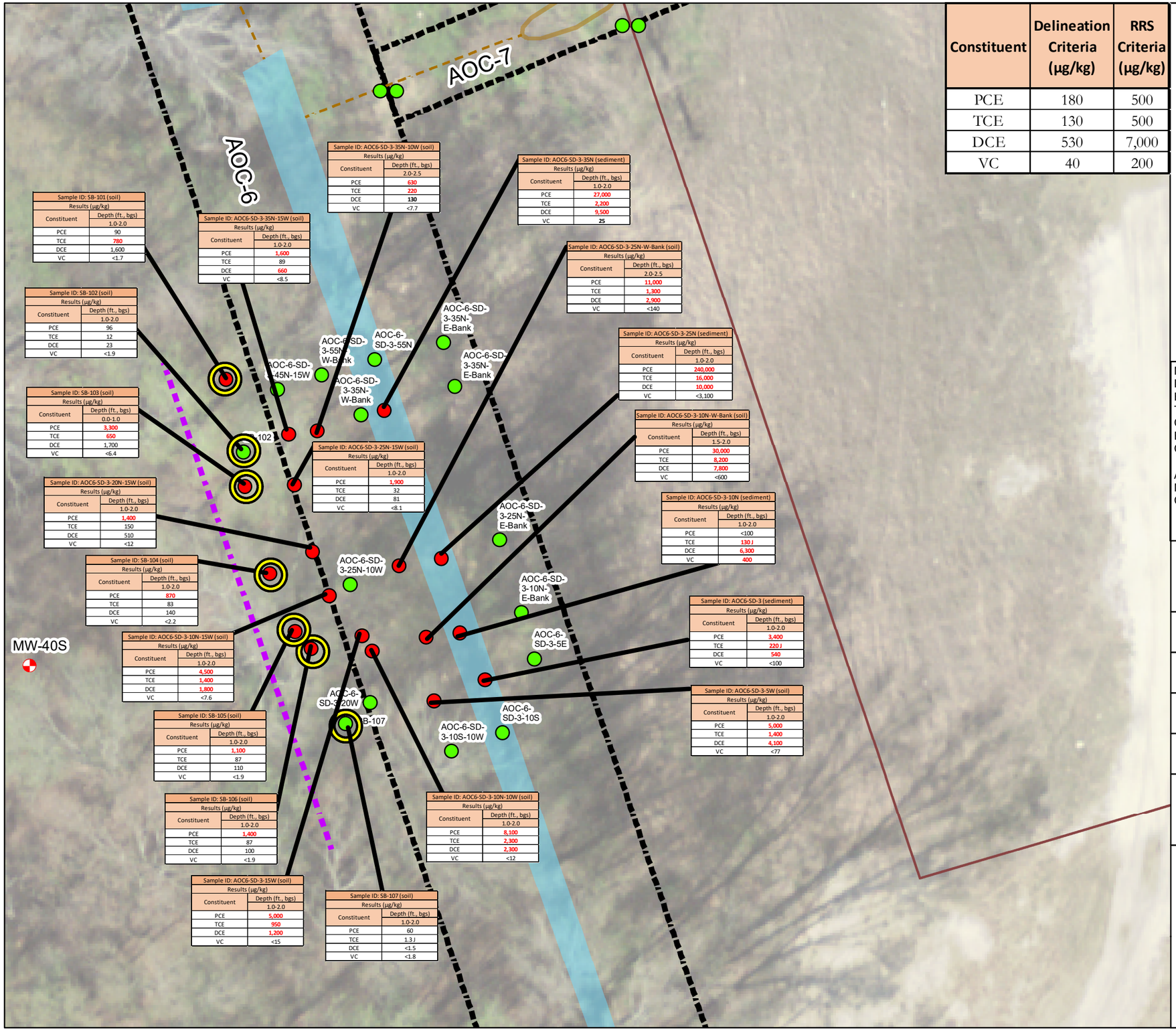
Feet

DESIGNED BY: A.G.	REVISIONS		DATE: 11/15/2017
	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 3-10: APRIL 2017 DEEP VC ISOCONCENTRATION MAP

MCKENZIE TANK LINES
111 GRANGE ROAD
PORT WENTWORTH, GEORGIA 31407

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



Constituent	Delineation Criteria (µg/kg)	RRS Criteria (µg/kg)
PCE	180	500
TCE	130	500
DCE	530	7,000
VC	40	200

Legend

AOC-6 AREA OF CONCERN

FORMER WATER FEATURE

AREA OF CONCERN EXTENTS

SHALLOW (LEFT) AND DEEP (RIGHT) SOIL ANALYTICAL RESULTS

RESULT IS BELOW DELINEATION AND RRS CRITERIA

RESULT IS ABOVE DELINEATION BUT BELOW RRS CRITERIA

RESULT IS ABOVE DELINEATION AND RRS CRITERIA

SITE FEATURES

- BERM OUTLINE
- SECURITY FENCE
- DRAINAGE PIPES
- BUILDINGS
- CONCRETE PADS
- DITCHES
- WATER FEATURES
- FORMER MCKENZIE PROPERTY BOUNDARY
- NEWLY INSTALLED SOIL BORINGS (JUNE 2017)
- APPROXIMATE SOIL SATURATION POINT ALONG AOC-6

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. SITE FEATURES ARE BASED UPON SURVEY CONDUCTED BY BREWER LAND SURVEYING COMPANY IN OCTOBER 2013, BY EMC ENGINEERING SERVICES IN JUNE 2015, AND BY MOCK SURVEYING COMPANY IN JULY 2016 AND APRIL 2017.

AOC SOIL SAMPLING RESULTS ARE FROM JANUARY, MARCH, OCTOBER, AND NOVEMBER 2015, JUNE 2016, AND APRIL 2017 SOIL SAMPLING EVENTS. CONSTIUENTS OF CONCERN (COCS) INCLUDE PCE, TCE, DCE, VC.

N

20 10 0 20

Feet

DESIGNED BY: A.G.	REVISIONS NO.	REVISIONS DATE	DATE: 11/1/2017
DRAWN BY: A.G.			SCALE: SEE BAR SCALE
			SHEET NO.: 1 OF 1
CHECKED BY: A.S.			
APPROVED BY: R.M.			

FIGURE 4-1: AOC-6 SOIL AND SEDIMENT ANALYTICAL RESULTS

MCKENZIE TANK LINES
111 GRANGE ROAD
PORT WENTWORTH, GEORGIA 31047

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

FIGURE 5-1: SB-1 SOIL BORING LOG

ENVIRONMENTAL INT'L CORP.
161 KIMBALL BRIDGE ROAD
ALPHARETTA, GEORGIA, 30009 USA
PHONE: 770-772-7100
FAX: 770-772-0555
http://www.eicusa.com

MONITOR WELL EIC SB-1
PROJECT McKENZIE TANK LINES
LOCATION PORT WENTWORTH, GA
JOB NUMBER 460012
GEOLOGIST DENNIS BRUNNER
DRILL METHOD 7822DT GEOPROBE WITH DPT and HSA

DRILLING COMPANY EMS
DATE DRILLED 04/25/2017
SURFACE ELEVATION 14.91 FT. NAVD 88 DATUM
TOTAL DEPTH OF BORING 30 FT. BGS
TOP OF BEDROCK N/A
UPPER LIMIT OF SATURATION ~17.5 FT. BGS

DEPTH (ft bgs)	UPPER LIMIT OF SATURATION	WELL CONST. DIAGRAM	RECOVERY LENGTH	PID * (ppm)	SAMPLE INTERVAL (ft)	LITH. LOG	DESCRIPTION & REMARKS
2							
0							GROUND SURFACE
			Hand Dug 5.0 FT.				ASPHALT
							MEDIUM TO FINE SAND WITH SOME SILT loose, moist, brownish gray, rock fragments ("crush and run" subbase)
-5			4.0 OF 5.0 FT.	0.0			FINE SAND WITH SILT medium dense, moist, gray to dark gray
							SILT WITH FINE SAND soft, moist, black, cohesive, slight chemical odor
-10		5% Bentonite/ 95% Portland Cement Grout	5.0 OF 5.0 FT.	0.0	13.0 13.8		FINE SAND WITH SOME SILT loose, moist, gray to brown SILT WITH FINE SAND stiff, moist, brownish gray, slightly cohesive
							SILT WITH TRACE FINE SAND medium stiff, moist, rusty brown, cohesive
-15			4.0 OF 5.0 FT.	0.0	17.0 18.0		FINE SAND WITH SOME SILT medium dense, moist to wet, gray
							SILT WITH SOME FINE SAND stiff, moist, gray, slightly cohesive
-20							

FIGURE 5-1: SB-1 SOIL BORING LOG

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FAX: 770-772-0555
http://www.eicusa.com

MONITOR WELL EIC SB-1
PROJECT McKENZIE TANK LINES
LOCATION PORT WENTWORTH, GA
JOB NUMBER 460012
GEOLOGIST DENNIS BRUNNER
DRILL METHOD 7822DT GEOPROBE WITH DPT and HSA

DRILLING COMPANY EMS
DATE DRILLED 04/25/2017
SURFACE ELEVATION 14.91 FT. NAVD 88 DATUM
TOTAL DEPTH OF BORING 30 FT. BGS
TOP OF BEDROCK N/A
UPPER LIMIT OF SATURATION ~17.5 FT. BGS

DEPTH (ft bgs)	UPPER LIMIT OF SATURATION	WELL CONST. DIAGRAM	RECOVERY LENGTH	PID * (ppm)	SAMPLE INTERVAL (ft)	LITH. LOG	DESCRIPTION & REMARKS
-20	SEE PAGE 1		FOLD HERE TO JOIN PAGE 1				
			4.0 OF 5.0 FT.	0.0	23.2 - 24.0		SILT WITH SOME FINE SAND stiff, moist, gray, slightly cohesive
-25		5% Bentonite/ 95% Portland Cement Grout					FINE SAND WITH SOME SILT medium dense, moist, light gray
			5.0 OF 5.0 FT.	0.0	27.0 - 27.6		SILT WITH SOME FINE SAND soft, moist, gray, slightly cohesive
-30							FINE SAND WITH SOME SILT medium dense, moist, dark gray
							FINE SAND WITH TRACE SILT dense, moist, dark gray, white calcite striations
-35							
-40							

Notes:

* = PID values were recorded as soil samples were removed from sampling tube and hand auger bucket (if used)

A monitoring well was attempted but aborted due to the presence of flowing sands which rose into the HSAs to within ~18.2 Ft. BGS

PLAN VIEW

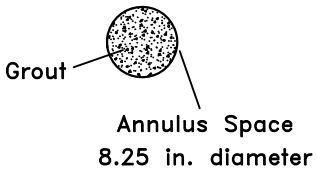

FIGURE 5-2: SB-2 SOIL BORING LOG

ENVIRONMENTAL INT'L CORP.
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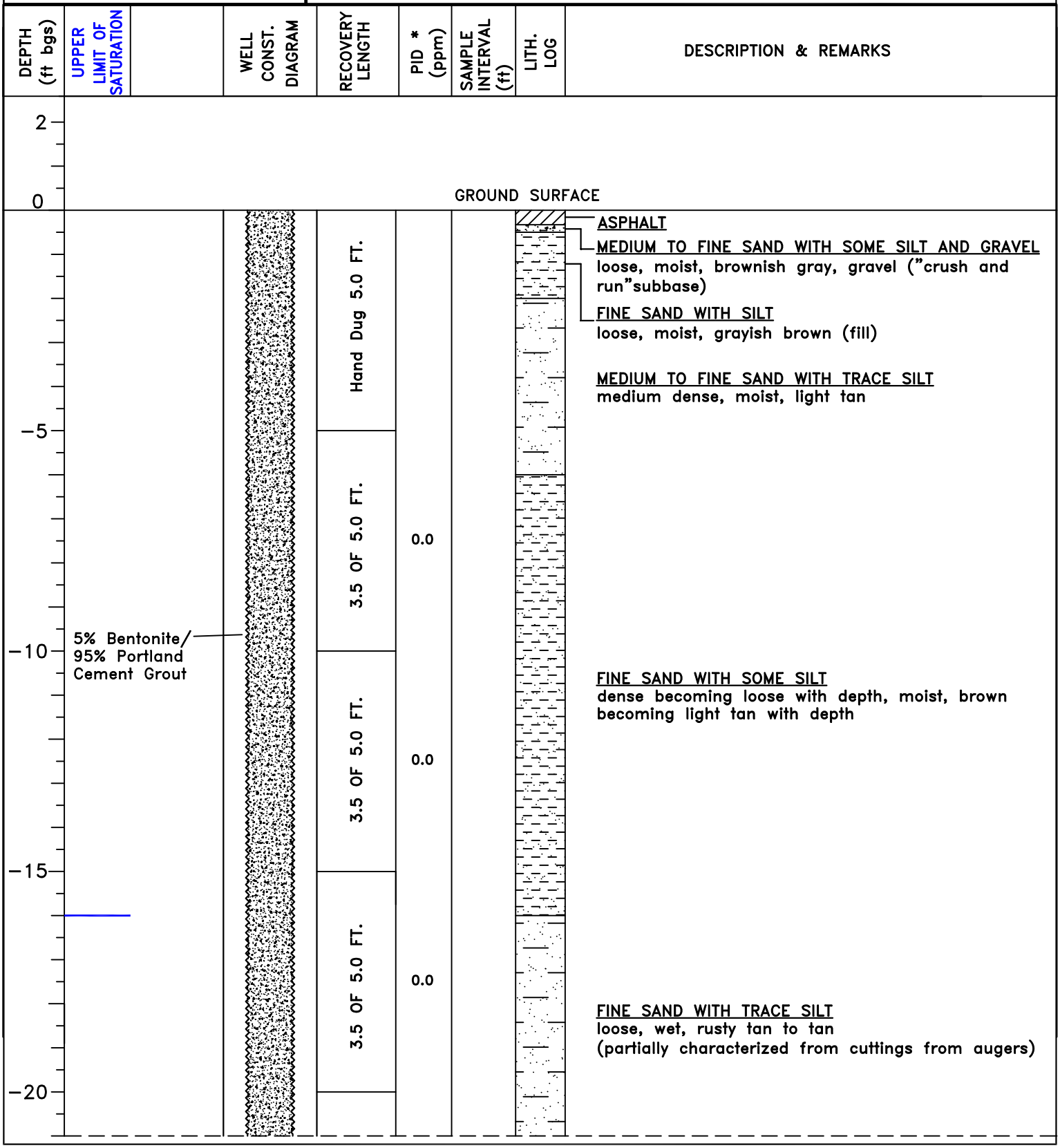
FAX: 770-772-0555
http://www.eicusa.com

MONITOR WELL EIC SB-2
PROJECT McKENZIE TANK LINES
LOCATION PORT WENTWORTH, GA
JOB NUMBER 460012
GEOLOGIST DENNIS BRUNNER
DRILL METHOD 7822DT GEOPROBE WITH DPT and HSA

DRILLING COMPANY EMS
DATE DRILLED 04/24/2017
SURFACE ELEVATION 15.78 FT. NAVD 88 DATUM
TOTAL DEPTH OF BORING 30 FT. BGS
TOP OF BEDROCK N/A
UPPER LIMIT OF SATURATION ~16 FT. BGS



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FAX: 770-772-0555
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FIGURE 5-2: SB-2 SOIL BORING LOG

MONITOR WELL EIC SB-2
PROJECT McKENZIE TANK LINES
LOCATION PORT WENTWORTH, GA
JOB NUMBER 460012
GEOLOGIST DENNIS BRUNNER
DRILL METHOD 7822DT GEOPROBE WITH DPT and HSA

DRILLING COMPANY EMS
DATE DRILLED 04/24/2017
SURFACE ELEVATION 15.78 FT. NAVD 88 DATUM
TOTAL DEPTH OF BORING 30 FT. BGS
TOP OF BEDROCK N/A
UPPER LIMIT OF SATURATION ~16 FT. BGS

DEPTH (ft bgs)	UPPER LIMIT OF SATURATION	WELL CONST. DIAGRAM	RECOVERY LENGTH	PID * (ppm)	SAMPLE INTERVAL (ft)	LITH. LOG	DESCRIPTION & REMARKS
-20	SEE PAGE 1		FOLD HERE TO JOIN PAGE 1				
-25		5% Bentonite/ 95% Portland Cement Grout	NO RECOVERY				FINE SAND WITH TRACE SILT loose, wet, rusty tan to tan (characterized from cuttings from augers)
-30			NO RECOVERY				FINE SAND AND SILT medium dense, wet, rusty tan (characterized from cuttings from augers)
-35							
-40							

Notes:

* = PID values were recorded as soil samples were removed from sampling tube and hand auger bucket (if used)

A monitoring well was attempted but aborted due to the presence of flowing sands which rose into the HSAs to within ~20 Ft. BGS

PLAN VIEW

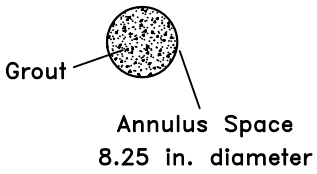

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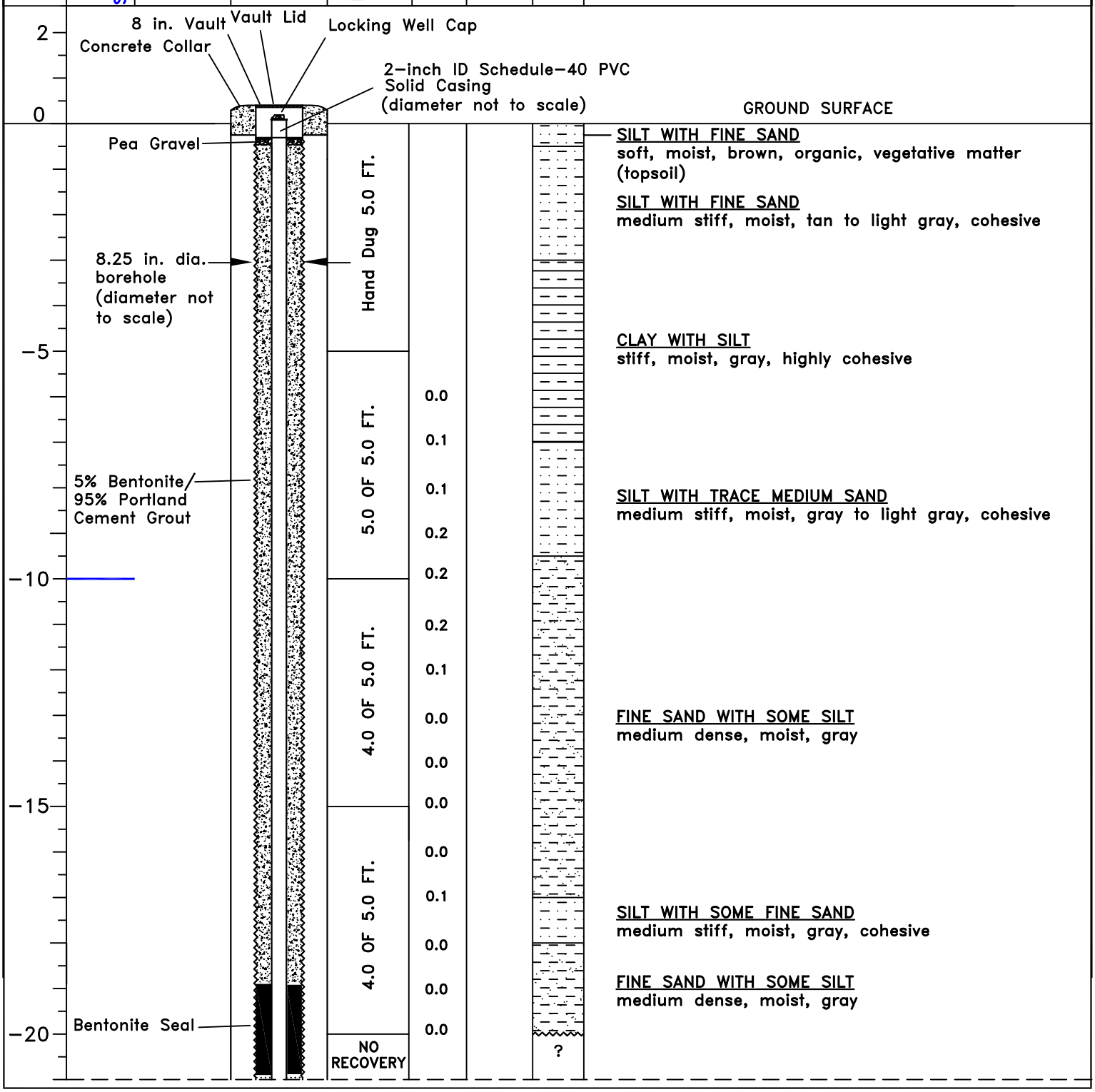
FIGURE 5-3: MONITORING WELL MW-36R

MONITOR WELL MW-36R
PROJECT McKENZIE TANK LINES
LOCATION PORT WENTWORTH, GA
JOB NUMBER 460012
GEOLOGIST DENNIS BRUNNER
DRILL METHOD 7822DT GEOPROBE WITH DPT and HSA

DRILLING COMPANY EMS
DATE DRILLED 04/26/2017
SURFACE ELEVATION 7.72 FT. NAVD 88 DATUM
TOTAL DEPTH OF WELL 27.5 FT. BGS
TOP OF BEDROCK N/A
UPPER LIMIT OF SATURATION 10 FT. BGS



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FAX: 770-772-0555
http://www.eicusa.com

FIGURE 5-3: MONITORING WELL MW-36R

MONITOR WELL MW-36R
PROJECT McKENZIE TANK LINES
LOCATION PORT WENTWORTH, GA
JOB NUMBER 460012
GEOLOGIST DENNIS BRUNNER
DRILL METHOD 7822DT GEOPROBE WITH DPT and HSA

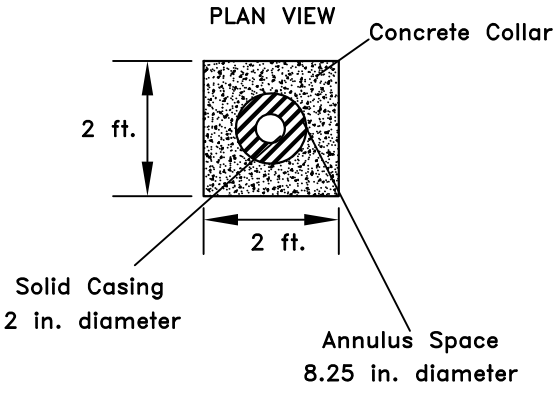
DRILLING COMPANY EMS
DATE DRILLED 04/26/2017
SURFACE ELEVATION 7.72 FT. NAVD 88 DATUM
TOTAL DEPTH OF WELL 27.5 FT. BGS
TOP OF BEDROCK N/A
UPPER LIMIT OF SATURATION 10 FT. BGS

DEPTH (ft bgs)	UPPER LIMIT OF SATURATION	WELL CONST. DIAGRAM	RECOVERY LENGTH	PID * (ppm)	SAMPLE INTERVAL (ft) **	LITH. LOG	DESCRIPTION & REMARKS
-20							SEE PAGE 1 / FOLD HERE TO JOIN PAGE 1
-25		20/30 Silica Sand; 5 ft. PVC Screened Interval (0.010 Slot Size); 2.5 ft. Over-drill	NO RECOVERY; 1.5 OF 5.0 FT. SAMPLE FROM AUGER BIT			? ?	FINE SAND WITH SILT dense, moist, dark gray, some striations (characterized from cuttings from auger bit)
-30		5 in. Well Sump					
-35							
-40							

Notes:

* = PID values were recorded as soil samples were removed from sampling tube and hand auger bucket (if used)

** = No soil samples were collected



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FAX: 770-772-0555
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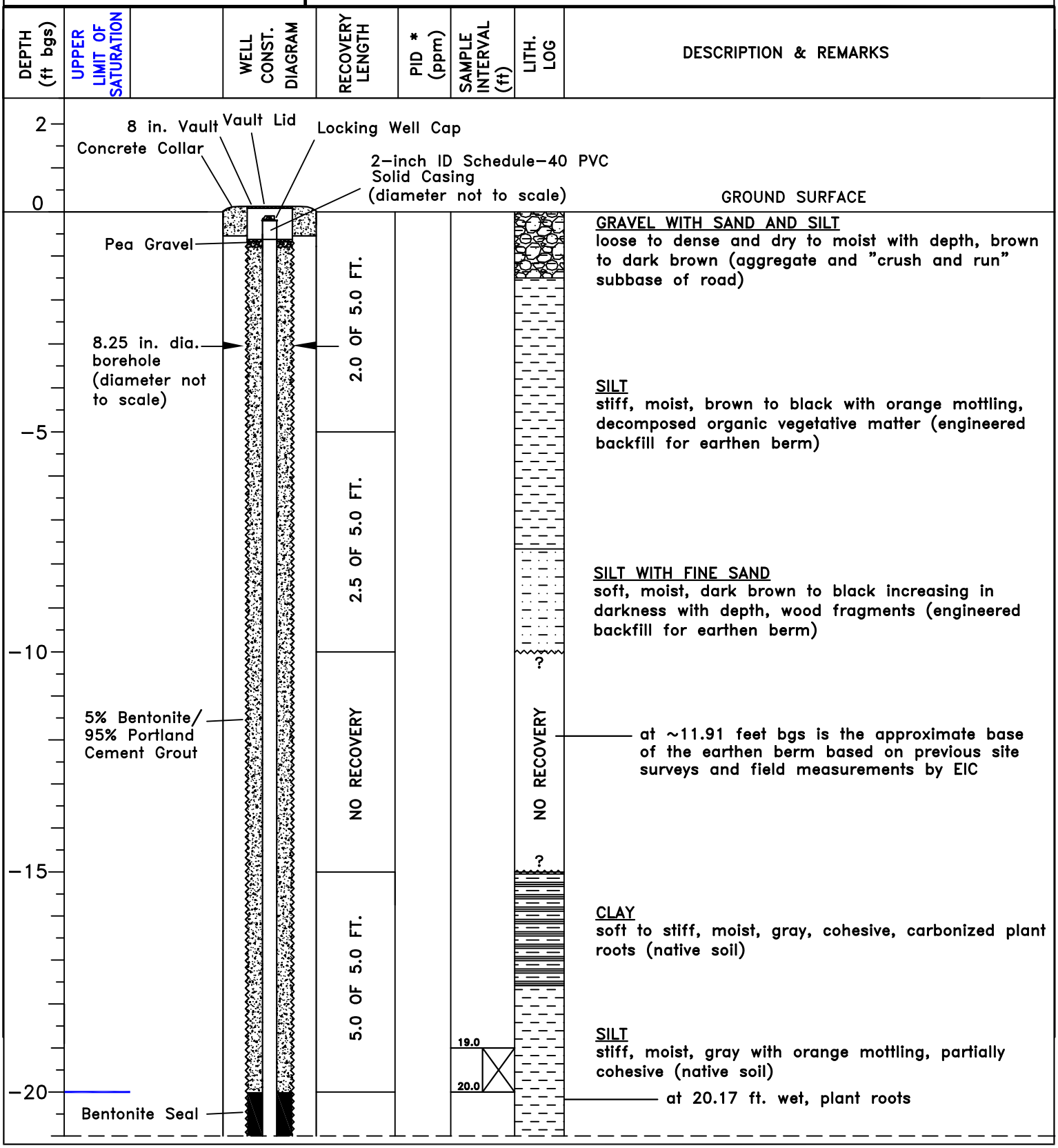
FIGURE 5-4: MONITORING WELL G-22R

MONITOR WELL G-22R	DRILLING COMPANY EMS
PROJECT McKENZIE TANK LINES	DATE DRILLED 05/11/2017
LOCATION PORT WENTWORTH, GA	~17.37 FT. SURFACE ELEVATION NAVD 88 DATUM
JOB NUMBER 460012	TOTAL DEPTH OF WELL 35 FT. BGS
GEOLOGIST ALAN SANDERS	TOP OF BEDROCK N/A
DRILL METHOD 7822DT GEOPROBE WITH DPT and HSA	UPPER LIMIT OF SATURATION 20 FT. BGS



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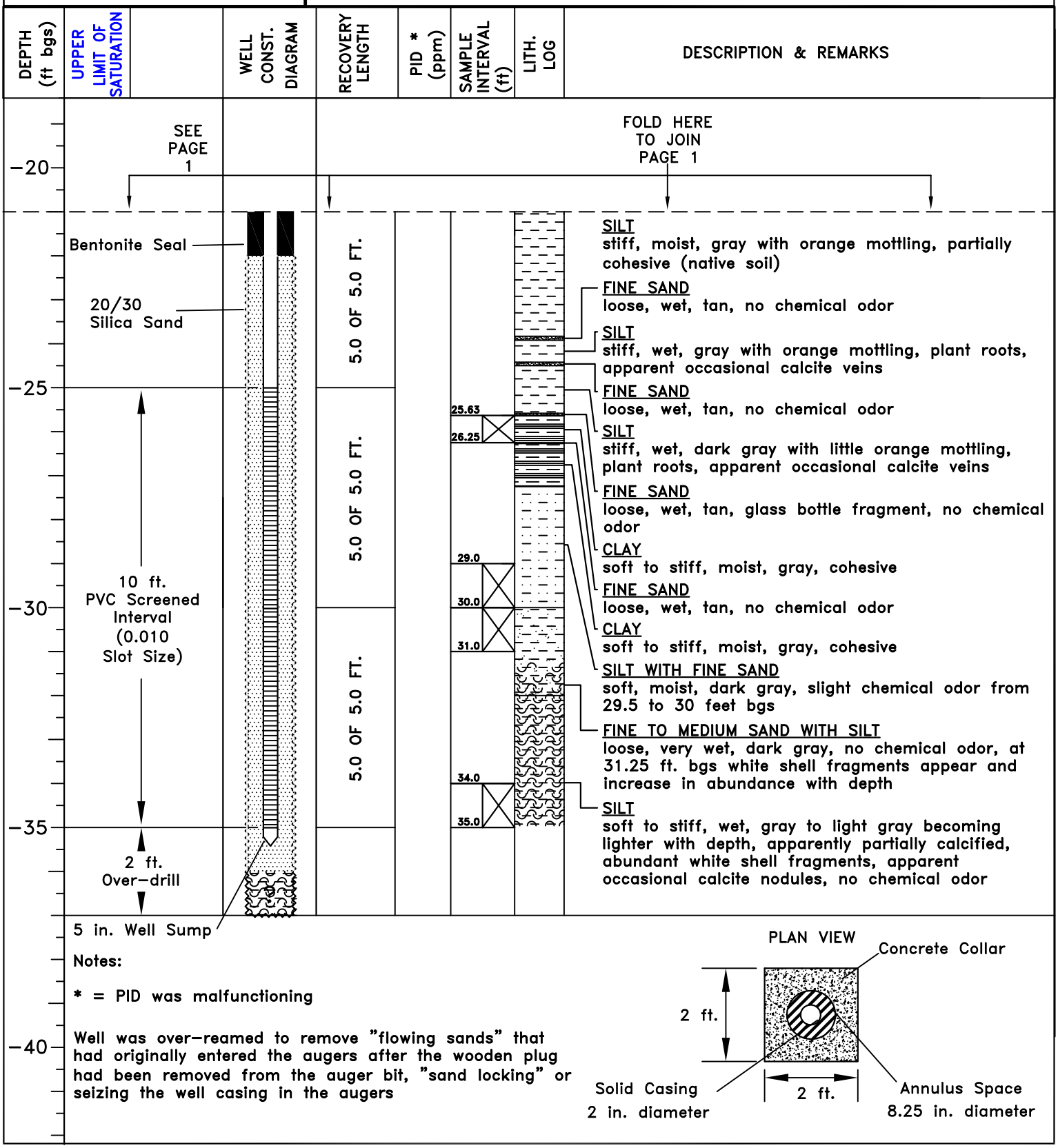
PHONE: 770-772-7100
FAX: 770-772-0555
http://www.eicusa.com

FIGURE 5-4: MONITORING WELL G-22R

MONITOR WELL G-22R
PROJECT McKENZIE TANK LINES
LOCATION PORT WENTWORTH, GA
JOB NUMBER 460012
GEOLOGIST ALAN SANDERS
DRILL METHOD 7822DT GEOPROBE WITH DPT and HSA

DRILLING COMPANY EMS
DATE DRILLED 05/11/2017
SURFACE ELEVATION ~17.37 FT. NAVD 88 DATUM
TOTAL DEPTH OF WELL 35 FT. BGS
TOP OF BEDROCK N/A
UPPER LIMIT OF SATURATION 20 FT. BGS



Notes:

* = PID was malfunctioning

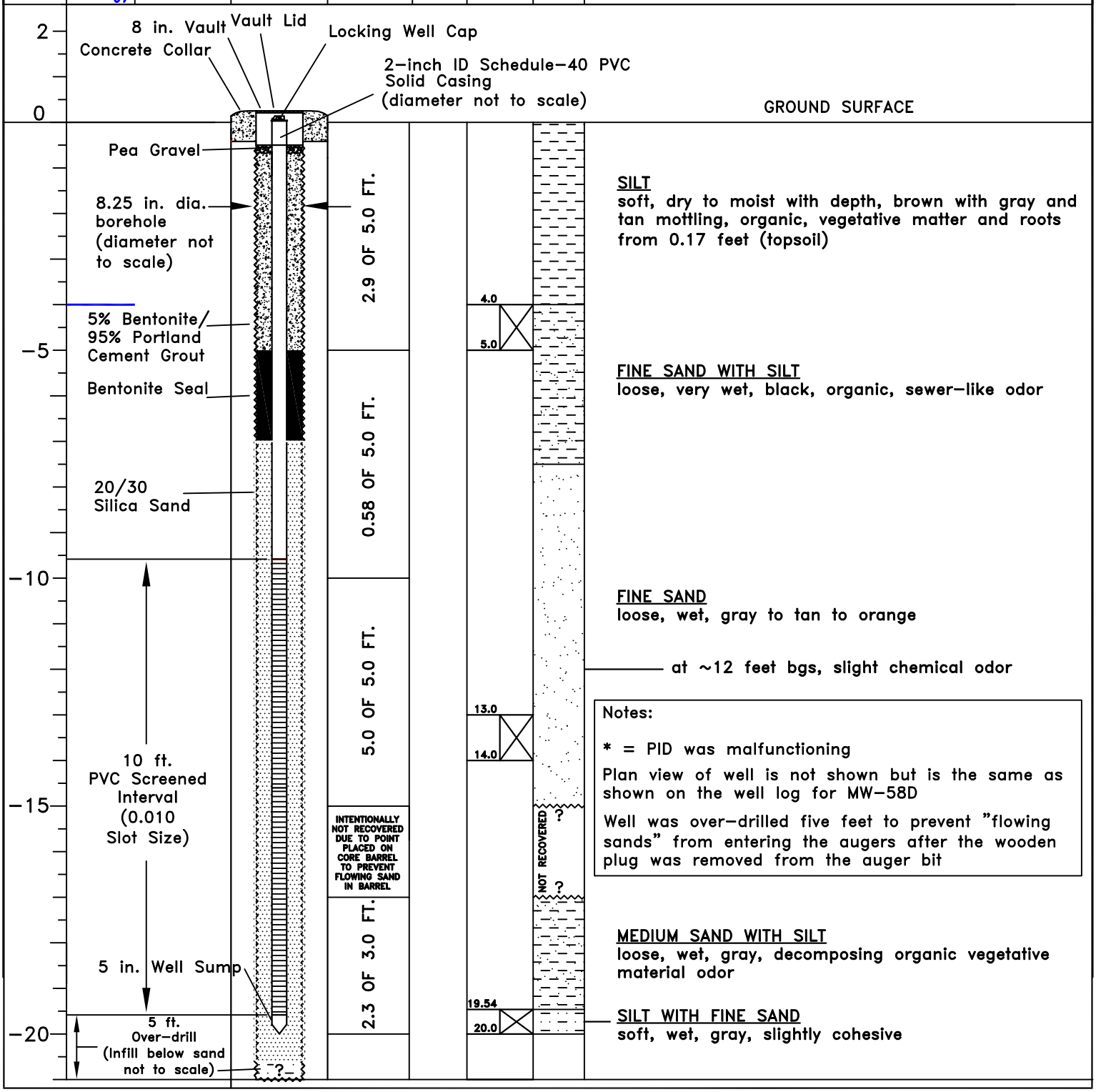
Well was over-reamed to remove "flowing sands" that had originally entered the augers after the wooden plug had been removed from the auger bit, "sand locking" or seizing the well casing in the augers

FIGURE 5-5: MONITORING WELL MW-57S

ENVIRONMENTAL INT'L CORP.
161 KIMBALL BRIDGE ROAD
ALPHARETTA, GEORGIA, 30009 USA
PHONE: 770-772-7100
FAX: 770-772-0555
http://www.eicusa.com

MONITOR WELL MW-57S
PROJECT McKENZIE TANK LINES
LOCATION PORT WENTWORTH, GA
JOB NUMBER 460012
GEOLOGIST ALAN SANDERS
DRILL METHOD 7822DT GEOPROBE WITH DPT and HSA

DRILLING COMPANY EMS
DATE DRILLED 05/10/2017
SURFACE ELEVATION ~9.65 FT. NAVD 88 DATUM
TOTAL DEPTH OF WELL 19.58 FT. BGS
TOP OF BEDROCK N/A
UPPER LIMIT OF SATURATION 4 FT. BGS



Notes:

* = PID was malfunctioning

Plan view of well is not shown but is the same as shown on the well log for MW-58D

Well was over-drilled five feet to prevent "flowing sands" from entering the augers after the wooden plug was removed from the auger bit

ENVIRONMENTAL INT'L CORP.
161 KIMBALL BRIDGE ROAD
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FIGURE 5-6: MONITORING WELL MW-58D

MONITOR WELL MW-58D
PROJECT McKENZIE TANK LINES
LOCATION PORT WENTWORTH, GA
JOB NUMBER 460012
GEOLOGIST ALAN SANDERS
DRILL METHOD 7822DT GEOPROBE WITH DPT and HSA

DRILLING COMPANY EMS
DATE DRILLED 05/10/2017
SURFACE ELEVATION 9.71 FT. NAVD 88 DATUM
TOTAL DEPTH OF WELL 30 FT. BGS
TOP OF BEDROCK N/A
UPPER LIMIT OF SATURATION 2.4 FT. BGS

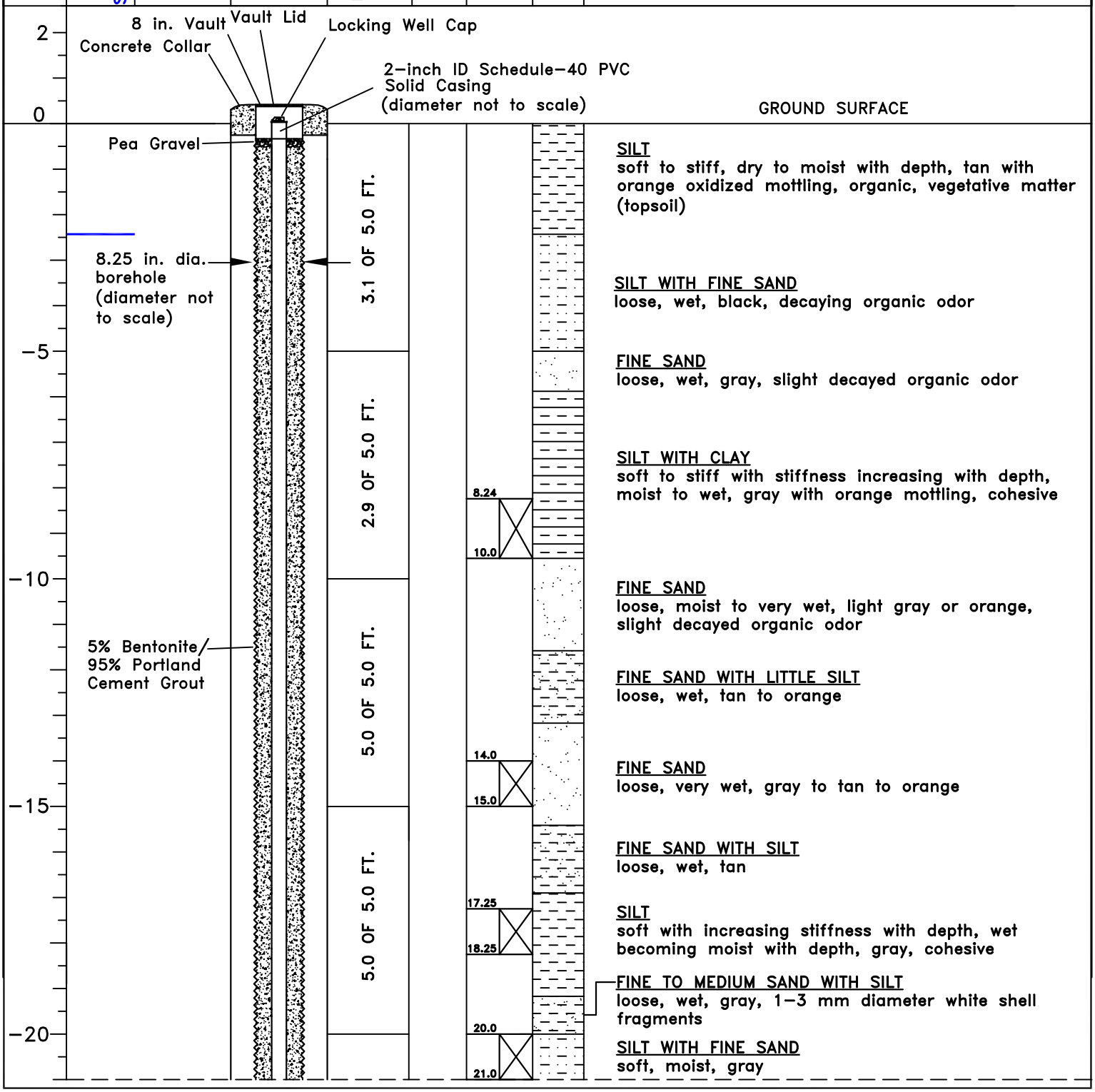

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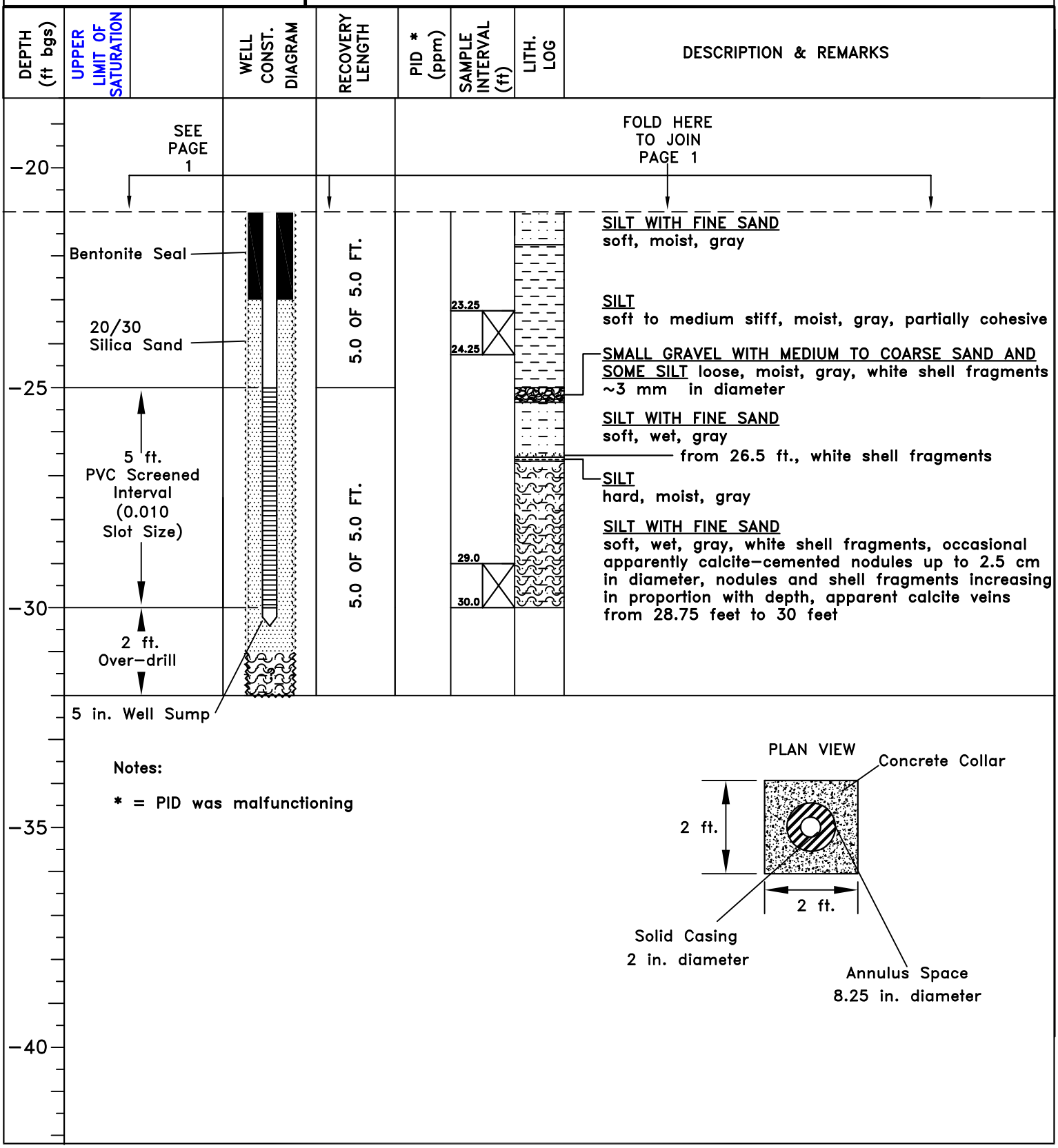
FIGURE 5-6: MONITORING WELL MW-58D

MONITOR WELL MW-58D
PROJECT McKENZIE TANK LINES
LOCATION PORT WENTWORTH, GA
JOB NUMBER 460012
GEOLOGIST ALAN SANDERS
DRILL METHOD 7822DT GEOPROBE WITH DPT and HSA

DRILLING COMPANY EMS
DATE DRILLED 05/10/2017
SURFACE ELEVATION 9.71 FT. NAVD 88 DATUM
TOTAL DEPTH OF WELL 30 FT. BGS
TOP OF BEDROCK N/A
UPPER LIMIT OF SATURATION 2.4 FT. BGS



Notes:

* = PID was malfunctioning

HSI SITE 10406, FORMER MCKENZIE TANK LINES SITE
111 GRANGE ROAD, PORT WENTWORTH, GEORGIA

SEVENTH SEMI-ANNUAL PROGRESS REPORT

ATTACHMENT 3-1
EIC WELL PURGING AND SAMPLING DATA FIELD LOGS
APRIL 2017

ENVIRONMENTAL INTERNATIONAL CORPORATION

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: G-17

DATE: 4/28/17 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: Clear Wind 33°F

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): 4.67 FT. | TIME: 11:50

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: — BENEATH OUTER CAP: — BENEATH INNER CAP: —

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

ANALYTICAL PARAMETERS: 8260 B

LABORATORY PERFORMING ANALYSIS: ~~Test America~~ ARS | 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.)
12:01	0	25.76	5.96	123	1.47	0.3	3.01	NA	
12:08	300	24.97	5.98	113	1.48	7.1	2.61	NA	
12:11	606	24.03	5.96	107	1.47	0.0	2.09	NA	PH 5.96
12:16	906	24.88	5.93	105	1.47	0.0	1.70	NA	
								9.55	

COMMENTS:

SAMPLE COLLECTION TIME: 12:20

PREPARED BY: Stirling

* 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	9.8
Final tubing depth (ft.) BTOC	9.9
Initial pump speed	2.31
Time pump speed was initialized	11:57
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:

ENVIRONMENTAL INTERNATIONAL CORPORATION

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: G-19

DATE: 4/27/17	PROJECT NAME: McKenzie Tank Lines	PROJECT NO: 460009
WEATHER CONDITIONS: Overcast light rain 78° F		
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): 5.80 FT.	TIME: 11:20
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: ~~Test America~~ AES	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.)
11:34	0	27.84	5.34	119	0.071	0.0	16.03	NT	
11:39	300	26.35	4.67	143	0.068	0.0	3.05	NT	
11:47	700	25.30	4.51	148	0.069	0.0	2.20	NT	
11:52	950	25.06	4.50	153	0.072	0.0	2.05	NT	
11:57	1200	24.78	4.45	153	0.071	9.2	1.88	NT	
								8.92	

COMMENTS:

SAMPLE COLLECTION TIME: 12:00

PREPARED BY: SHeaney

* 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	10.2
Final tubing depth (ft.) BTOC	10.2
Initial pump speed	2.00
Time pump speed was initialized	11:25
Pump speed at flow into cylinder	1.70
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: 4/25/17 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: Rain Cloudy 80°F No wind

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: 0.05 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): 4.59 FT. | TIME: 14:00

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: ~~Test America~~ AES | 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.)
14:14	0	21.23	6.05	104	0.212	6.5	4.41	5.45	
14:19	400	21.38	5.78	113	0.212	0.0	2.71	5.62	
14:24	700	21.31	5.70	114	0.214	0.0	2.15	5.68	
14:29	1000	21.32	5.69	113	0.220	0.0	1.90	~~5.6~~	5.71

COMMENTS:

SAMPLE COLLECTION TIME: ~~14:33~~ 5m 14:33

PREPARED BY: S Helms

* 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.)	24.7
Initial tubing depth (ft.) BTOC	21.7
Final tubing depth (ft.) BTOC	21.7
Initial pump speed	2.30
Time pump speed was initialized	14:07
Pump speed at flow into cylinder	1.93
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-2S

DATE: 4/25/17 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: 82°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: 2.85 FT. TO 7.85 FT.

HEIGHT OF STICK-UP: -0.11 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): 4.69 FT. | TIME: 14:49

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: ~~Test America~~ ACZ | 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.)
15:03	0	24.04	5.99	112	1.17	0.0	2.74	4.82	
15:08	350	23.14	6.15	95	1.22	0.0	2.08	4.97	
15:13	700	23.52	6.19	87	1.20	0.0	2.88	5.02	
15:18	1000	24.03	6.23	80	1.22	0.0	2.80	5.02	

COMMENTS:

SAMPLE COLLECTION TIME: 15:22

PREPARED BY: S Helvey

* 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	5.5
Final tubing depth (ft.) BTOC	5.5
Initial pump speed	2.26
Time pump speed was initialized	14.55
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								
Actual Volume (ml)								

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-4S

DATE: 4/26/17 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: Sunny, little to no wind

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): 5.69 FT. | TIME: 11:48

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: Test America | 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.)
12:15	0	29.47	6.20	-53	1.24	14.0	1.20	5.75	
12:21	400	29.55	6.57	-54	1.20	11.6	0.67	5.72	
12:27	680	29.33	6.55	-55	1.21	12.4	0.57	5.72	
12:33	960	29.18	6.60	-55	1.20	9.9	0.57	5.72	

COMMENTS:

SAMPLE COLLECTION TIME: 12:35

PREPARED BY: ADC

* 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	12:09
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

PAGE ____ OF ____

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-11D

DATE: 4-24-17 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

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: 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): 9.07 FT. | TIME: 10:51

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: Test America | 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.)
11:06	0	22.07	6.39	100	0.313	0.0	3.41	9.36	
11:11	400	20.54	5.71	81	0.317	0.0	2.45	9.45	
11:16	850	20.34	5.49	83	0.314	0.0	2.07	9.53	
11:21	1100	20.35	5.36	86	0.315	0.0	1.91	9.59	
11:26	1550	20.32	5.35	84	0.314	0.0	1.80	9.63	
11:31	2100	20.27	5.31	84	0.316	0.0	1.72	9.65	

COMMENTS:

SAMPLE COLLECTION TIME: 11:33

PREPARED BY: [illegible]

* 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	16.4
Final tubing depth (ft.) BTOC	16.4
Initial pump speed	2.50
Time pump speed was initialized	10:50
Pump speed at flow into cylinder	2.50
Started new roll of tubing at	

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket	11:30							
Actual Volume (ml)	2000							

Additional remarks: _____

ENVIRONMENTAL INTERNATIONAL CORPORATION

PAGE 1 OF 1

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-14D

DATE: 1/27/17 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: 35° F Clear Very cold

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): 6.58 FT. | TIME: 1410

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: ~~Test America~~ AEI | 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.)
1424	0	24.01	5.70	132	0.208	201	2.68	7.30	Orange for Initially
1434	500	24.04	6.18	95	0.215	40.4	1.60	7.40	
1439	950	24.04	6.24	76	0.219	31.0	1.42	7.41	
1445	1400	24.10	6.27	58	0.216	24.4	1.28	7.43	
1454	2000	24.23	6.28	40	0.217	23.3	1.19	7.45	
1459	2400	24.52	6.28	33	0.215	9.5	1.12	7.45	

COMMENTS:

SAMPLE COLLECTION TIME: 1504

PREPARED BY: SHelm

* 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.)	36.5
Initial tubing depth (ft.) BTOC	31.7
Final tubing depth (ft.) BTOC	31.7
Initial pump speed	2.33
Time pump speed was initialized	14:14
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	1459							
Actual Volume (ml)	2000							

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION

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WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-15S

DATE: 4/26/17 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: Clear No wind 82°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): 4.~~92~~ 3.92 FT. | TIME: 10:49

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: ~~Test America~~ ABS | 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	0	24.44	6.67	144	0.402	66.1	25.95	NA	
11:03	750	22.94	6.61	136	0.414	51.0	3.54	NA	
11:08	500	22.54	6.59	125	0.416	29.7	2.70	NA	
11:13	1000	22.40	6.57	108	0.417	15.6	2.21	NA	
11:18	1250	22.46	6.56	92	0.418	8.1	1.16	NA	
								4.45	

COMMENTS:

SAMPLE COLLECTION TIME: 11:20

PREPARED BY: S Heeny

* 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	17.4
Final tubing depth (ft.) BTOC	17.4
Initial pump speed	2.4
Time pump speed was initialized	10:52
Pump speed at flow into cylinder	2.03
Started new roll of tubing at	

DTW = 3.92 10:49

	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-26

DATE: 4/26/17 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS:

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): 3.24 FT. | TIME: 10:42

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: Test America | 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.)
10:48	0	26.67	8.19	132	0.373	0.3	2.18	NA	
10:53	560	25.57	8.50	126	0.353	0.0	1.43	NA	slowed pump speed
10:58	800	25.15	8.59	120	0.356	0.0	1.22	NA	
11:03	1180	24.95	8.78	58	0.353	0.0	0.99	NA	
11:12	1800	24.79	9.05	-44	0.357	0.0	0.78	NA	
11:17	2200	24.63	9.02	-54	0.355	1.3	2.98	NA	
11:22	2440	24.79	9.06	-62	0.354	0.9	2.82	NA	
								4.24	

COMMENTS:

SAMPLE COLLECTION TIME: 11:24

PREPARED BY: ADC

* 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	10:44
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	11:15							
Actual Volume (ml)	2000							

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-29

DATE: 4/25/17 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS:

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: -0.01 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): 4.17 FT. | TIME: 16:50

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: — BENEATH OUTER CAP: — BENEATH INNER CAP: —

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

ANALYTICAL PARAMETERS: 8260 B

LABORATORY PERFORMING ANALYSIS: Test America | 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.)
17:00	800	23.84	6.19	55	0.566	0.7	0.56	NA	
17:05	1360	23.39	6.16	54	0.570	0.6	0.46	NA	
17:10	1780	23.22	6.16	50	0.571	0.7	0.42	NA	
								8.17	

COMMENTS:

SAMPLE COLLECTION TIME: 17:12

PREPARED BY: ADC

* 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	low
Time pump speed was initialized	16:55
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-31

DATE: 4/27/17 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS:

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): 8.96 FT. | TIME: 14:04

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: Test America | 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.)
14:14	100	30.35	6.32	119	0.548	10.7	3.50	NA	
14:19	360	29.55	6.22	116	0.569	9.6	1.30	NA	
14:25	600	28.58	6.16	111	0.568	9.1	0.92	NA	
14:30	740	28.25	6.14	113	0.570	7.8	0.83	NA	
14:35	860	28.04	6.14	112	0.570	4.1	0.76	NA	
								6.35	

COMMENTS:

SAMPLE COLLECTION TIME: 14:37

PREPARED BY: ADC

* 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	16.7
Final tubing depth (ft.) BTOC	16.7
Initial pump speed	low
Time pump speed was initialized	14:10
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-32

DATE: 4/27/17 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS:

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): 5.85 FT. | TIME: 11:32

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: — BENEATH OUTER CAP: — BENEATH INNER CAP: —

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

ANALYTICAL PARAMETERS: 8260 B

LABORATORY PERFORMING ANALYSIS: Test America | 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.)
11:41	740	28.38	5.80	178	0.357	4.4	1.55	NA	
11:49	660	27.21	5.22	247	0.345	3.1	1.03	NA	slowed purge speed
11:55	920	26.33	5.27	260	0.359	1.5	0.95	NA	
12:00	1060	26.09	5.21	266	0.367	0.5	0.88	NA	
12:05	1220	25.95	5.18	275	0.374	0.8	0.83	NA	
								6.13	

COMMENTS:

SAMPLE COLLECTION TIME: 12:07

PREPARED BY: ADC

* 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	17.2
Final tubing depth (ft.) BTOC	17.2
Initial pump speed	low
Time pump speed was initialized	11:37
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								
Actual Volume (ml)								

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-33

DATE: 4/26/17 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: Part Cloudy light wind 210°

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): 4.06 FT. | TIME: 14:46

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: ~~Test America~~ ATS | 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.)
14:55	0	24.19	6.59	103	0.524	80.9	2.28	NA	Orang Particles
15:00	600	25.20	6.46	105	0.594	42.9	1.77	NA	
15:05	900	24.61	6.43	95	0.613	32.1	1.64	NA	
15:10	1200	24.65	6.43	94	0.613	1.7	1.55	NA	
								5.05	

COMMENTS:

SAMPLE COLLECTION TIME: 15:14

PREPARED BY: SMcm

* 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	17.1
Final tubing depth (ft.) BTOC	17.1
Initial pump speed	2.50
Time pump speed was initialized	14:44
Pump speed at flow into cylinder	2.0
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-35

DATE: 4/26/17	PROJECT NAME: McKenzie Tank Lines	PROJECT NO: 460009
WEATHER CONDITIONS: 84°F Clear Windy		
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): 1.06 FT.	TIME: 15:32
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: —	BENEATH OUTER CAP: —	BENEATH INNER CAP: —
CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED		
ANALYTICAL PARAMETERS: 8260 B		
LABORATORY PERFORMING ANALYSIS: ~~Test America~~ AEC	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.)
15:53	0	29.29	6.60	72	0.360	0.0	2.54	NA	
15:58	300	25.07	6.89	54	0.383	96.0	1.93	NA	
16:04	800	23.81	7.17	34	0.393	13.1	1.64	NA	
16:09	1100	23.38	7.28	24	0.396	1.6	4.56	NA	
16:14	1500	23.21	7.35	17	0.397	0.0	1.48	NA	
16:19	1750	23.21	7.38	17	0.398	0.0	1.46	NA	
								6.75	

COMMENTS:

SAMPLE COLLECTION TIME: 16:22

PREPARED BY: S Ferdun

* 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.)	372
Initial tubing depth (ft.) BTOC	34.2
Final tubing depth (ft.) BTOC	34.2
Initial pump speed	1.32
Time pump speed was initialized	15:43
Pump speed at flow into cylinder	1.92
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: Well screen interval unknown.

ENVIRONMENTAL INTERNATIONAL CORPORATION

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-37S

DATE: 4/27/17 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS:

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

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 10.41 FT. TO 20.41 FT.

HEIGHT OF STICK-UP: -0.41 FT. | BTOC WELL SCREEN INTERVAL: 10 FT. TO 20 FT.

TOTAL WELL DEPTH (BTOC): Reported NA FT. Measured 20.02 FT. | INITIAL WATER LEVEL (BTOC): 5.06 FT. | TIME: 10:34

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: — BENEATH OUTER CAP: — BENEATH INNER CAP: —

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

ANALYTICAL PARAMETERS: 8260 B

LABORATORY PERFORMING ANALYSIS: AES | 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.)
10:45	0	27.58	7.67	-98	0.268	22.0	1.44	5.12	
10:50	300	27.03	7.60	-90	0.259	24.5	0.75	5.12	
10:55	520	26.48	7.53	-89	0.260	20.3	0.52	5.12	
11:00	680	26.20	7.56	-90	0.263	14.6	0.47	5.12	
11:05	720	26.05	7.56	-90	0.267	14.2	0.51	5.12	
11:10	1200	26.13	7.56	-91	0.264	6.5	0.48	5.12	

COMMENTS:

SAMPLE COLLECTION TIME: 11:12

PREPARED BY: AMC

* 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	10:40
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-38D

DATE: 4/27/17 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS:

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

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 25.53 FT. TO 30.53 FT.

HEIGHT OF STICK-UP: -0.53 FT. | BTOC WELL SCREEN INTERVAL: 25 FT. TO 30 FT.

TOTAL WELL DEPTH (BTOC): Reported NA FT. Measured 29.86 FT. | INITIAL WATER LEVEL (BTOC): 5.38 FT. | TIME: 9:57

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: AES | 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.)
10:07	80	27.59	8.52	93	0.378	0.0	1.01	5.86	
10:12	500	27.72	8.44	87	0.368	0.2	0.58	6.15	
10:17	720	27.73	8.42	37	0.372	0.2	0.53	6.15	
10:22	940	27.82	8.43	-3	0.374	0.1	0.53	6.15	

COMMENTS:

SAMPLE COLLECTION TIME: 10:24

PREPARED BY: ADG

* 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.)	31
Initial tubing depth (ft.) BTOC	27.5
Final tubing depth (ft.) BTOC	27.5
Initial pump speed	10:02 S
Time pump speed was initialized	low
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-39D

DATE: 4/27/17 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS:

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

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 25.07 FT. TO 30.07 FT.

HEIGHT OF STICK-UP: -0.07 FT. | BTOC WELL SCREEN INTERVAL: 25 FT. TO 30 FT.

TOTAL WELL DEPTH (BTOC): Reported NA FT. Measured FT. | INITIAL WATER LEVEL (BTOC): 3.05 FT. | TIME: 15:38

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: Test America | 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.)
15:46	0	27.90	9.81	38	0.296	0.4	1.40	3.19	
15:51	580	23.18	9.42	34	0.323	0.9	0.97	3.22	slowed pump speed
15:56	860	23.35	9.26	32	0.331	0.6	0.77	3.20	
16:01	1160	23.49	9.19	24	0.336	0.0	0.68	3.18	
16:06	1480	23.42	9.21	12	0.333	0.1	0.67	3.18	

COMMENTS:

SAMPLE COLLECTION TIME: 16:08

PREPARED BY: ADC

* 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.)	31
Initial tubing depth (ft.) BTOC	27.5
Final tubing depth (ft.) BTOC	27.5
Initial pump speed	low
Time pump speed was initialized	15:42
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-40S

DATE: 4/27/17 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS:

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

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 10.28 FT. TO 20.28 FT.

HEIGHT OF STICK-UP: -0.28 FT. | BTOC WELL SCREEN INTERVAL: 10 FT. TO 20 FT.

TOTAL WELL DEPTH (BTOC): Reported NA FT. Measured 20.12 FT. | INITIAL WATER LEVEL (BTOC): 1.05 FT. | TIME: 16:20

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: Test America | 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	25.26	7.97	-101	0.251	1.7	1.15	1.08	
16:31	220	24.61	7.82	-106	0.258	0.0	0.93	1.08	
16:36	280	24.36	7.88	-104	0.265	0.2	0.93	1.08	
16:41	480	24.68	7.86	-107	0.262	0.0	0.75	1.08	

COMMENTS:

SAMPLE COLLECTION TIME: 16:43

PREPARED BY: ADC

* 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	16:22
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: pump stopped in between 2nd and 3rd interval, restarted just before third interval.

ENVIRONMENTAL INTERNATIONAL CORPORATION

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-41D

DATE: 4/25/17 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: Sunny slight wind

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

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 25.04 FT. TO 30.04 FT.

HEIGHT OF STICK-UP: -0.04 FT. | BTOC WELL SCREEN INTERVAL: 25 FT. TO 30 FT.

TOTAL WELL DEPTH (BTOC): Reported NA FT. Measured 30.25 FT. | INITIAL WATER LEVEL (BTOC): 3.72 FT. | TIME: 16:10

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: — BENEATH OUTER CAP: — BENEATH INNER CAP: —

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

ANALYTICAL PARAMETERS: 8260 B

LABORATORY PERFORMING ANALYSIS: Test America | 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.)
16:18	180	26.13	8.37	83	0.275	0.7	1.45	NM	
16:23	820	24.67	8.29	91	0.278	0.5	0.87	4.48	slowed pump speed
16:28	1380	24.29	8.26	93	0.281	0.3	0.71	4.27	
16:33	1840	23.98	8.26	91	0.283	0.0	0.65	4.20	

COMMENTS:

SAMPLE COLLECTION TIME: 16:35

PREPARED BY: ADC

* 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.)	31
Initial tubing depth (ft.) BTOC	27.5
Final tubing depth (ft.) BTOC	27.5
Initial pump speed	low
Time pump speed was initialized	16:14
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								
Actual Volume (ml)								

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-42S

DATE: 4/25/17 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS:

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

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 10.39 FT. TO 20.39 FT.

HEIGHT OF STICK-UP: -0.39 FT. | BTOC WELL SCREEN INTERVAL: 10 FT. TO 20 FT.

TOTAL WELL DEPTH (BTOC): Reported NA FT. Measured FT. | INITIAL WATER LEVEL (BTOC): 4.27 FT. | TIME: 14:54

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: ~ BENEATH OUTER CAP: ~ BENEATH INNER CAP: ~

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

ANALYTICAL PARAMETERS: 8260 B

LABORATORY PERFORMING ANALYSIS: Test America | 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.)
15:02	0	25.28	7.68	-31	1.14	3.2	0.90	4.87	
15:07	560	25.26	7.60	-40	1.14	0.9	0.65	5.17	slowed pump speed
15:12	900	25.28	7.61	-42	1.15	0.7	0.61	5.15	
15:17	1260	25.43	7.60	-41	1.15	0.4	0.57	5.13	

COMMENTS:

SAMPLE COLLECTION TIME: 15:19

PREPARED BY: ADC

* 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	14:57
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-43D

DATE: 4/25/17 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: partly cloudy ~ 64°F

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

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 25.36 FT. TO 30.36 FT.

HEIGHT OF STICK-UP: -0.36 FT. | BTOC WELL SCREEN INTERVAL: 25 FT. TO 30 FT.

TOTAL WELL DEPTH (BTOC): Reported NA FT. Measured FT. | INITIAL WATER LEVEL (BTOC): 4.76 FT. | TIME: 12:04

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: Test America | 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.)
1423 ~~1380~~	1380	22.94	8.03	-47	0.412	21.6	0.69	~~4.76~~	
14:29	2000	23.13	8.10	-44	0.403	17.7	0.56	4.77	
14:37	3180	23.44	8.16	-54	0.397	10.9	0.45	4.77	
14:43	~~3780~~	23.65	8.19	-55	0.393	8.0	0.70	4.77	

COMMENTS:

SAMPLE COLLECTION TIME: 14:45

PREPARED BY: ADC

* 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.)	31
Initial tubing depth (ft.) BTOC	27.5
Final tubing depth (ft.) BTOC	27.5
Initial pump speed	low
Time pump speed was initialized	14:20
Pump speed at flow into cylinder	~~0~~ low
Started new roll of tubing at	—

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket	14:33							
Actual Volume (ml)	2500							

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-44D

DATE: 4/25/17 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: cloudy with snow and

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

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 25.26 FT. TO 30.26 FT.

HEIGHT OF STICK-UP: -0.26 FT. | BTOC WELL SCREEN INTERVAL: 25 FT. TO 30 FT.

TOTAL WELL DEPTH (BTOC): Reported NA FT. Measured 30.48 FT. | INITIAL WATER LEVEL (BTOC): 7.23 FT. | TIME: 10:18

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: Test America | 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.)
10:29	0	20.65	5.93	101	0.634	4.9	2.05	7.32	
10:34	900	21.91	5.84	16	0.667	2.0	1.19	7.33	
10:39	1660	22.12	5.81	-16	0.686	2.2	0.95	7.33	
10:44	2240	22.41	5.80	-29	0.692	1.1	0.83	7.34	
10:49	2780	22.57	5.79	-40	0.698	0.8	0.75	7.34	
10:54	3500	22.65	5.82	-47	0.702	0.3	0.67	7.34	

COMMENTS:

SAMPLE COLLECTION TIME: 10:56

PREPARED BY: ADC

* 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.)	31
Initial tubing depth (ft.) BTOC	27.5
Final tubing depth (ft.) BTOC	27.5
Initial pump speed	low
Time pump speed was initialized	10:23
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	10:42							
Actual Volume (ml)	2000							

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-45S

DATE: 4/25/17 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: cloudy, slight wind

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

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 10.38 FT. TO 20.38 FT.

HEIGHT OF STICK-UP: -0.38 FT. | BTOC WELL SCREEN INTERVAL: 10 FT. TO 20 FT.

TOTAL WELL DEPTH (BTOC): Reported NA FT. Measured 20.21 FT. | INITIAL WATER LEVEL (BTOC): 6.71 FT. | TIME: 11:18

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: Test America | 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.)
11:26	180	22.46	5.47	24	0.795	0.0	1.38	6.98	
11:31	900	22.71	5.46	11	0.784	0.0	1.28	7.00	
11:36	1580	22.90	5.46	-1	0.771	0.4	1.04	7.00	
11:41	2500	23.03	5.48	-12	0.757	1.7	0.84	7.00	
11:46	3260	23.05	5.47	-16	0.753	0.0	0.76	7.00	

COMMENTS:

SAMPLE COLLECTION TIME: 11:48

PREPARED BY: ADC

* 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	11:23
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-46S

DATE: 4-24-17 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: windy 80°F cloudy

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

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 10.27 FT. TO 20.27 FT.

HEIGHT OF STICK-UP: -0.27 FT. | BTOC WELL SCREEN INTERVAL: 10 FT. TO 20 FT.

TOTAL WELL DEPTH (BTOC): Reported NA FT. Measured 19.63 FT. | INITIAL WATER LEVEL (BTOC): 5.48 FT. | TIME: 14:21

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: ~~Test America~~ AES | 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.)
14:40	0	26.63	5.89	140	0.666	56.4	3.70	7.24	
14:45	400	25.32	5.72	140	0.690	32.2	2.64	7.25	
14:50	800	24.97	5.70	138	0.693	22.4	2.22	7.25	
14:55	1250	24.91	5.70	136	0.695	15.3	2.01	7.25	
1500	1700	24.23	5.69	135	0.697	~~146~~ 7.1	1.85	7.25	

COMMENTS:

SAMPLE COLLECTION TIME: 15:02

PREPARED BY: Stelmy

* 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.)	31
Initial tubing depth (ft.) BTOC	15
Final tubing depth (ft.) BTOC	15
Initial pump speed	2.54
Time pump speed was initialized	14:32
Pump speed at flow into cylinder	2.54
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-47D

DATE: 4/24/17 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: Partly cloudy

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

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 25.03 FT. TO 30.03 FT.

HEIGHT OF STICK-UP: -0.03 FT. | BTOC WELL SCREEN INTERVAL: 25 FT. TO 30 FT.

TOTAL WELL DEPTH (BTOC): Reported NA FT. Measured 30.13 FT. | INITIAL WATER LEVEL (BTOC): 6.93 FT. | TIME: 10:43

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: ~~ BENEATH OUTER CAP: ~~ BENEATH INNER CAP: ~~

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

ANALYTICAL PARAMETERS: 8260 B

LABORATORY PERFORMING ANALYSIS: Test America | 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.)
11:01	0	20.54	6.61	242	0.340	44.8	2.64	7.15	
11:06	1000	19.50	6.43	200	0.310	31.2	1.13	7.15	
11:11	1660	19.45	6.48	176	0.311	25.8	0.91	7.15	
11:16	2400	19.39	6.54	161	0.316	14.6	0.77	7.17	
11:21	3150	19.47	6.68	146	0.321	13.8	0.68	7.17	
11:26	3900	19.46	6.65	131	0.326	9.3	0.62	7.17	
11:31	4540	19.38	6.69	123	0.330	6.6	0.66	7.17	

COMMENTS:

SAMPLE COLLECTION TIME: 11:33

PREPARED BY: [signature]

* 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.)	31
Initial tubing depth (ft.) BTOC	27.5
Final tubing depth (ft.) BTOC	27.5
Initial pump speed	low
Time pump speed was initialized	10:57
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	11:14							
Actual Volume (ml)	2000							

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-48S

DATE: 4/24/17 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS:

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

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 9.96 FT. TO 19.96 FT.

HEIGHT OF STICK-UP: 0.04 FT. | BTOC WELL SCREEN INTERVAL: 10 FT. TO 20 FT.

TOTAL WELL DEPTH (BTOC): Reported NA FT. Measured 20.05 FT. | INITIAL WATER LEVEL (BTOC): 6.82 FT. | TIME: 14:11

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: — BENEATH OUTER CAP: — BENEATH INNER CAP: —

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

ANALYTICAL PARAMETERS: 8260 B

LABORATORY PERFORMING ANALYSIS: Test America | 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.)
15:33	0	20.14	5.06	380	0.140	0.3	2.78	6.90	
15:38	700	19.38	4.57	407	0.140	0.0	2.07	6.90	
15:43	1340	19.24	4.56	421	0.140	0.0	1.90	6.90	
15:53	2480	19.30	4.55	434	0.142	0.0	1.75	6.90	

COMMENTS:

SAMPLE COLLECTION TIME: 15:56

PREPARED BY: [signature]

* 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	15:28
Pump speed at flow into cylinder	low
Started new roll of tubing at	

[redacted] ADC

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket	15:51							
Actual Volume (ml)	2300							

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION

PAGE 1 OF 1

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-49D

DATE: 4/27/17 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: Cloudy light wind 74°F

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

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 25.08 FT. TO 30.08 FT.

HEIGHT OF STICK-UP: -0.08 FT. | BTOC WELL SCREEN INTERVAL: 25 FT. TO 30 FT.

TOTAL WELL DEPTH (BTOC): Reported NA FT. Measured 30.25 FT. | INITIAL WATER LEVEL (BTOC): 5.53 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: — BENEATH OUTER CAP: — BENEATH INNER CAP: —

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

ANALYTICAL PARAMETERS: 8260 B

LABORATORY PERFORMING ANALYSIS: ~~Test America~~ APS | 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.)
10:22	0	27.65	5.91	112	0.585	0.0	4.20	5.40	
10:27	400	26.74	6.15	87	0.693	0.0	1.84	6.05	
10:32	700	25.16	6.20	62	0.700	0.0	1.59	6.15	
10:37	1000	25.01	6.22	54	0.693	0.0	1.57	6.18	

COMMENTS:

SAMPLE COLLECTION TIME: 10:40

PREPARED BY: S Fleming

* 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.)	31
Initial tubing depth (ft.) BTOC	27.5
Final tubing depth (ft.) BTOC	27.5
Initial pump speed	2.07
Time pump speed was initialized	10:14
Pump speed at flow into cylinder	2.07
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: 4/27/17 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: 81°F Cloudy Windy

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

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 10.12 FT. TO 20.12 FT.

HEIGHT OF STICK-UP: -0.12 FT. | BTOC WELL SCREEN INTERVAL: 10 FT. TO 20 FT.

TOTAL WELL DEPTH (BTOC): Reported NA FT. Measured 20.24 FT. | INITIAL WATER LEVEL (BTOC): 5.55 FT. | TIME: 8:50

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: — BENEATH OUTER CAP: — BENEATH INNER CAP: —

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

ANALYTICAL PARAMETERS: 8260 B

LABORATORY PERFORMING ANALYSIS: ~~Test America~~ AES | 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.)
9:05	0	23.04	4.79	234	0.807	164	2.47	5.64	
9:11 ~~9:10~~	500	23.10	4.48	215	0.818	76.0	1.92	5.64	
9:16	1000	23.13	4.50	202	0.805	67.2	1.50	5.64	
9:22	1500	23.54	4.53	194	0.817	53.5	1.35	5.64	
9:27	2000	23.68	4.56	189	0.817	45.0	1.30	5.64	
9:32	2500	23.86	4.59	184	0.815	29.1	1.23	5.64	
9:37	2800	23.91	4.62	180	0.813	19.3	1.20	5.64	
9:42	3250	24.00	4.64	176	0.809	12.5	1.17	5.64	
9:47	3650	24.15	4.65	174	0.799	9.9	1.13	5.64	

COMMENTS:

SAMPLE COLLECTION TIME: 9:51

PREPARED BY: SHem

* 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	10
Initial pump speed	2.38
Time pump speed was initialized	8:54
Pump speed at flow into cylinder	2.38
Started new roll of tubing at	

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket	9:27							
Actual Volume (ml)	2000							

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-51D

DATE: 4/27/17 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS:

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

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 25.17 FT. TO 30.17 FT.

HEIGHT OF STICK-UP: -0.17 FT. | BTOC WELL SCREEN INTERVAL: 25 FT. TO 30 FT.

TOTAL WELL DEPTH (BTOC): Reported NA FT. Measured 30.26 FT. | INITIAL WATER LEVEL (BTOC): 4.68 FT. | TIME: 8:53

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: — BENEATH OUTER CAP: — BENEATH INNER CAP: —

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

ANALYTICAL PARAMETERS: 8260 B

LABORATORY PERFORMING ANALYSIS: Test America | 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.)
9:05	160	21.72	8.13	-30	0.420	1.0	1.57	4.87	
9:11	620	22.13	8.33	-84	0.436	1.2	0.88	4.87	slowed pump speed
9:17	840	22.55	8.40	-85	0.443	0.9	0.87	4.82	
9:22	1040	23.14	8.40	-81	0.440	0.7	0.92	4.82	

COMMENTS:

SAMPLE COLLECTION TIME: 9:24

PREPARED BY: ADG

* 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.)	31
Initial tubing depth (ft.) BTOC	27.5
Final tubing depth (ft.) BTOC	27.5
Initial pump speed	low
Time pump speed was initialized	9:00
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-52D

DATE: 4/25/12 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: 80°F Clear [illegible]

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

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 25.39 FT. TO 30.39 FT.

HEIGHT OF STICK-UP: -0.39 FT. | BTOC WELL SCREEN INTERVAL: 25 FT. TO 30 FT.

TOTAL WELL DEPTH (BTOC): Reported NA FT. Measured 30.07 FT. | INITIAL WATER LEVEL (BTOC): 3.38 FT. | TIME: 17:32

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: — BENEATH OUTER CAP: — BENEATH INNER CAP: —

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

ANALYTICAL PARAMETERS: 8260 B

LABORATORY PERFORMING ANALYSIS: ~~Test America~~ AES | 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.)
17:39	0	23.95	6.30	95	0.230	4.6	1.81	3.63	
17:44	200	23.93	6.28	95	0.249	2.4	1.74	3.63	
17:47	550	22.49	6.25	93	0.250	~~5.7~~ 5.5	1.54	3.63	
17:54	950	22.25	6.25	87	0.308	0.0	1.43	3.63	
17:59	1300	22.03	6.30	82	0.317	0.0	1.37	3.63	
18:05	1750	21.90	6.35	75	0.321	0.0	1.30	3.63	

COMMENTS: | SAMPLE COLLECTION TIME: 18:09
PREPARED BY: SHelm

* 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.)	31
Initial tubing depth (ft.) BTOC	27.5
Final tubing depth (ft.) BTOC	27.5
Initial pump speed	2.10
Time pump speed was initialized	17:35
Pump speed at flow into cylinder	2.10
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-53D

DATE: 4/26/17 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS:

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

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 25.06 FT. TO 30.06 FT.

HEIGHT OF STICK-UP: -0.06 FT. | BTOC WELL SCREEN INTERVAL: 25 FT. TO 30 FT.

TOTAL WELL DEPTH (BTOC): Reported NA FT. Measured ____ FT. | INITIAL WATER LEVEL (BTOC): 2.15 FT. | TIME: 15:15

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: Test America | 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.)
16:17	0	36.62	8.09	98	0.296	1.9	3.09	3.05	
16:22	400	33.20	8.38	95	0.206	3.5	1.15	2.97	
16:27	840	30.75	8.48	80	0.234	2.8	0.81	2.85	
16:36	1645	28.39	8.65	47	0.267	3.1	0.56	2.72	
16:41	1960	28.44	8.70	34	0.274	1.9	0.51	2.70	
16:46	2400	25.88	8.66	24	0.304	0.3	0.53	2.70	

COMMENTS:

SAMPLE COLLECTION TIME: 16:48

PREPARED BY: ADC

* 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.)	31
Initial tubing depth (ft.) BTOC	27.5
Final tubing depth (ft.) BTOC	27.5
Initial pump speed	low
Time pump speed was initialized	16:13
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-54D

DATE: 4/25/17 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: Cloudy, light rain 78° F

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

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 25.19 FT. TO 30.19 FT.

HEIGHT OF STICK-UP: -0.19 FT. | BTOC WELL SCREEN INTERVAL: 25 FT. TO 30 FT.

TOTAL WELL DEPTH (BTOC): Reported NA FT. Measured 30.42 FT. | INITIAL WATER LEVEL (BTOC): 4.87 FT. | TIME: 17:37

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 AFE

LABORATORY PERFORMING ANALYSIS: ~~Test America~~ STL | 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.)
17:50	0	29.41	6.66	25	0.289	0.0	2.58	5.26	
17:55	550	24.48	6.89	12	0.314	0.0	1.83	5.41	
18:00	950	24.94	6.98	4	0.322	0.0	1.58	5.43	
18:05	1350	23.96	7.01	1	0.322	0.0	1.51	5.45	
18:10	1650	23.89	7.02	-1	0.318	0.0	1.44	5.45	

COMMENTS:

SAMPLE COLLECTION TIME: 18:14

PREPARED BY: Sterling

* 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.)	31
Initial tubing depth (ft.) BTOC	27.5
Final tubing depth (ft.) BTOC	27.5
Initial pump speed	2.38
Time pump speed was initialized	17:40
Pump speed at flow into cylinder	2.22
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-55D

DATE: 4/27/17 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: clear 60°F light wind

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

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 25.15 FT. TO 30.15 FT.

HEIGHT OF STICK-UP: -0.15 FT. | BTOC WELL SCREEN INTERVAL: 25 FT. TO 30 FT.

TOTAL WELL DEPTH (BTOC): Reported NA FT. Measured 30.48 FT. | INITIAL WATER LEVEL (BTOC): 5.94 FT. | TIME: 8:12

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: — BENEATH OUTER CAP: — BENEATH INNER CAP: —

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

ANALYTICAL PARAMETERS: 8260 B

LABORATORY PERFORMING ANALYSIS: ~~Test America~~ AES | 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.)
8:23	0	22.26	6.66	153	0.394	25.6	4.04	6.08	
8:28	400	22.72	6.57	153	0.362	23.1	2.83	6.12	
8:33	800	22.83	6.58	150	0.352	10.4	2.25	6.12	
8:38	1200	22.90	6.57	149	0.348	0.0	1.45	6.12	

COMMENTS:

SAMPLE COLLECTION TIME: 8:40

PREPARED BY: SHelm

* 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.)	31
Initial tubing depth (ft.) BTOC	27.5
Final tubing depth (ft.) BTOC	27.8
Initial pump speed	2.32
Time pump speed was initialized	8:17
Pump speed at flow into cylinder	2.32
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-56D

DATE: 4/25/17 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: Cloudy . Light rain 81°F

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

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 25.32 FT. TO 30.32 FT.

HEIGHT OF STICK-UP: -0.32 FT. | BTOC WELL SCREEN INTERVAL: 25 FT. TO 30 FT.

TOTAL WELL DEPTH (BTOC): Reported NA FT. Measured 30.19 FT. | INITIAL WATER LEVEL (BTOC): 4.42 FT. | TIME: 16:49

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: ~~Test America~~ AES | 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.)
16:54	0	23.32	6.30	73	0.283	0.0	6.04	4.79	
17:05	400	~~23.75~~	6.55	44	0.298	0.0	2.08	4.94	T = 27.52
17:10	800	25.20	6.59	39	0.311	0.0	1.70	4.99	
17:15	1150	24.19	6.61	24	0.319	0.0	1.52	5.02	
17:20	1500	24.29	6.62	14	0.320	0.0	1.41	5.05	

COMMENTS:

SAMPLE COLLECTION TIME: 17:25

PREPARED BY: Shelley

* 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.)	31
Initial tubing depth (ft.) BTOC	27.5
Final tubing depth (ft.) BTOC	27.5
Initial pump speed	2.52
Time pump speed was initialized	16:53
Pump speed at flow into cylinder	2.27
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: PAW-3

DATE: 4/20/17 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: Cloudy 70's F light wind

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): 5.75 FT. | TIME: 10:18

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: ~~Test America~~ AES | 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.)
10:28	0	19.94	5.43	132	0.526	0.0	3.37	5.97	
10:33	450	12.96	5.40	102	0.534	0.0	2.56	6.02	
10:38	850	14.08	5.39	91	0.543	0.0	2.17	6.05	
10:43	1300	14.17	5.38	86	0.555	0.0	1.95	6.05	

COMMENTS:

SAMPLE COLLECTION TIME: 10:47

PREPARED BY: S Helmy

* 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.)	2.0
Initial tubing depth (ft.) BTOC	5.7
Final tubing depth (ft.) BTOC	9.7
Initial pump speed	2.25
Time pump speed was initialized	10:20
Pump speed at flow into cylinder	2.25
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: Well screen interval unknown.

ENVIRONMENTAL INTERNATIONAL CORPORATION

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: PAW-4

DATE: 4/25/17 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: 68°F Overcast 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): 5.67 FT. | TIME: 9:12

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: ~ BENEATH OUTER CAP: ~ BENEATH INNER CAP: ~

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

ANALYTICAL PARAMETERS: 8260 B

LABORATORY PERFORMING ANALYSIS: ~~Test America~~ AES | 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.)
9:22	0	19.43	5.58	199	0.408	66.5	5.03	6.05	some red bacteria
9:27	350	19.46	5.08	198	0.411	102	3.32	6.05	
9:32	700	19.45	4.92	199	0.415	58.3	2.62	6.05	
9:37	1000	19:47	4.87	193	0.421	32.1	2.28	6.05	
9:42	1350	19:47	4.93	177	0.424	10.4	2.03	6.05	
9:47	1700	19.39	4.92	173	0.424	6.0	1.95	6.05	

COMMENTS:

SAMPLE COLLECTION TIME: 9:50

PREPARED BY: Stelmy

* 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
Initial tubing depth (ft.) BTOC	21.4
Final tubing depth (ft.) BTOC	21.4
Initial pump speed	2.51
Time pump speed was initialized	9:16
Pump speed at flow into cylinder	2.19
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: Well screen interval unknown.

ENVIRONMENTAL INTERNATIONAL CORPORATION

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: RW-1

DATE: 4-24-17	PROJECT NAME: McKenzie Tank Lines	PROJECT NO: 460009
WEATHER CONDITIONS: 80°F Low Wind 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): 4.98 FT.	TIME: 15:35
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: Test America AFS	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.)
15:46	0	27.29	5.60	44	0.710	0.0	2.66	5.11	
15:52	750	21.30	5.59	55	0.749	0.0	1.97	5.18	
15:57	1200	21.22	5.59	58	0.750	0.0	1.74	5.21	
16:02	1650	21.06	5.58	56	0.752	0.0	1.57	5.22	

COMMENTS:

SAMPLE COLLECTION TIME: 16:05

PREPARED BY: Stelmig

* 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	2.50
Time pump speed was initialized	15:39
Pump speed at flow into cylinder	2.56
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: RW-4

DATE: 4-25-17	PROJECT NAME: McKenzie Tank Lines	PROJECT NO: 460009
WEATHER CONDITIONS: Cloudy 73°F Low WM		
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): 6.60 FT.	TIME: 11:13
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: —	BENEATH OUTER CAP: —	BENEATH INNER CAP: —
CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED		
ANALYTICAL PARAMETERS: 8260 B		
LABORATORY PERFORMING ANALYSIS: ~~Test America~~ AES	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.)
11:26	0	20.02	5.72	102	0.901	0.0	2.22	6.74	
11:31	400	20.15	5.66	85	0.909	0.0	1.65	6.80	PH = 5.66
11:36	800	20.13	5.65	76	0.911	0.0	1.48	6.85	
11:41	1200	20.23	5.65	71	0.911	0.0	1.41	6.97	

COMMENTS:

SAMPLE COLLECTION TIME: 11:45

PREPARED BY: SHelm2

* 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
Initial tubing depth (ft.) BTOC	21
Final tubing depth (ft.) BTOC	21
Initial pump speed	2.42
Time pump speed was initialized	11:14
Pump speed at flow into cylinder	2.42
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: Diverted Large Clay of block pertinq

ENVIRONMENTAL INTERNATIONAL CORPORATION

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: RW-8

DATE: 4/27/17 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS:

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

WELL DIAMETER (IN.) [ ] 1 [ ] 2 [X] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 19.97 FT. TO 29.97 FT.

HEIGHT OF STICK-UP: 0.03 FT. | BTOC WELL SCREEN INTERVAL: 20.00 FT. TO 30.00 FT.

TOTAL WELL DEPTH (BTOC): Reported 35.00 FT Measured FT. | INITIAL WATER LEVEL (BTOC): 2.33 FT. | TIME: 17:27

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: Test America | 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.)
8:14	0	19.71	7.13	-43	1.81	17.4	1.89	2.28	slowed pump speed
8:19	380	19.73	7.00	-66	1.81	17.2	0.94	2.26	
8:24	600	19.65	7.01	-68	1.81	11.8	0.85	2.26	
8:29	960	19.65	7.00	-68	1.81	14.5	1.28	2.26	crashed Horiba
8:34	1160	19.68	7.01	-69	1.81	14.5	1.19	2.25	

COMMENTS:

SAMPLE COLLECTION TIME: 8:36

PREPARED BY: ADC

* 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.)	23
Initial tubing depth (ft.) BTOC	20
Final tubing depth (ft.) BTOC	20
Initial pump speed	low
Time pump speed was initialized	8:10
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: RW-9

DATE: 4/25/17 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: 84°F Light wind PRT Cloudy

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

WELL DIAMETER (IN.) [ ] 1 [ ] 2 [X] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 19.71 FT. TO 29.71 FT.

HEIGHT OF STICK-UP: 0.29 FT. | BTOC WELL SCREEN INTERVAL: 10.00 FT. TO 30.00 FT.

TOTAL WELL DEPTH (BTOC): Reported 35.00 FT Measured FT. | INITIAL WATER LEVEL (BTOC): 5.49 FT. | TIME: 15:47

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: — BENEATH OUTER CAP: — BENEATH INNER CAP: —

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

ANALYTICAL PARAMETERS: 8260 B

LABORATORY PERFORMING ANALYSIS: ~~Test America~~ AEL | 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.)
16:00	0	25.81	5.61	110	0.917	221	2.30	5.54	Orange tint
16:05	400	25.14	5.56	104	0.825	154	1.91	5.54	
16:10	800	24.43	5.51	99	0.836	39.4	1.59	5.54	
16:15	1200	24.97	5.50	95	0.826	9.6	1.40	5.54	

COMMENTS: | SAMPLE COLLECTION TIME: 16:18

PREPARED BY: S Tillman

* 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.)	23
Initial tubing depth (ft.) BTOC	20
Final tubing depth (ft.) BTOC	20
Initial pump speed	2.45
Time pump speed was initialized	15:50
Pump speed at flow into cylinder	2.40
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: Direct swell Ply of Drone Portable [illegible]

HSI SITE 10406, FORMER MCKENZIE TANK LINES SITE
111 GRANGE ROAD, PORT WENTWORTH, GEORGIA

SEVENTH SEMI-ANNUAL PROGRESS REPORT

ATTACHMENT 3-2
EIC WELL PURGING AND SAMPLING DATA FIELD LOGS
JULY 2017

ENVIRONMENTAL INTERNATIONAL CORPORATION

PAGE 1 OF 2

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: G-22R

DATE: 7/12/17 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 390020

WEATHER CONDITIONS:

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

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

HEIGHT OF STICK-UP: _____ FT. | BTOC WELL SCREEN INTERVAL: _____ FT. TO _____ FT.

TOTAL WELL DEPTH (BTOC): _____ FT. | INITIAL WATER LEVEL (BTOC): (RA) ~~13.81~~ 13.55 FT. | TIME: 1132

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] 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: Xenco | WATER ANALYZER 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.)
1143	0	29.13	6.90	58	0.290	520	2.12	13.80	
1148	540	26.52	7.39	33	0.309	596	1.75	13.75	
1153	820	26.07	7.49	24	0.317	573	1.63	13.75	
1158	1140	26.14	7.55	19	0.318	535	1.58	13.75	
1203	1400	25.81	7.57	15	0.321	500	1.52	13.75	
1208	1780	25.93	7.59	13	0.323	483	1.53	13.75	
1213	2200	25.59	7.62	11	0.325	655	1.53	13.76	
1220	2460	27.06	7.58	18	0.313	532	2.18	13.85	
1225	2980	25.53	7.61	9	0.319	513	1.88	13.85	
1230	3360	25.39	7.59	5	0.316	469	1.22	~~13.85~~	ADC 13.89 DTW
1235	3740	25.53	7.54	1	0.309	364	1.11	13.89	
1240	4500	25.57	7.49	-5	0.300	216	0.87	13.89	
1245	4880	25.60	7.49	-11	0.295	157	0.75	13.89	
1250	5360	25.76	7.47	-15	0.292	125	0.71	13.89	
1255	6000	25.62	7.46	-20	0.290	83.1	0.61	13.89	
1300	6400	25.66	7.46	-24	0.287	59.6	0.58	13.89	

ADC

COMMENTS: | SAMPLE COLLECTION TIME: 1312

PREPARED BY: ADC RA

* 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
Initial tubing depth (ft.) BTOC	35
Final tubing depth (ft.) BTOC	35
Initial pump speed	slow
Time pump speed was initialized	11:39
Pump speed at flow into cylinder	~~slow~~
Started new roll of tubing at	~

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket								

Additional remarks: @ 12:40 increased speed of peristaltic pump
@ 12:45 emptied bentonite to clear water noticed @ 12:46
@ 12:20 water reached cylinder again, began sampling

ENVIRONMENTAL INTERNATIONAL CORPORATION

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: G-12R

DATE: 7/12/17 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 390020

WEATHER CONDITIONS:

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

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

HEIGHT OF STICK-UP: _____ FT. | BTOC WELL SCREEN INTERVAL: _____ FT. TO _____ FT.

TOTAL WELL DEPTH (BTOC): _____ FT. | INITIAL WATER LEVEL (BTOC): _____ FT. | TIME: _____

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] 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: Xenco | WATER ANALYZER 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.)
1305	7000	25.97	7.45	-28	0.288	47.2	0.87	13.89	
1310	7200	25.94	7.47	-31	0.288	47.3	0.60	13.89	

COMMENTS:

SAMPLE COLLECTION TIME: 1312

PREPARED BY: ADG, RA

* 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.)	
Initial tubing depth (ft.) BTOC	
Final tubing depth (ft.) BTOC	
Initial pump speed	
Time pump speed was initialized	
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								

Additional remarks: _____

ENVIRONMENTAL INTERNATIONAL CORPORATION

PAGE 1 OF 1

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-575

DATE: 7/12/17 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 390020

WEATHER CONDITIONS:

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

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

HEIGHT OF STICK-UP: _____ FT. | BTOC WELL SCREEN INTERVAL: _____ FT. TO _____ FT.

TOTAL WELL DEPTH (BTOC): 18.20 FT. | INITIAL WATER LEVEL (BTOC): 2.87 FT. | TIME:

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] 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: Xenco | WATER ANALYZER 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.)
1000	0	25.51	5.96	94	0.603	113	2.15	2.90	
1005	400	25.76	5.59	97	0.636	104	1.02	2.95	
1010	720	25.85	5.54	97	0.647	104	1.04	2.94	
1015	1200	26.41	5.52	97	0.652	100	1.07	2.94	
1020	1600	26.85	5.52	96	0.654	88	0.71	2.94	
1025	2100	26.88	5.52	96	0.646	81.1	0.65	2.94	
1030	2500	27.03	5.51	97	0.630	77.5	0.60	2.94	
1035	2940	27.03	5.51	97	0.616	73.0	0.57	2.94	
1040	3380	26.76	5.51	97	0.602	71.2	0.56	2.94	
1045	3780	26.78	5.51	97	0.592	69.6	0.53	2.94	

COMMENTS:

SAMPLE COLLECTION TIME: 1047

PREPARED BY: ADG RA

* 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	7.0
Time pump speed was initialized	9:56
Pump speed at flow into cylinder	2.5
Started new roll of tubing at	—

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket	1025							

Additional remarks: Purge water has an orange hue.

ENVIRONMENTAL INTERNATIONAL CORPORATION

WELL PURGING AND SAMPLING DATA LOG

PAGE 1 OF 1

WELL/SAMPLE NO: MW-58D

DATE: 7/12/17 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 390020

WEATHER CONDITIONS:

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

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

HEIGHT OF STICK-UP: ~ FT. | BTOC WELL SCREEN INTERVAL: _____ FT. TO _____ FT.

TOTAL WELL DEPTH (BTOC): 29.05 FT. | INITIAL WATER LEVEL (BTOC): 2.88 FT. | TIME: 8:40

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] 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: Xenco | WATER ANALYZER 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.)
8:53	0	24.40	6.89	+36	0.277	414	2.15	2.88	
8:58	300	23.74	7.32	75	0.280	390	1.30	2.88	
9:03	600	24.01	7.45	40	0.279	359	1.37	2.88	
9:08	900	24.15	7.52	18	0.272	310	1.15	2.88	
9:13	1200	24.26	7.53	10	0.268	279	1.02	2.88	
9:18	1500	24.32	7.54	3	0.265	266	0.98	2.88	
9:23	1800	24.34	7.56	-5	0.262	261	0.92	2.88	
9:28	2100	24.37	7.55	-8	0.262	259	0.90	2.88	
9:33	2400	24.39	7.58	-14	0.261	257	0.86	2.88	

COMMENTS:

SAMPLE COLLECTION TIME: 9:35

PREPARED BY: ADC RA

* 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	slow
Time pump speed was initialized	8:50
Pump speed at flow into cylinder	slow
Started new roll of tubing at	~

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket								

Additional remarks: _____

HSI SITE 10406, FORMER MCKENZIE TANK LINES SITE
111 GRANGE ROAD, PORT WENTWORTH, GEORGIA

SEVENTH SEMI-ANNUAL PROGRESS REPORT

ATTACHMENT 3-3 LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES APRIL 2017

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

May 11, 2017

Alan Sanders
Environmental International Corp
161 Kimball Bridge Rd
Alpharetta GA 30009

TEL: (770) 772-7100
FAX:

RE: MTL

Dear Alan Sanders: Order No: 1704P57

Analytical Environmental Services, Inc. received 48 samples on 4/29/2017 11:48:00 AM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES's accreditations are as follows:
-NELAC/Florida State Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, and Drinking Water Microbiology, effective 07/01/16-06/30/17.
State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective 07/01/16-06/30/17 and Total Coliforms and E. coli, effective 04/25/17-04/24/20.
-NELAC/Louisiana Agency Interest No. 100818 for or analysis of Non-Potable Water and Solid & Chemical Materials, effective 07/01/16-06/30/17.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Metals, PCM Asbestos, Gravimetric), Environmental Lead (Paint, Soil, Dust Wipes, Air), and

Jessica Shilling
Project Manager

ANALYTICAL ENVIRONMENTAL SERVICES, INC

3080 Presidential Drive, Atlanta GA 30340-3704
TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1704157

Date: 4/28/17 Page 1 of 4

COMPANY: EIC	ADDRESS: 161 Kimball Bridge Rd Alpharetta, GA 30009 Suite 100
PHONE: 770-772-7100	FAX:
SAMPLED BY: ADG	SIGNATURE:

ANALYSIS REQUESTED: 8260B

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	PRESERVATION (See codes) HH	REMARKS	No # of Containers
1	G-17	4/26/17	12:20	X		GW	2		2
2	G-19	4/27/17	12:00	X		GW	2		2
3	MW-2D	4/25/17	14:33	X		GW	2		2
4	MW-2S	4/25/17	15:22	X		GW	2		2
5	MW-4S	4/26/17	12:35	X		GW	2		2
6	MW-11D	4/24/17	11:33	X		GW	2		2
7	MW-12D	4/27/17	15:04	X		GW	2		2
8	MW-15S	4/26/17	11:20	X		GW	2		2
9	MW-26	4/26/17	11:24	X		GW	2		2
10	MW-29	4/25/17	17:12	X		GW	2		2
11	MW-31	4/27/17	14:37	X		GW	2		2
12	MW-32	4/27/17	12:07	X		GW	2		2
13	MW-33	4/26/17	15:14	X		GW	2		2
14	MW-35	4/26/17	16:22	X		GW	2		2

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1:	4/27 11:48	1:	4/28/17 11:48AM
2:		2:	
3:		3:	

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD
OUT / / VIA:
IN / / VIA:
(CLIENT) FedEx UPS MAIL COURIER
GREYHOUND OTHER

PROJECT INFORMATION
PROJECT NAME: MTL
PROJECT #: 460012 & 460009
SITE ADDRESS: 4
SEND REPORT TO: @asanders@eicusa.com agrant@eicusa.com
INVOICE TO: (IF DIFFERENT FROM ABOVE) EIC
QUOTE #: PO#:

RECEIPT
Total # of Containers: 28

Turnaround Time Request
- ● Standard 5 Business Days
- ○ 2 Business Day Rush
- ○ Next Business Day Rush
- ○ Same Day Rush (auth req.)
- ○ Other

STATE PROGRAM (if any):
E-mail? Y / N; Fax? Y / N
DATA PACKAGE: I II III IV

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water

PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3080 Presidential Drive, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1704257

Date: 4/28/17 Page 2 of 4

COMPANY: Same as First Page

ADDRESS:

PHONE:

FAX:

SAMPLED BY:

SIGNATURE:

ANALYSIS REQUESTED

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	8260B	PRESERVATION (See codes)	REMARKS	No # of Containers
1	MW-37S	4/27/17	11:12	✓		GW	2			2
2	MW-38D	4/27/17	10:24	✓		GW	2			2
3	MW-39D	4/27/17	16:08	✓		GW	2			2
4	MW-40S	4/27/17	16:43	✓		GW	2			2
5	MW-41D	4/25/17	16:35	✓		GW	2			2
6	MW-42S	4/25/17	15:19	✓		GW	2			2
7	MW-43D	4/25/17	14:45	✓		GW	2			2
8	MW-44D	4/25/17	10:56	✓		GW	2			2
9	MW-45S	4/25/17	11:48	✓		GW	2			2
10	MW-46S	4/24/17	15:02	✓		GW	2			2
11	MW-47D	4/24/17	11:33	✓		GW	2			2
12	MW-48S	4/24/17	15:56	✓		GW	2			2
13	MW-49D	4/27/17	10:40	✓		GW	2			2
14	MW-50S	4/27/17	9:51	✓		GW	2			2

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1: [signature]	4/29 11:48	1: [signature]	4/29/2017 11:48AM
2:		2:	
3:		3:	

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD

OUT / / VIA:

IN / / VIA:

(CLIENT) FedEx UPS MAIL COURIER GREYHOUND OTHER_____

PROJECT INFORMATION

PROJECT NAME: Same as First Page

PROJECT #:

SITE ADDRESS:

SEND REPORT TO:

INVOICE TO:
(IF DIFFERENT FROM ABOVE)

QUOTE #:_____ PO#:_____

RECEIPT

Total # of Containers: 28

Turnaround Time Request

- (●) Standard 5 Business Days
- ( ) 2 Business Day Rush
- ( ) Next Business Day Rush
- ( ) Same Day Rush **(auth req.)**
- ( ) Other _____

STATE PROGRAM (if any): _____

E-mail? (Y)/ N; Fax? Y / N

DATA PACKAGE: I II III IV

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES.
SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water

PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3080 Presidential Drive, Atlanta GA 30340-3704
TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1704P57

Date: 4/28/17 Page 3 of 4

COMPANY: Same as First Page
ADDRESS:
PHONE:
FAX:
SAMPLED BY:
SIGNATURE:

ANALYSIS REQUESTED: 8260B

Visit our website **www.aesatlanta.com** to check on the status of your results, place bottle orders, etc.

#	SAMPLE ID	DATE	TIME	Grab	Composite	Matrix (See codes)	8260B (Preservation: H+I)	REMARKS	No # of Containers
1	MW-51D	4/27/17	9:24	✓		GW	2		2
2	MW-52D	4/26/17	15:08	✓		GW	2		2
3	MW-53D	4/26/17	16:48	✓		GW	2		2
4	MW-54D	4/25/17	18:14	✓		GW	2		2
5	MW-55D	4/27/17	8:48	✓		GW	2		2
6	MW-56D	4/25/17	17:25	✓		GW	2		2
7	PAW-3	4/25/17	10:47	✓		GW	2		2
8	PAW-4	4/25/17	9:50	✓		GW	2		2
9	RW-1	4/24/17	16:05	✓		GW	2		2
10	RW-4	4/25/17	11:45	✓		GW	2		2
11	RW-8	4/27/17	8:36	✓		GW	2		2
12	RW-9	4/25/17	16:18	✓		GW	2		2
13	AOC6-SD3-35N-15W	4/28/17	8:23	✓	AOG	SO	4		4
14	AOC6-SD3-45N-15W	4/28/17	8:38	✓		SO	4		4

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1: [signature]	4/28 1:48	1: [signature]	4/29/17 11:48 AM
2:		2:	
3:		3:	

PROJECT INFORMATION
PROJECT NAME: Same as First Page
PROJECT #:
SITE ADDRESS:
SEND REPORT TO:
INVOICE TO: (IF DIFFERENT FROM ABOVE)
QUOTE #: PO#:

RECEIPT
Total # of Containers: 32

Turnaround Time Request
- ● Standard 5 Business Days
- ○ 2 Business Day Rush
- ○ Next Business Day Rush
- ○ Same Day Rush (auth req.)
- ○ Other ____

STATE PROGRAM (if any): ____
E-mail? (Y)/N; Fax? Y / N
DATA PACKAGE: I II III IV

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD
OUT / / VIA:
IN / / VIA:
(CLIENT) FedEx UPS MAIL COURIER GREYHOUND OTHER ____

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water
PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3080 Presidential Drive, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1704157

Date: 4/28/17 Page 4 of 4

COMPANY: Same as First Page

ADDRESS:

PHONE:

FAX:

SAMPLED BY:

SIGNATURE:

ANALYSIS REQUESTED

8260B

MeOH

PRESERVATION (See codes)

HCl

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	PRESERVATION (See codes)	REMARKS	No # of Containers
1	AOC6-SD3-25N-15W	4/28/17	8:50	✓		SO	4		4
2	AOC6-SD3-10N-15W	4/28/17	9:03	✓		SO	4		4
3	AOC6-SD3-20N-15W	4/28/17	9:15	✓		SO	4		4
4	AOC6-SD3-15W	4/28/17	9:25	✓		SO	4		4
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1:	4/29 11:49	1:	4/29/17 11:48 AM
2:		2:	
3:		3:	

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD

OUT / / VIA:

IN / / VIA:

(CLIENT) FedEx UPS MAIL COURIER

GREYHOUND OTHER

PROJECT INFORMATION

PROJECT NAME: Same as First Page

PROJECT #:

SITE ADDRESS:

SEND REPORT TO:

INVOICE TO: (IF DIFFERENT FROM ABOVE)

QUOTE #: PO#:

RECEIPT

Total # of Containers: 16

Turnaround Time Request

- ● Standard 5 Business Days
- ○ 2 Business Day Rush
- ○ Next Business Day Rush
- ○ Same Day Rush **(auth req.)**
- ○ Other

STATE PROGRAM (if any):

E-mail? Y / N; Fax? Y / N

DATA PACKAGE: I II III IV

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water

PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc

Date: 11-May-17

Client: Environmental International Corp
Project: MTL
Lab ID: 1704P57

Case Narrative

Sample Receiving Nonconformance:

A Trip Blank was provided but not listed on the Chain of Custody. Trip blank analyzed at no cost to the client.

Volatile Organic Compounds Analysis by Method 8260B:

Percent recovery for the internal standard compounds Pentafluorobenzene, 1,4-Difluorobenzene, and Chlorobenzene-d5 on sample 1704P57-023A was outside control limits biased low due to suspected matrix interference.

Percent recovery for the internal standard compound Pentafluorobenzene on samples 1704P57-026A, & -030a was outside control limits biased low due to suspected matrix interference. All other internal standard recoveries were within control limits.

Percent recovery for the internal standard compound 1,4-Dichlorobenzene-d4 on samples 1704P57-041A,-043A, -045A, & -046 A was outside control limits biased low due to suspected matrix interference. All other internal standard recoveries were within control limits.

Percent recovery for the internal standard compounds Chlorobenzene-d5 and 1,4-Dichlorobenzene-d4 on sample 1704P57-044A was outside control limits biased low due to suspected matrix interference. All other internal standard recoveries were within control limits.

Analytical Environmental Services, Inc

Date: 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	G-17
Project Name:	MTL	**Collection Date:**	4/26/2017 12:20:00 PM
Lab ID:	1704P57-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	242152	1	05/05/2017 23:00	NH
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	242152	1	05/05/2017 23:00	NH
1,1,2-Trichloroethane	BRL	5.0		ug/L	242152	1	05/05/2017 23:00	NH
1,1-Dichloroethane	BRL	5.0		ug/L	242152	1	05/05/2017 23:00	NH
1,1-Dichloroethene	BRL	5.0		ug/L	242152	1	05/05/2017 23:00	NH
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	242152	1	05/05/2017 23:00	NH
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	242152	1	05/05/2017 23:00	NH
1,2-Dibromoethane	BRL	5.0		ug/L	242152	1	05/05/2017 23:00	NH
1,2-Dichlorobenzene	BRL	5.0		ug/L	242152	1	05/05/2017 23:00	NH
1,2-Dichloroethane	BRL	5.0		ug/L	242152	1	05/05/2017 23:00	NH
1,2-Dichloropropane	BRL	5.0		ug/L	242152	1	05/05/2017 23:00	NH
1,3-Dichlorobenzene	BRL	5.0		ug/L	242152	1	05/05/2017 23:00	NH
1,4-Dichlorobenzene	BRL	5.0		ug/L	242152	1	05/05/2017 23:00	NH
2-Butanone	BRL	50		ug/L	242152	1	05/05/2017 23:00	NH
2-Hexanone	BRL	10		ug/L	242152	1	05/05/2017 23:00	NH
4-Methyl-2-pentanone	BRL	10		ug/L	242152	1	05/05/2017 23:00	NH
Acetone	BRL	50		ug/L	242152	1	05/05/2017 23:00	NH
Benzene	BRL	5.0		ug/L	242152	1	05/05/2017 23:00	NH
Bromodichloromethane	BRL	5.0		ug/L	242152	1	05/05/2017 23:00	NH
Bromoform	BRL	5.0		ug/L	242152	1	05/05/2017 23:00	NH
Bromomethane	BRL	5.0		ug/L	242152	1	05/05/2017 23:00	NH
Carbon disulfide	BRL	5.0		ug/L	242152	1	05/05/2017 23:00	NH
Carbon tetrachloride	BRL	5.0		ug/L	242152	1	05/05/2017 23:00	NH
Chlorobenzene	BRL	5.0		ug/L	242152	1	05/05/2017 23:00	NH
Chloroethane	BRL	10		ug/L	242152	1	05/05/2017 23:00	NH
Chloroform	BRL	5.0		ug/L	242152	1	05/05/2017 23:00	NH
Chloromethane	BRL	10		ug/L	242152	1	05/05/2017 23:00	NH
cis-1,2-Dichloroethene	BRL	5.0		ug/L	242152	1	05/05/2017 23:00	NH
cis-1,3-Dichloropropene	BRL	5.0		ug/L	242152	1	05/05/2017 23:00	NH
Cyclohexane	BRL	5.0		ug/L	242152	1	05/05/2017 23:00	NH
Dibromochloromethane	BRL	5.0		ug/L	242152	1	05/05/2017 23:00	NH
Dichlorodifluoromethane	BRL	10		ug/L	242152	1	05/05/2017 23:00	NH
Ethylbenzene	BRL	5.0		ug/L	242152	1	05/05/2017 23:00	NH
Freon-113	BRL	10		ug/L	242152	1	05/05/2017 23:00	NH
Isopropylbenzene	BRL	5.0		ug/L	242152	1	05/05/2017 23:00	NH
m,p-Xylene	BRL	5.0		ug/L	242152	1	05/05/2017 23:00	NH
Methyl acetate	BRL	5.0		ug/L	242152	1	05/05/2017 23:00	NH
Methyl tert-butyl ether	BRL	5.0		ug/L	242152	1	05/05/2017 23:00	NH
Methylcyclohexane	BRL	5.0		ug/L	242152	1	05/05/2017 23:00	NH
Methylene chloride	BRL	5.0		ug/L	242152	1	05/05/2017 23:00	NH
o-Xylene	BRL	5.0		ug/L	242152	1	05/05/2017 23:00	NH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	G-17
Project Name:	MTL	**Collection Date:**	4/26/2017 12:20:00 PM
Lab ID:	1704P57-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	242152	1	05/05/2017 23:00	NH
Tetrachloroethene	BRL	5.0		ug/L	242152	1	05/05/2017 23:00	NH
Toluene	BRL	5.0		ug/L	242152	1	05/05/2017 23:00	NH
trans-1,2-Dichloroethene	BRL	5.0		ug/L	242152	1	05/05/2017 23:00	NH
trans-1,3-Dichloropropene	BRL	5.0		ug/L	242152	1	05/05/2017 23:00	NH
Trichloroethene	BRL	5.0		ug/L	242152	1	05/05/2017 23:00	NH
Trichlorofluoromethane	BRL	5.0		ug/L	242152	1	05/05/2017 23:00	NH
Vinyl chloride	BRL	2.0		ug/L	242152	1	05/05/2017 23:00	NH
Surr: 4-Bromofluorobenzene	90	66.1-129		%REC	242152	1	05/05/2017 23:00	NH
Surr: Dibromofluoromethane	103	83.6-123		%REC	242152	1	05/05/2017 23:00	NH
Surr: Toluene-d8	105	81.8-118		%REC	242152	1	05/05/2017 23:00	NH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	G-19
Project Name:	MTL	**Collection Date:**	4/27/2017 12:00:00 PM
Lab ID:	1704P57-002	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	242152	1	05/05/2017 23:26	NH
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	242152	1	05/05/2017 23:26	NH
1,1,2-Trichloroethane	BRL	5.0		ug/L	242152	1	05/05/2017 23:26	NH
1,1-Dichloroethane	BRL	5.0		ug/L	242152	1	05/05/2017 23:26	NH
1,1-Dichloroethene	BRL	5.0		ug/L	242152	1	05/05/2017 23:26	NH
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	242152	1	05/05/2017 23:26	NH
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	242152	1	05/05/2017 23:26	NH
1,2-Dibromoethane	BRL	5.0		ug/L	242152	1	05/05/2017 23:26	NH
1,2-Dichlorobenzene	BRL	5.0		ug/L	242152	1	05/05/2017 23:26	NH
1,2-Dichloroethane	BRL	5.0		ug/L	242152	1	05/05/2017 23:26	NH
1,2-Dichloropropane	BRL	5.0		ug/L	242152	1	05/05/2017 23:26	NH
1,3-Dichlorobenzene	BRL	5.0		ug/L	242152	1	05/05/2017 23:26	NH
1,4-Dichlorobenzene	BRL	5.0		ug/L	242152	1	05/05/2017 23:26	NH
2-Butanone	BRL	50		ug/L	242152	1	05/05/2017 23:26	NH
2-Hexanone	BRL	10		ug/L	242152	1	05/05/2017 23:26	NH
4-Methyl-2-pentanone	BRL	10		ug/L	242152	1	05/05/2017 23:26	NH
Acetone	BRL	50		ug/L	242152	1	05/05/2017 23:26	NH
Benzene	BRL	5.0		ug/L	242152	1	05/05/2017 23:26	NH
Bromodichloromethane	BRL	5.0		ug/L	242152	1	05/05/2017 23:26	NH
Bromoform	BRL	5.0		ug/L	242152	1	05/05/2017 23:26	NH
Bromomethane	BRL	5.0		ug/L	242152	1	05/05/2017 23:26	NH
Carbon disulfide	BRL	5.0		ug/L	242152	1	05/05/2017 23:26	NH
Carbon tetrachloride	BRL	5.0		ug/L	242152	1	05/05/2017 23:26	NH
Chlorobenzene	BRL	5.0		ug/L	242152	1	05/05/2017 23:26	NH
Chloroethane	BRL	10		ug/L	242152	1	05/05/2017 23:26	NH
Chloroform	BRL	5.0		ug/L	242152	1	05/05/2017 23:26	NH
Chloromethane	BRL	10		ug/L	242152	1	05/05/2017 23:26	NH
cis-1,2-Dichloroethene	BRL	5.0		ug/L	242152	1	05/05/2017 23:26	NH
cis-1,3-Dichloropropene	BRL	5.0		ug/L	242152	1	05/05/2017 23:26	NH
Cyclohexane	BRL	5.0		ug/L	242152	1	05/05/2017 23:26	NH
Dibromochloromethane	BRL	5.0		ug/L	242152	1	05/05/2017 23:26	NH
Dichlorodifluoromethane	BRL	10		ug/L	242152	1	05/05/2017 23:26	NH
Ethylbenzene	BRL	5.0		ug/L	242152	1	05/05/2017 23:26	NH
Freon-113	BRL	10		ug/L	242152	1	05/05/2017 23:26	NH
Isopropylbenzene	BRL	5.0		ug/L	242152	1	05/05/2017 23:26	NH
m,p-Xylene	BRL	5.0		ug/L	242152	1	05/05/2017 23:26	NH
Methyl acetate	BRL	5.0		ug/L	242152	1	05/05/2017 23:26	NH
Methyl tert-butyl ether	BRL	5.0		ug/L	242152	1	05/05/2017 23:26	NH
Methylcyclohexane	BRL	5.0		ug/L	242152	1	05/05/2017 23:26	NH
Methylene chloride	BRL	5.0		ug/L	242152	1	05/05/2017 23:26	NH
o-Xylene	BRL	5.0		ug/L	242152	1	05/05/2017 23:26	NH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	G-19
Project Name:	MTL	**Collection Date:**	4/27/2017 12:00:00 PM
Lab ID:	1704P57-002	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	242152	1	05/05/2017 23:26	NH
Tetrachloroethene	BRL	5.0		ug/L	242152	1	05/05/2017 23:26	NH
Toluene	BRL	5.0		ug/L	242152	1	05/05/2017 23:26	NH
trans-1,2-Dichloroethene	BRL	5.0		ug/L	242152	1	05/05/2017 23:26	NH
trans-1,3-Dichloropropene	BRL	5.0		ug/L	242152	1	05/05/2017 23:26	NH
Trichloroethene	BRL	5.0		ug/L	242152	1	05/05/2017 23:26	NH
Trichlorofluoromethane	BRL	5.0		ug/L	242152	1	05/05/2017 23:26	NH
Vinyl chloride	BRL	2.0		ug/L	242152	1	05/05/2017 23:26	NH
Surr: 4-Bromofluorobenzene	90.2	66.1-129		%REC	242152	1	05/05/2017 23:26	NH
Surr: Dibromofluoromethane	103	83.6-123		%REC	242152	1	05/05/2017 23:26	NH
Surr: Toluene-d8	103	81.8-118		%REC	242152	1	05/05/2017 23:26	NH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-2D
Project Name:	MTL	**Collection Date:**	4/25/2017 2:33:00 PM
Lab ID:	1704P57-003	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	242152	1	05/04/2017 18:28	NH
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	242152	1	05/04/2017 18:28	NH
1,1,2-Trichloroethane	BRL	5.0		ug/L	242152	1	05/04/2017 18:28	NH
1,1-Dichloroethane	5.4	5.0		ug/L	242152	1	05/04/2017 18:28	NH
1,1-Dichloroethene	22	5.0		ug/L	242152	1	05/04/2017 18:28	NH
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	242152	1	05/04/2017 18:28	NH
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	242152	1	05/04/2017 18:28	NH
1,2-Dibromoethane	BRL	5.0		ug/L	242152	1	05/04/2017 18:28	NH
1,2-Dichlorobenzene	BRL	5.0		ug/L	242152	1	05/04/2017 18:28	NH
1,2-Dichloroethane	BRL	5.0		ug/L	242152	1	05/04/2017 18:28	NH
1,2-Dichloropropane	BRL	5.0		ug/L	242152	1	05/04/2017 18:28	NH
1,3-Dichlorobenzene	BRL	5.0		ug/L	242152	1	05/04/2017 18:28	NH
1,4-Dichlorobenzene	BRL	5.0		ug/L	242152	1	05/04/2017 18:28	NH
2-Butanone	BRL	50		ug/L	242152	1	05/04/2017 18:28	NH
2-Hexanone	BRL	10		ug/L	242152	1	05/04/2017 18:28	NH
4-Methyl-2-pentanone	BRL	10		ug/L	242152	1	05/04/2017 18:28	NH
Acetone	BRL	50		ug/L	242152	1	05/04/2017 18:28	NH
Benzene	BRL	5.0		ug/L	242152	1	05/04/2017 18:28	NH
Bromodichloromethane	BRL	5.0		ug/L	242152	1	05/04/2017 18:28	NH
Bromoform	BRL	5.0		ug/L	242152	1	05/04/2017 18:28	NH
Bromomethane	BRL	5.0		ug/L	242152	1	05/04/2017 18:28	NH
Carbon disulfide	BRL	5.0		ug/L	242152	1	05/04/2017 18:28	NH
Carbon tetrachloride	BRL	5.0		ug/L	242152	1	05/04/2017 18:28	NH
Chlorobenzene	BRL	5.0		ug/L	242152	1	05/04/2017 18:28	NH
Chloroethane	BRL	10		ug/L	242152	1	05/04/2017 18:28	NH
Chloroform	BRL	5.0		ug/L	242152	1	05/04/2017 18:28	NH
Chloromethane	BRL	10		ug/L	242152	1	05/04/2017 18:28	NH
cis-1,2-Dichloroethene	470	50		ug/L	242152	10	05/05/2017 19:34	NH
cis-1,3-Dichloropropene	BRL	5.0		ug/L	242152	1	05/04/2017 18:28	NH
Cyclohexane	BRL	5.0		ug/L	242152	1	05/04/2017 18:28	NH
Dibromochloromethane	BRL	5.0		ug/L	242152	1	05/04/2017 18:28	NH
Dichlorodifluoromethane	BRL	10		ug/L	242152	1	05/04/2017 18:28	NH
Ethylbenzene	BRL	5.0		ug/L	242152	1	05/04/2017 18:28	NH
Freon-113	BRL	10		ug/L	242152	1	05/04/2017 18:28	NH
Isopropylbenzene	BRL	5.0		ug/L	242152	1	05/04/2017 18:28	NH
m,p-Xylene	BRL	5.0		ug/L	242152	1	05/04/2017 18:28	NH
Methyl acetate	BRL	5.0		ug/L	242152	1	05/04/2017 18:28	NH
Methyl tert-butyl ether	BRL	5.0		ug/L	242152	1	05/04/2017 18:28	NH
Methylcyclohexane	BRL	5.0		ug/L	242152	1	05/04/2017 18:28	NH
Methylene chloride	BRL	5.0		ug/L	242152	1	05/04/2017 18:28	NH
o-Xylene	BRL	5.0		ug/L	242152	1	05/04/2017 18:28	NH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
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- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-2D
Project Name:	MTL	**Collection Date:**	4/25/2017 2:33:00 PM
Lab ID:	1704P57-003	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B (SW5030B)								
Styrene	BRL	5.0		ug/L	242152	1	05/04/2017 18:28	NH
Tetrachloroethene	BRL	5.0		ug/L	242152	1	05/04/2017 18:28	NH
Toluene	BRL	5.0		ug/L	242152	1	05/04/2017 18:28	NH
trans-1,2-Dichloroethene	BRL	5.0		ug/L	242152	1	05/04/2017 18:28	NH
trans-1,3-Dichloropropene	BRL	5.0		ug/L	242152	1	05/04/2017 18:28	NH
Trichloroethene	72	5.0		ug/L	242152	1	05/04/2017 18:28	NH
Trichlorofluoromethane	BRL	5.0		ug/L	242152	1	05/04/2017 18:28	NH
Vinyl chloride	160	2.0		ug/L	242152	1	05/04/2017 18:28	NH
Surr: 4-Bromofluorobenzene	91.8	66.1-129		%REC	242152	10	05/05/2017 19:34	NH
Surr: 4-Bromofluorobenzene	94.5	66.1-129		%REC	242152	1	05/04/2017 18:28	NH
Surr: Dibromofluoromethane	99	83.6-123		%REC	242152	1	05/04/2017 18:28	NH
Surr: Dibromofluoromethane	103	83.6-123		%REC	242152	10	05/05/2017 19:34	NH
Surr: Toluene-d8	104	81.8-118		%REC	242152	10	05/05/2017 19:34	NH
Surr: Toluene-d8	106	81.8-118		%REC	242152	1	05/04/2017 18:28	NH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-25
Project Name:	MTL	**Collection Date:**	4/25/2017 3:22:00 PM
Lab ID:	1704P57-004	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	242152	1	05/05/2017 20:00	NH
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	242152	1	05/05/2017 20:00	NH
1,1,2-Trichloroethane	BRL	5.0		ug/L	242152	1	05/05/2017 20:00	NH
1,1-Dichloroethane	BRL	5.0		ug/L	242152	1	05/05/2017 20:00	NH
1,1-Dichloroethene	BRL	5.0		ug/L	242152	1	05/05/2017 20:00	NH
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	242152	1	05/05/2017 20:00	NH
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	242152	1	05/05/2017 20:00	NH
1,2-Dibromoethane	BRL	5.0		ug/L	242152	1	05/05/2017 20:00	NH
1,2-Dichlorobenzene	BRL	5.0		ug/L	242152	1	05/05/2017 20:00	NH
1,2-Dichloroethane	BRL	5.0		ug/L	242152	1	05/05/2017 20:00	NH
1,2-Dichloropropane	BRL	5.0		ug/L	242152	1	05/05/2017 20:00	NH
1,3-Dichlorobenzene	BRL	5.0		ug/L	242152	1	05/05/2017 20:00	NH
1,4-Dichlorobenzene	BRL	5.0		ug/L	242152	1	05/05/2017 20:00	NH
2-Butanone	BRL	50		ug/L	242152	1	05/05/2017 20:00	NH
2-Hexanone	BRL	10		ug/L	242152	1	05/05/2017 20:00	NH
4-Methyl-2-pentanone	BRL	10		ug/L	242152	1	05/05/2017 20:00	NH
Acetone	BRL	50		ug/L	242152	1	05/05/2017 20:00	NH
Benzene	BRL	5.0		ug/L	242152	1	05/05/2017 20:00	NH
Bromodichloromethane	BRL	5.0		ug/L	242152	1	05/05/2017 20:00	NH
Bromoform	BRL	5.0		ug/L	242152	1	05/05/2017 20:00	NH
Bromomethane	BRL	5.0		ug/L	242152	1	05/05/2017 20:00	NH
Carbon disulfide	BRL	5.0		ug/L	242152	1	05/05/2017 20:00	NH
Carbon tetrachloride	BRL	5.0		ug/L	242152	1	05/05/2017 20:00	NH
Chlorobenzene	BRL	5.0		ug/L	242152	1	05/05/2017 20:00	NH
Chloroethane	BRL	10		ug/L	242152	1	05/05/2017 20:00	NH
Chloroform	BRL	5.0		ug/L	242152	1	05/05/2017 20:00	NH
Chloromethane	BRL	10		ug/L	242152	1	05/05/2017 20:00	NH
cis-1,2-Dichloroethene	10	5.0		ug/L	242152	1	05/05/2017 20:00	NH
cis-1,3-Dichloropropene	BRL	5.0		ug/L	242152	1	05/05/2017 20:00	NH
Cyclohexane	BRL	5.0		ug/L	242152	1	05/05/2017 20:00	NH
Dibromochloromethane	BRL	5.0		ug/L	242152	1	05/05/2017 20:00	NH
Dichlorodifluoromethane	BRL	10		ug/L	242152	1	05/05/2017 20:00	NH
Ethylbenzene	BRL	5.0		ug/L	242152	1	05/05/2017 20:00	NH
Freon-113	BRL	10		ug/L	242152	1	05/05/2017 20:00	NH
Isopropylbenzene	BRL	5.0		ug/L	242152	1	05/05/2017 20:00	NH
m,p-Xylene	BRL	5.0		ug/L	242152	1	05/05/2017 20:00	NH
Methyl acetate	BRL	5.0		ug/L	242152	1	05/05/2017 20:00	NH
Methyl tert-butyl ether	BRL	5.0		ug/L	242152	1	05/05/2017 20:00	NH
Methylcyclohexane	BRL	5.0		ug/L	242152	1	05/05/2017 20:00	NH
Methylene chloride	BRL	5.0		ug/L	242152	1	05/05/2017 20:00	NH
o-Xylene	BRL	5.0		ug/L	242152	1	05/05/2017 20:00	NH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-25
Project Name:	MTL	**Collection Date:**	4/25/2017 3:22:00 PM
Lab ID:	1704P57-004	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	242152	1	05/05/2017 20:00	NH
Tetrachloroethene	BRL	5.0		ug/L	242152	1	05/05/2017 20:00	NH
Toluene	BRL	5.0		ug/L	242152	1	05/05/2017 20:00	NH
trans-1,2-Dichloroethene	BRL	5.0		ug/L	242152	1	05/05/2017 20:00	NH
trans-1,3-Dichloropropene	BRL	5.0		ug/L	242152	1	05/05/2017 20:00	NH
Trichloroethene	BRL	5.0		ug/L	242152	1	05/05/2017 20:00	NH
Trichlorofluoromethane	BRL	5.0		ug/L	242152	1	05/05/2017 20:00	NH
Vinyl chloride	BRL	2.0		ug/L	242152	1	05/05/2017 20:00	NH
Surr: 4-Bromofluorobenzene	90.8	66.1-129		%REC	242152	1	05/05/2017 20:00	NH
Surr: Dibromofluoromethane	99.1	83.6-123		%REC	242152	1	05/05/2017 20:00	NH
Surr: Toluene-d8	104	81.8-118		%REC	242152	1	05/05/2017 20:00	NH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-45
Project Name:	MTL	**Collection Date:**	4/26/2017 12:35:00 PM
Lab ID:	1704P57-005	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	242152	1	05/04/2017 19:19	NH
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	242152	1	05/04/2017 19:19	NH
1,1,2-Trichloroethane	BRL	5.0		ug/L	242152	1	05/04/2017 19:19	NH
1,1-Dichloroethane	BRL	5.0		ug/L	242152	1	05/04/2017 19:19	NH
1,1-Dichloroethene	18	5.0		ug/L	242152	1	05/04/2017 19:19	NH
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	242152	1	05/04/2017 19:19	NH
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	242152	1	05/04/2017 19:19	NH
1,2-Dibromoethane	BRL	5.0		ug/L	242152	1	05/04/2017 19:19	NH
1,2-Dichlorobenzene	BRL	5.0		ug/L	242152	1	05/04/2017 19:19	NH
1,2-Dichloroethane	BRL	5.0		ug/L	242152	1	05/04/2017 19:19	NH
1,2-Dichloropropane	BRL	5.0		ug/L	242152	1	05/04/2017 19:19	NH
1,3-Dichlorobenzene	BRL	5.0		ug/L	242152	1	05/04/2017 19:19	NH
1,4-Dichlorobenzene	BRL	5.0		ug/L	242152	1	05/04/2017 19:19	NH
2-Butanone	BRL	50		ug/L	242152	1	05/04/2017 19:19	NH
2-Hexanone	BRL	10		ug/L	242152	1	05/04/2017 19:19	NH
4-Methyl-2-pentanone	BRL	10		ug/L	242152	1	05/04/2017 19:19	NH
Acetone	BRL	50		ug/L	242152	1	05/04/2017 19:19	NH
Benzene	BRL	5.0		ug/L	242152	1	05/04/2017 19:19	NH
Bromodichloromethane	BRL	5.0		ug/L	242152	1	05/04/2017 19:19	NH
Bromoform	BRL	5.0		ug/L	242152	1	05/04/2017 19:19	NH
Bromomethane	BRL	5.0		ug/L	242152	1	05/04/2017 19:19	NH
Carbon disulfide	BRL	5.0		ug/L	242152	1	05/04/2017 19:19	NH
Carbon tetrachloride	BRL	5.0		ug/L	242152	1	05/04/2017 19:19	NH
Chlorobenzene	BRL	5.0		ug/L	242152	1	05/04/2017 19:19	NH
Chloroethane	BRL	10		ug/L	242152	1	05/04/2017 19:19	NH
Chloroform	BRL	5.0		ug/L	242152	1	05/04/2017 19:19	NH
Chloromethane	BRL	10		ug/L	242152	1	05/04/2017 19:19	NH
cis-1,2-Dichloroethene	6000	500		ug/L	242152	100	05/08/2017 13:55	NH
cis-1,3-Dichloropropene	BRL	5.0		ug/L	242152	1	05/04/2017 19:19	NH
Cyclohexane	BRL	5.0		ug/L	242152	1	05/04/2017 19:19	NH
Dibromochloromethane	BRL	5.0		ug/L	242152	1	05/04/2017 19:19	NH
Dichlorodifluoromethane	BRL	10		ug/L	242152	1	05/04/2017 19:19	NH
Ethylbenzene	BRL	5.0		ug/L	242152	1	05/04/2017 19:19	NH
Freon-113	BRL	10		ug/L	242152	1	05/04/2017 19:19	NH
Isopropylbenzene	BRL	5.0		ug/L	242152	1	05/04/2017 19:19	NH
m,p-Xylene	BRL	5.0		ug/L	242152	1	05/04/2017 19:19	NH
Methyl acetate	BRL	5.0		ug/L	242152	1	05/04/2017 19:19	NH
Methyl tert-butyl ether	BRL	5.0		ug/L	242152	1	05/04/2017 19:19	NH
Methylcyclohexane	BRL	5.0		ug/L	242152	1	05/04/2017 19:19	NH
Methylene chloride	BRL	5.0		ug/L	242152	1	05/04/2017 19:19	NH
o-Xylene	BRL	5.0		ug/L	242152	1	05/04/2017 19:19	NH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-45
Project Name:	MTL	**Collection Date:**	4/26/2017 12:35:00 PM
Lab ID:	1704P57-005	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B (SW5030B)								
Styrene	BRL	5.0		ug/L	242152	1	05/04/2017 19:19	NH
Tetrachloroethene	BRL	5.0		ug/L	242152	1	05/04/2017 19:19	NH
Toluene	BRL	5.0		ug/L	242152	1	05/04/2017 19:19	NH
trans-1,2-Dichloroethene	42	5.0		ug/L	242152	1	05/04/2017 19:19	NH
trans-1,3-Dichloropropene	BRL	5.0		ug/L	242152	1	05/04/2017 19:19	NH
Trichloroethene	BRL	5.0		ug/L	242152	1	05/04/2017 19:19	NH
Trichlorofluoromethane	BRL	5.0		ug/L	242152	1	05/04/2017 19:19	NH
Vinyl chloride	160	2.0		ug/L	242152	1	05/04/2017 19:19	NH
Surr: 4-Bromofluorobenzene	92.4	66.1-129		%REC	242152	100	05/08/2017 13:55	NH
Surr: 4-Bromofluorobenzene	94.4	66.1-129		%REC	242152	1	05/04/2017 19:19	NH
Surr: Dibromofluoromethane	101	83.6-123		%REC	242152	1	05/04/2017 19:19	NH
Surr: Dibromofluoromethane	100	83.6-123		%REC	242152	100	05/08/2017 13:55	NH
Surr: Toluene-d8	101	81.8-118		%REC	242152	1	05/04/2017 19:19	NH
Surr: Toluene-d8	105	81.8-118		%REC	242152	100	05/08/2017 13:55	NH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-11D
Project Name:	MTL	**Collection Date:**	4/24/2017 11:33:00 AM
Lab ID:	1704P57-006	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	242152	1	05/05/2017 20:26	NH
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	242152	1	05/05/2017 20:26	NH
1,1,2-Trichloroethane	BRL	5.0		ug/L	242152	1	05/05/2017 20:26	NH
1,1-Dichloroethane	BRL	5.0		ug/L	242152	1	05/05/2017 20:26	NH
1,1-Dichloroethene	BRL	5.0		ug/L	242152	1	05/05/2017 20:26	NH
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	242152	1	05/05/2017 20:26	NH
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	242152	1	05/05/2017 20:26	NH
1,2-Dibromoethane	BRL	5.0		ug/L	242152	1	05/05/2017 20:26	NH
1,2-Dichlorobenzene	BRL	5.0		ug/L	242152	1	05/05/2017 20:26	NH
1,2-Dichloroethane	BRL	5.0		ug/L	242152	1	05/05/2017 20:26	NH
1,2-Dichloropropane	BRL	5.0		ug/L	242152	1	05/05/2017 20:26	NH
1,3-Dichlorobenzene	BRL	5.0		ug/L	242152	1	05/05/2017 20:26	NH
1,4-Dichlorobenzene	BRL	5.0		ug/L	242152	1	05/05/2017 20:26	NH
2-Butanone	BRL	50		ug/L	242152	1	05/05/2017 20:26	NH
2-Hexanone	BRL	10		ug/L	242152	1	05/05/2017 20:26	NH
4-Methyl-2-pentanone	BRL	10		ug/L	242152	1	05/05/2017 20:26	NH
Acetone	BRL	50		ug/L	242152	1	05/05/2017 20:26	NH
Benzene	BRL	5.0		ug/L	242152	1	05/05/2017 20:26	NH
Bromodichloromethane	BRL	5.0		ug/L	242152	1	05/05/2017 20:26	NH
Bromoform	BRL	5.0		ug/L	242152	1	05/05/2017 20:26	NH
Bromomethane	BRL	5.0		ug/L	242152	1	05/05/2017 20:26	NH
Carbon disulfide	BRL	5.0		ug/L	242152	1	05/05/2017 20:26	NH
Carbon tetrachloride	BRL	5.0		ug/L	242152	1	05/05/2017 20:26	NH
Chlorobenzene	BRL	5.0		ug/L	242152	1	05/05/2017 20:26	NH
Chloroethane	BRL	10		ug/L	242152	1	05/05/2017 20:26	NH
Chloroform	BRL	5.0		ug/L	242152	1	05/05/2017 20:26	NH
Chloromethane	BRL	10		ug/L	242152	1	05/05/2017 20:26	NH
cis-1,2-Dichloroethene	BRL	5.0		ug/L	242152	1	05/05/2017 20:26	NH
cis-1,3-Dichloropropene	BRL	5.0		ug/L	242152	1	05/05/2017 20:26	NH
Cyclohexane	BRL	5.0		ug/L	242152	1	05/05/2017 20:26	NH
Dibromochloromethane	BRL	5.0		ug/L	242152	1	05/05/2017 20:26	NH
Dichlorodifluoromethane	BRL	10		ug/L	242152	1	05/05/2017 20:26	NH
Ethylbenzene	BRL	5.0		ug/L	242152	1	05/05/2017 20:26	NH
Freon-113	BRL	10		ug/L	242152	1	05/05/2017 20:26	NH
Isopropylbenzene	BRL	5.0		ug/L	242152	1	05/05/2017 20:26	NH
m,p-Xylene	BRL	5.0		ug/L	242152	1	05/05/2017 20:26	NH
Methyl acetate	BRL	5.0		ug/L	242152	1	05/05/2017 20:26	NH
Methyl tert-butyl ether	BRL	5.0		ug/L	242152	1	05/05/2017 20:26	NH
Methylcyclohexane	BRL	5.0		ug/L	242152	1	05/05/2017 20:26	NH
Methylene chloride	BRL	5.0		ug/L	242152	1	05/05/2017 20:26	NH
o-Xylene	BRL	5.0		ug/L	242152	1	05/05/2017 20:26	NH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-11D
Project Name:	MTL	**Collection Date:**	4/24/2017 11:33:00 AM
Lab ID:	1704P57-006	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	242152	1	05/05/2017 20:26	NH
Tetrachloroethene	BRL	5.0		ug/L	242152	1	05/05/2017 20:26	NH
Toluene	BRL	5.0		ug/L	242152	1	05/05/2017 20:26	NH
trans-1,2-Dichloroethene	BRL	5.0		ug/L	242152	1	05/05/2017 20:26	NH
trans-1,3-Dichloropropene	BRL	5.0		ug/L	242152	1	05/05/2017 20:26	NH
Trichloroethene	BRL	5.0		ug/L	242152	1	05/05/2017 20:26	NH
Trichlorofluoromethane	BRL	5.0		ug/L	242152	1	05/05/2017 20:26	NH
Vinyl chloride	BRL	2.0		ug/L	242152	1	05/05/2017 20:26	NH
Surr: 4-Bromofluorobenzene	90.7	66.1-129		%REC	242152	1	05/05/2017 20:26	NH
Surr: Dibromofluoromethane	101	83.6-123		%REC	242152	1	05/05/2017 20:26	NH
Surr: Toluene-d8	104	81.8-118		%REC	242152	1	05/05/2017 20:26	NH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-14D
Project Name:	MTL	**Collection Date:**	4/27/2017 3:04:00 PM
Lab ID:	1704P57-007	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	242152	1	05/05/2017 22:34	NH
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	242152	1	05/05/2017 22:34	NH
1,1,2-Trichloroethane	BRL	5.0		ug/L	242152	1	05/05/2017 22:34	NH
1,1-Dichloroethane	BRL	5.0		ug/L	242152	1	05/05/2017 22:34	NH
1,1-Dichloroethene	BRL	5.0		ug/L	242152	1	05/05/2017 22:34	NH
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	242152	1	05/05/2017 22:34	NH
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	242152	1	05/05/2017 22:34	NH
1,2-Dibromoethane	BRL	5.0		ug/L	242152	1	05/05/2017 22:34	NH
1,2-Dichlorobenzene	BRL	5.0		ug/L	242152	1	05/05/2017 22:34	NH
1,2-Dichloroethane	BRL	5.0		ug/L	242152	1	05/05/2017 22:34	NH
1,2-Dichloropropane	BRL	5.0		ug/L	242152	1	05/05/2017 22:34	NH
1,3-Dichlorobenzene	BRL	5.0		ug/L	242152	1	05/05/2017 22:34	NH
1,4-Dichlorobenzene	BRL	5.0		ug/L	242152	1	05/05/2017 22:34	NH
2-Butanone	BRL	50		ug/L	242152	1	05/05/2017 22:34	NH
2-Hexanone	BRL	10		ug/L	242152	1	05/05/2017 22:34	NH
4-Methyl-2-pentanone	BRL	10		ug/L	242152	1	05/05/2017 22:34	NH
Acetone	BRL	50		ug/L	242152	1	05/05/2017 22:34	NH
Benzene	BRL	5.0		ug/L	242152	1	05/05/2017 22:34	NH
Bromodichloromethane	BRL	5.0		ug/L	242152	1	05/05/2017 22:34	NH
Bromoform	BRL	5.0		ug/L	242152	1	05/05/2017 22:34	NH
Bromomethane	BRL	5.0		ug/L	242152	1	05/05/2017 22:34	NH
Carbon disulfide	BRL	5.0		ug/L	242152	1	05/05/2017 22:34	NH
Carbon tetrachloride	BRL	5.0		ug/L	242152	1	05/05/2017 22:34	NH
Chlorobenzene	BRL	5.0		ug/L	242152	1	05/05/2017 22:34	NH
Chloroethane	BRL	10		ug/L	242152	1	05/05/2017 22:34	NH
Chloroform	BRL	5.0		ug/L	242152	1	05/05/2017 22:34	NH
Chloromethane	BRL	10		ug/L	242152	1	05/05/2017 22:34	NH
cis-1,2-Dichloroethene	6.7	5.0		ug/L	242152	1	05/05/2017 22:34	NH
cis-1,3-Dichloropropene	BRL	5.0		ug/L	242152	1	05/05/2017 22:34	NH
Cyclohexane	BRL	5.0		ug/L	242152	1	05/05/2017 22:34	NH
Dibromochloromethane	BRL	5.0		ug/L	242152	1	05/05/2017 22:34	NH
Dichlorodifluoromethane	BRL	10		ug/L	242152	1	05/05/2017 22:34	NH
Ethylbenzene	BRL	5.0		ug/L	242152	1	05/05/2017 22:34	NH
Freon-113	BRL	10		ug/L	242152	1	05/05/2017 22:34	NH
Isopropylbenzene	BRL	5.0		ug/L	242152	1	05/05/2017 22:34	NH
m,p-Xylene	BRL	5.0		ug/L	242152	1	05/05/2017 22:34	NH
Methyl acetate	BRL	5.0		ug/L	242152	1	05/05/2017 22:34	NH
Methyl tert-butyl ether	BRL	5.0		ug/L	242152	1	05/05/2017 22:34	NH
Methylcyclohexane	BRL	5.0		ug/L	242152	1	05/05/2017 22:34	NH
Methylene chloride	BRL	5.0		ug/L	242152	1	05/05/2017 22:34	NH
o-Xylene	BRL	5.0		ug/L	242152	1	05/05/2017 22:34	NH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-14D
Project Name:	MTL	**Collection Date:**	4/27/2017 3:04:00 PM
Lab ID:	1704P57-007	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	242152	1	05/05/2017 22:34	NH
Tetrachloroethene	BRL	5.0		ug/L	242152	1	05/05/2017 22:34	NH
Toluene	BRL	5.0		ug/L	242152	1	05/05/2017 22:34	NH
trans-1,2-Dichloroethene	BRL	5.0		ug/L	242152	1	05/05/2017 22:34	NH
trans-1,3-Dichloropropene	BRL	5.0		ug/L	242152	1	05/05/2017 22:34	NH
Trichloroethene	BRL	5.0		ug/L	242152	1	05/05/2017 22:34	NH
Trichlorofluoromethane	BRL	5.0		ug/L	242152	1	05/05/2017 22:34	NH
Vinyl chloride	BRL	2.0		ug/L	242152	1	05/05/2017 22:34	NH
Surr: 4-Bromofluorobenzene	89.7	66.1-129		%REC	242152	1	05/05/2017 22:34	NH
Surr: Dibromofluoromethane	102	83.6-123		%REC	242152	1	05/05/2017 22:34	NH
Surr: Toluene-d8	101	81.8-118		%REC	242152	1	05/05/2017 22:34	NH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-15S
Project Name:	MTL	**Collection Date:**	4/26/2017 11:20:00 AM
Lab ID:	1704P57-008	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	242152	1	05/04/2017 20:37	NH
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	242152	1	05/04/2017 20:37	NH
1,1,2-Trichloroethane	BRL	5.0		ug/L	242152	1	05/04/2017 20:37	NH
1,1-Dichloroethane	BRL	5.0		ug/L	242152	1	05/04/2017 20:37	NH
1,1-Dichloroethene	BRL	5.0		ug/L	242152	1	05/04/2017 20:37	NH
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	242152	1	05/04/2017 20:37	NH
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	242152	1	05/04/2017 20:37	NH
1,2-Dibromoethane	BRL	5.0		ug/L	242152	1	05/04/2017 20:37	NH
1,2-Dichlorobenzene	BRL	5.0		ug/L	242152	1	05/04/2017 20:37	NH
1,2-Dichloroethane	BRL	5.0		ug/L	242152	1	05/04/2017 20:37	NH
1,2-Dichloropropane	BRL	5.0		ug/L	242152	1	05/04/2017 20:37	NH
1,3-Dichlorobenzene	BRL	5.0		ug/L	242152	1	05/04/2017 20:37	NH
1,4-Dichlorobenzene	BRL	5.0		ug/L	242152	1	05/04/2017 20:37	NH
2-Butanone	BRL	50		ug/L	242152	1	05/04/2017 20:37	NH
2-Hexanone	BRL	10		ug/L	242152	1	05/04/2017 20:37	NH
4-Methyl-2-pentanone	BRL	10		ug/L	242152	1	05/04/2017 20:37	NH
Acetone	BRL	50		ug/L	242152	1	05/04/2017 20:37	NH
Benzene	BRL	5.0		ug/L	242152	1	05/04/2017 20:37	NH
Bromodichloromethane	BRL	5.0		ug/L	242152	1	05/04/2017 20:37	NH
Bromoform	BRL	5.0		ug/L	242152	1	05/04/2017 20:37	NH
Bromomethane	BRL	5.0		ug/L	242152	1	05/04/2017 20:37	NH
Carbon disulfide	BRL	5.0		ug/L	242152	1	05/04/2017 20:37	NH
Carbon tetrachloride	BRL	5.0		ug/L	242152	1	05/04/2017 20:37	NH
Chlorobenzene	BRL	5.0		ug/L	242152	1	05/04/2017 20:37	NH
Chloroethane	BRL	10		ug/L	242152	1	05/04/2017 20:37	NH
Chloroform	BRL	5.0		ug/L	242152	1	05/04/2017 20:37	NH
Chloromethane	BRL	10		ug/L	242152	1	05/04/2017 20:37	NH
cis-1,2-Dichloroethene	BRL	5.0		ug/L	242152	1	05/04/2017 20:37	NH
cis-1,3-Dichloropropene	BRL	5.0		ug/L	242152	1	05/04/2017 20:37	NH
Cyclohexane	BRL	5.0		ug/L	242152	1	05/04/2017 20:37	NH
Dibromochloromethane	BRL	5.0		ug/L	242152	1	05/04/2017 20:37	NH
Dichlorodifluoromethane	BRL	10		ug/L	242152	1	05/04/2017 20:37	NH
Ethylbenzene	BRL	5.0		ug/L	242152	1	05/04/2017 20:37	NH
Freon-113	BRL	10		ug/L	242152	1	05/04/2017 20:37	NH
Isopropylbenzene	BRL	5.0		ug/L	242152	1	05/04/2017 20:37	NH
m,p-Xylene	BRL	5.0		ug/L	242152	1	05/04/2017 20:37	NH
Methyl acetate	BRL	5.0		ug/L	242152	1	05/04/2017 20:37	NH
Methyl tert-butyl ether	BRL	5.0		ug/L	242152	1	05/04/2017 20:37	NH
Methylcyclohexane	BRL	5.0		ug/L	242152	1	05/04/2017 20:37	NH
Methylene chloride	BRL	5.0		ug/L	242152	1	05/04/2017 20:37	NH
o-Xylene	BRL	5.0		ug/L	242152	1	05/04/2017 20:37	NH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-15S
Project Name:	MTL	**Collection Date:**	4/26/2017 11:20:00 AM
Lab ID:	1704P57-008	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	242152	1	05/04/2017 20:37	NH
Tetrachloroethene	BRL	5.0		ug/L	242152	1	05/04/2017 20:37	NH
Toluene	BRL	5.0		ug/L	242152	1	05/04/2017 20:37	NH
trans-1,2-Dichloroethene	BRL	5.0		ug/L	242152	1	05/04/2017 20:37	NH
trans-1,3-Dichloropropene	BRL	5.0		ug/L	242152	1	05/04/2017 20:37	NH
Trichloroethene	BRL	5.0		ug/L	242152	1	05/04/2017 20:37	NH
Trichlorofluoromethane	BRL	5.0		ug/L	242152	1	05/04/2017 20:37	NH
Vinyl chloride	BRL	2.0		ug/L	242152	1	05/04/2017 20:37	NH
Surr: 4-Bromofluorobenzene	92.8	66.1-129		%REC	242152	1	05/04/2017 20:37	NH
Surr: Dibromofluoromethane	97.7	83.6-123		%REC	242152	1	05/04/2017 20:37	NH
Surr: Toluene-d8	101	81.8-118		%REC	242152	1	05/04/2017 20:37	NH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-26
Project Name:	MTL	**Collection Date:**	4/26/2017 11:24:00 AM
Lab ID:	1704P57-009	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	242152	1	05/04/2017 21:03	NH
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	242152	1	05/04/2017 21:03	NH
1,1,2-Trichloroethane	BRL	5.0		ug/L	242152	1	05/04/2017 21:03	NH
1,1-Dichloroethane	BRL	5.0		ug/L	242152	1	05/04/2017 21:03	NH
1,1-Dichloroethene	BRL	5.0		ug/L	242152	1	05/04/2017 21:03	NH
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	242152	1	05/04/2017 21:03	NH
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	242152	1	05/04/2017 21:03	NH
1,2-Dibromoethane	BRL	5.0		ug/L	242152	1	05/04/2017 21:03	NH
1,2-Dichlorobenzene	BRL	5.0		ug/L	242152	1	05/04/2017 21:03	NH
1,2-Dichloroethane	BRL	5.0		ug/L	242152	1	05/04/2017 21:03	NH
1,2-Dichloropropane	BRL	5.0		ug/L	242152	1	05/04/2017 21:03	NH
1,3-Dichlorobenzene	BRL	5.0		ug/L	242152	1	05/04/2017 21:03	NH
1,4-Dichlorobenzene	BRL	5.0		ug/L	242152	1	05/04/2017 21:03	NH
2-Butanone	BRL	50		ug/L	242152	1	05/04/2017 21:03	NH
2-Hexanone	BRL	10		ug/L	242152	1	05/04/2017 21:03	NH
4-Methyl-2-pentanone	BRL	10		ug/L	242152	1	05/04/2017 21:03	NH
Acetone	BRL	50		ug/L	242152	1	05/04/2017 21:03	NH
Benzene	BRL	5.0		ug/L	242152	1	05/04/2017 21:03	NH
Bromodichloromethane	BRL	5.0		ug/L	242152	1	05/04/2017 21:03	NH
Bromoform	BRL	5.0		ug/L	242152	1	05/04/2017 21:03	NH
Bromomethane	BRL	5.0		ug/L	242152	1	05/04/2017 21:03	NH
Carbon disulfide	BRL	5.0		ug/L	242152	1	05/04/2017 21:03	NH
Carbon tetrachloride	BRL	5.0		ug/L	242152	1	05/04/2017 21:03	NH
Chlorobenzene	BRL	5.0		ug/L	242152	1	05/04/2017 21:03	NH
Chloroethane	BRL	10		ug/L	242152	1	05/04/2017 21:03	NH
Chloroform	BRL	5.0		ug/L	242152	1	05/04/2017 21:03	NH
Chloromethane	BRL	10		ug/L	242152	1	05/04/2017 21:03	NH
cis-1,2-Dichloroethene	BRL	5.0		ug/L	242152	1	05/04/2017 21:03	NH
cis-1,3-Dichloropropene	BRL	5.0		ug/L	242152	1	05/04/2017 21:03	NH
Cyclohexane	BRL	5.0		ug/L	242152	1	05/04/2017 21:03	NH
Dibromochloromethane	BRL	5.0		ug/L	242152	1	05/04/2017 21:03	NH
Dichlorodifluoromethane	BRL	10		ug/L	242152	1	05/04/2017 21:03	NH
Ethylbenzene	BRL	5.0		ug/L	242152	1	05/04/2017 21:03	NH
Freon-113	BRL	10		ug/L	242152	1	05/04/2017 21:03	NH
Isopropylbenzene	BRL	5.0		ug/L	242152	1	05/04/2017 21:03	NH
m,p-Xylene	BRL	5.0		ug/L	242152	1	05/04/2017 21:03	NH
Methyl acetate	BRL	5.0		ug/L	242152	1	05/04/2017 21:03	NH
Methyl tert-butyl ether	BRL	5.0		ug/L	242152	1	05/04/2017 21:03	NH
Methylcyclohexane	BRL	5.0		ug/L	242152	1	05/04/2017 21:03	NH
Methylene chloride	BRL	5.0		ug/L	242152	1	05/04/2017 21:03	NH
o-Xylene	BRL	5.0		ug/L	242152	1	05/04/2017 21:03	NH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-26
Project Name:	MTL	**Collection Date:**	4/26/2017 11:24:00 AM
Lab ID:	1704P57-009	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	242152	1	05/04/2017 21:03	NH
Tetrachloroethene	BRL	5.0		ug/L	242152	1	05/04/2017 21:03	NH
Toluene	BRL	5.0		ug/L	242152	1	05/04/2017 21:03	NH
trans-1,2-Dichloroethene	BRL	5.0		ug/L	242152	1	05/04/2017 21:03	NH
trans-1,3-Dichloropropene	BRL	5.0		ug/L	242152	1	05/04/2017 21:03	NH
Trichloroethene	BRL	5.0		ug/L	242152	1	05/04/2017 21:03	NH
Trichlorofluoromethane	BRL	5.0		ug/L	242152	1	05/04/2017 21:03	NH
Vinyl chloride	BRL	2.0		ug/L	242152	1	05/04/2017 21:03	NH
Surr: 4-Bromofluorobenzene	94.8	66.1-129		%REC	242152	1	05/04/2017 21:03	NH
Surr: Dibromofluoromethane	101	83.6-123		%REC	242152	1	05/04/2017 21:03	NH
Surr: Toluene-d8	103	81.8-118		%REC	242152	1	05/04/2017 21:03	NH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-29
Project Name:	MTL	**Collection Date:**	4/25/2017 5:12:00 PM
Lab ID:	1704P57-010	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	242152	1	05/04/2017 21:28	NH
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	242152	1	05/04/2017 21:28	NH
1,1,2-Trichloroethane	BRL	5.0		ug/L	242152	1	05/04/2017 21:28	NH
1,1-Dichloroethane	BRL	5.0		ug/L	242152	1	05/04/2017 21:28	NH
1,1-Dichloroethene	BRL	5.0		ug/L	242152	1	05/04/2017 21:28	NH
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	242152	1	05/04/2017 21:28	NH
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	242152	1	05/04/2017 21:28	NH
1,2-Dibromoethane	BRL	5.0		ug/L	242152	1	05/04/2017 21:28	NH
1,2-Dichlorobenzene	BRL	5.0		ug/L	242152	1	05/04/2017 21:28	NH
1,2-Dichloroethane	BRL	5.0		ug/L	242152	1	05/04/2017 21:28	NH
1,2-Dichloropropane	BRL	5.0		ug/L	242152	1	05/04/2017 21:28	NH
1,3-Dichlorobenzene	BRL	5.0		ug/L	242152	1	05/04/2017 21:28	NH
1,4-Dichlorobenzene	BRL	5.0		ug/L	242152	1	05/04/2017 21:28	NH
2-Butanone	BRL	50		ug/L	242152	1	05/04/2017 21:28	NH
2-Hexanone	BRL	10		ug/L	242152	1	05/04/2017 21:28	NH
4-Methyl-2-pentanone	BRL	10		ug/L	242152	1	05/04/2017 21:28	NH
Acetone	BRL	50		ug/L	242152	1	05/04/2017 21:28	NH
Benzene	BRL	5.0		ug/L	242152	1	05/04/2017 21:28	NH
Bromodichloromethane	BRL	5.0		ug/L	242152	1	05/04/2017 21:28	NH
Bromoform	BRL	5.0		ug/L	242152	1	05/04/2017 21:28	NH
Bromomethane	BRL	5.0		ug/L	242152	1	05/04/2017 21:28	NH
Carbon disulfide	BRL	5.0		ug/L	242152	1	05/04/2017 21:28	NH
Carbon tetrachloride	BRL	5.0		ug/L	242152	1	05/04/2017 21:28	NH
Chlorobenzene	BRL	5.0		ug/L	242152	1	05/04/2017 21:28	NH
Chloroethane	BRL	10		ug/L	242152	1	05/04/2017 21:28	NH
Chloroform	BRL	5.0		ug/L	242152	1	05/04/2017 21:28	NH
Chloromethane	BRL	10		ug/L	242152	1	05/04/2017 21:28	NH
cis-1,2-Dichloroethene	BRL	5.0		ug/L	242152	1	05/04/2017 21:28	NH
cis-1,3-Dichloropropene	BRL	5.0		ug/L	242152	1	05/04/2017 21:28	NH
Cyclohexane	BRL	5.0		ug/L	242152	1	05/04/2017 21:28	NH
Dibromochloromethane	BRL	5.0		ug/L	242152	1	05/04/2017 21:28	NH
Dichlorodifluoromethane	BRL	10		ug/L	242152	1	05/04/2017 21:28	NH
Ethylbenzene	BRL	5.0		ug/L	242152	1	05/04/2017 21:28	NH
Freon-113	BRL	10		ug/L	242152	1	05/04/2017 21:28	NH
Isopropylbenzene	BRL	5.0		ug/L	242152	1	05/04/2017 21:28	NH
m,p-Xylene	BRL	5.0		ug/L	242152	1	05/04/2017 21:28	NH
Methyl acetate	BRL	5.0		ug/L	242152	1	05/04/2017 21:28	NH
Methyl tert-butyl ether	BRL	5.0		ug/L	242152	1	05/04/2017 21:28	NH
Methylcyclohexane	BRL	5.0		ug/L	242152	1	05/04/2017 21:28	NH
Methylene chloride	BRL	5.0		ug/L	242152	1	05/04/2017 21:28	NH
o-Xylene	BRL	5.0		ug/L	242152	1	05/04/2017 21:28	NH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-29
Project Name:	MTL	**Collection Date:**	4/25/2017 5:12:00 PM
Lab ID:	1704P57-010	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	242152	1	05/04/2017 21:28	NH
Tetrachloroethene	BRL	5.0		ug/L	242152	1	05/04/2017 21:28	NH
Toluene	BRL	5.0		ug/L	242152	1	05/04/2017 21:28	NH
trans-1,2-Dichloroethene	BRL	5.0		ug/L	242152	1	05/04/2017 21:28	NH
trans-1,3-Dichloropropene	BRL	5.0		ug/L	242152	1	05/04/2017 21:28	NH
Trichloroethene	BRL	5.0		ug/L	242152	1	05/04/2017 21:28	NH
Trichlorofluoromethane	BRL	5.0		ug/L	242152	1	05/04/2017 21:28	NH
Vinyl chloride	BRL	2.0		ug/L	242152	1	05/04/2017 21:28	NH
Surr: 4-Bromofluorobenzene	91.2	66.1-129		%REC	242152	1	05/04/2017 21:28	NH
Surr: Dibromofluoromethane	99.9	83.6-123		%REC	242152	1	05/04/2017 21:28	NH
Surr: Toluene-d8	104	81.8-118		%REC	242152	1	05/04/2017 21:28	NH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-31
Project Name:	MTL	**Collection Date:**	4/27/2017 2:37:00 PM
Lab ID:	1704P57-011	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	242152	1	05/04/2017 21:54	NH
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	242152	1	05/04/2017 21:54	NH
1,1,2-Trichloroethane	BRL	5.0		ug/L	242152	1	05/04/2017 21:54	NH
1,1-Dichloroethane	BRL	5.0		ug/L	242152	1	05/04/2017 21:54	NH
1,1-Dichloroethene	BRL	5.0		ug/L	242152	1	05/04/2017 21:54	NH
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	242152	1	05/04/2017 21:54	NH
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	242152	1	05/04/2017 21:54	NH
1,2-Dibromoethane	BRL	5.0		ug/L	242152	1	05/04/2017 21:54	NH
1,2-Dichlorobenzene	BRL	5.0		ug/L	242152	1	05/04/2017 21:54	NH
1,2-Dichloroethane	BRL	5.0		ug/L	242152	1	05/04/2017 21:54	NH
1,2-Dichloropropane	BRL	5.0		ug/L	242152	1	05/04/2017 21:54	NH
1,3-Dichlorobenzene	BRL	5.0		ug/L	242152	1	05/04/2017 21:54	NH
1,4-Dichlorobenzene	BRL	5.0		ug/L	242152	1	05/04/2017 21:54	NH
2-Butanone	BRL	50		ug/L	242152	1	05/04/2017 21:54	NH
2-Hexanone	BRL	10		ug/L	242152	1	05/04/2017 21:54	NH
4-Methyl-2-pentanone	BRL	10		ug/L	242152	1	05/04/2017 21:54	NH
Acetone	BRL	50		ug/L	242152	1	05/04/2017 21:54	NH
Benzene	BRL	5.0		ug/L	242152	1	05/04/2017 21:54	NH
Bromodichloromethane	BRL	5.0		ug/L	242152	1	05/04/2017 21:54	NH
Bromoform	BRL	5.0		ug/L	242152	1	05/04/2017 21:54	NH
Bromomethane	BRL	5.0		ug/L	242152	1	05/04/2017 21:54	NH
Carbon disulfide	BRL	5.0		ug/L	242152	1	05/04/2017 21:54	NH
Carbon tetrachloride	BRL	5.0		ug/L	242152	1	05/04/2017 21:54	NH
Chlorobenzene	BRL	5.0		ug/L	242152	1	05/04/2017 21:54	NH
Chloroethane	BRL	10		ug/L	242152	1	05/04/2017 21:54	NH
Chloroform	BRL	5.0		ug/L	242152	1	05/04/2017 21:54	NH
Chloromethane	BRL	10		ug/L	242152	1	05/04/2017 21:54	NH
cis-1,2-Dichloroethene	46	5.0		ug/L	242152	1	05/04/2017 21:54	NH
cis-1,3-Dichloropropene	BRL	5.0		ug/L	242152	1	05/04/2017 21:54	NH
Cyclohexane	BRL	5.0		ug/L	242152	1	05/04/2017 21:54	NH
Dibromochloromethane	BRL	5.0		ug/L	242152	1	05/04/2017 21:54	NH
Dichlorodifluoromethane	BRL	10		ug/L	242152	1	05/04/2017 21:54	NH
Ethylbenzene	BRL	5.0		ug/L	242152	1	05/04/2017 21:54	NH
Freon-113	BRL	10		ug/L	242152	1	05/04/2017 21:54	NH
Isopropylbenzene	BRL	5.0		ug/L	242152	1	05/04/2017 21:54	NH
m,p-Xylene	BRL	5.0		ug/L	242152	1	05/04/2017 21:54	NH
Methyl acetate	BRL	5.0		ug/L	242152	1	05/04/2017 21:54	NH
Methyl tert-butyl ether	BRL	5.0		ug/L	242152	1	05/04/2017 21:54	NH
Methylcyclohexane	BRL	5.0		ug/L	242152	1	05/04/2017 21:54	NH
Methylene chloride	BRL	5.0		ug/L	242152	1	05/04/2017 21:54	NH
o-Xylene	BRL	5.0		ug/L	242152	1	05/04/2017 21:54	NH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-31
Project Name:	MTL	**Collection Date:**	4/27/2017 2:37:00 PM
Lab ID:	1704P57-011	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	242152	1	05/04/2017 21:54	NH
Tetrachloroethene	5.5	5.0		ug/L	242152	1	05/04/2017 21:54	NH
Toluene	BRL	5.0		ug/L	242152	1	05/04/2017 21:54	NH
trans-1,2-Dichloroethene	BRL	5.0		ug/L	242152	1	05/04/2017 21:54	NH
trans-1,3-Dichloropropene	BRL	5.0		ug/L	242152	1	05/04/2017 21:54	NH
Trichloroethene	10.0	5.0		ug/L	242152	1	05/04/2017 21:54	NH
Trichlorofluoromethane	BRL	5.0		ug/L	242152	1	05/04/2017 21:54	NH
Vinyl chloride	BRL	2.0		ug/L	242152	1	05/04/2017 21:54	NH
Surr: 4-Bromofluorobenzene	93.2	66.1-129		%REC	242152	1	05/04/2017 21:54	NH
Surr: Dibromofluoromethane	98.2	83.6-123		%REC	242152	1	05/04/2017 21:54	NH
Surr: Toluene-d8	104	81.8-118		%REC	242152	1	05/04/2017 21:54	NH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-32
Project Name:	MTL	**Collection Date:**	4/27/2017 12:07:00 PM
Lab ID:	1704P57-012	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	242152	1	05/04/2017 22:20	NH
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	242152	1	05/04/2017 22:20	NH
1,1,2-Trichloroethane	BRL	5.0		ug/L	242152	1	05/04/2017 22:20	NH
1,1-Dichloroethane	BRL	5.0		ug/L	242152	1	05/04/2017 22:20	NH
1,1-Dichloroethene	BRL	5.0		ug/L	242152	1	05/04/2017 22:20	NH
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	242152	1	05/04/2017 22:20	NH
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	242152	1	05/04/2017 22:20	NH
1,2-Dibromoethane	BRL	5.0		ug/L	242152	1	05/04/2017 22:20	NH
1,2-Dichlorobenzene	BRL	5.0		ug/L	242152	1	05/04/2017 22:20	NH
1,2-Dichloroethane	BRL	5.0		ug/L	242152	1	05/04/2017 22:20	NH
1,2-Dichloropropane	BRL	5.0		ug/L	242152	1	05/04/2017 22:20	NH
1,3-Dichlorobenzene	BRL	5.0		ug/L	242152	1	05/04/2017 22:20	NH
1,4-Dichlorobenzene	BRL	5.0		ug/L	242152	1	05/04/2017 22:20	NH
2-Butanone	BRL	50		ug/L	242152	1	05/04/2017 22:20	NH
2-Hexanone	BRL	10		ug/L	242152	1	05/04/2017 22:20	NH
4-Methyl-2-pentanone	BRL	10		ug/L	242152	1	05/04/2017 22:20	NH
Acetone	BRL	50		ug/L	242152	1	05/04/2017 22:20	NH
Benzene	BRL	5.0		ug/L	242152	1	05/04/2017 22:20	NH
Bromodichloromethane	BRL	5.0		ug/L	242152	1	05/04/2017 22:20	NH
Bromoform	BRL	5.0		ug/L	242152	1	05/04/2017 22:20	NH
Bromomethane	BRL	5.0		ug/L	242152	1	05/04/2017 22:20	NH
Carbon disulfide	BRL	5.0		ug/L	242152	1	05/04/2017 22:20	NH
Carbon tetrachloride	BRL	5.0		ug/L	242152	1	05/04/2017 22:20	NH
Chlorobenzene	BRL	5.0		ug/L	242152	1	05/04/2017 22:20	NH
Chloroethane	BRL	10		ug/L	242152	1	05/04/2017 22:20	NH
Chloroform	BRL	5.0		ug/L	242152	1	05/04/2017 22:20	NH
Chloromethane	BRL	10		ug/L	242152	1	05/04/2017 22:20	NH
cis-1,2-Dichloroethene	78	5.0		ug/L	242152	1	05/04/2017 22:20	NH
cis-1,3-Dichloropropene	BRL	5.0		ug/L	242152	1	05/04/2017 22:20	NH
Cyclohexane	BRL	5.0		ug/L	242152	1	05/04/2017 22:20	NH
Dibromochloromethane	BRL	5.0		ug/L	242152	1	05/04/2017 22:20	NH
Dichlorodifluoromethane	BRL	10		ug/L	242152	1	05/04/2017 22:20	NH
Ethylbenzene	BRL	5.0		ug/L	242152	1	05/04/2017 22:20	NH
Freon-113	BRL	10		ug/L	242152	1	05/04/2017 22:20	NH
Isopropylbenzene	BRL	5.0		ug/L	242152	1	05/04/2017 22:20	NH
m,p-Xylene	BRL	5.0		ug/L	242152	1	05/04/2017 22:20	NH
Methyl acetate	BRL	5.0		ug/L	242152	1	05/04/2017 22:20	NH
Methyl tert-butyl ether	BRL	5.0		ug/L	242152	1	05/04/2017 22:20	NH
Methylcyclohexane	BRL	5.0		ug/L	242152	1	05/04/2017 22:20	NH
Methylene chloride	BRL	5.0		ug/L	242152	1	05/04/2017 22:20	NH
o-Xylene	BRL	5.0		ug/L	242152	1	05/04/2017 22:20	NH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-32
Project Name:	MTL	**Collection Date:**	4/27/2017 12:07:00 PM
Lab ID:	1704P57-012	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	242152	1	05/04/2017 22:20	NH
Tetrachloroethene	22	5.0		ug/L	242152	1	05/04/2017 22:20	NH
Toluene	BRL	5.0		ug/L	242152	1	05/04/2017 22:20	NH
trans-1,2-Dichloroethene	BRL	5.0		ug/L	242152	1	05/04/2017 22:20	NH
trans-1,3-Dichloropropene	BRL	5.0		ug/L	242152	1	05/04/2017 22:20	NH
Trichloroethene	16	5.0		ug/L	242152	1	05/04/2017 22:20	NH
Trichlorofluoromethane	BRL	5.0		ug/L	242152	1	05/04/2017 22:20	NH
Vinyl chloride	BRL	2.0		ug/L	242152	1	05/04/2017 22:20	NH
Surr: 4-Bromofluorobenzene	88.8	66.1-129		%REC	242152	1	05/04/2017 22:20	NH
Surr: Dibromofluoromethane	97.7	83.6-123		%REC	242152	1	05/04/2017 22:20	NH
Surr: Toluene-d8	104	81.8-118		%REC	242152	1	05/04/2017 22:20	NH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-33
Project Name:	MTL	**Collection Date:**	4/26/2017 3:14:00 PM
Lab ID:	1704P57-013	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	242152	1	05/04/2017 22:46	NH
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	242152	1	05/04/2017 22:46	NH
1,1,2-Trichloroethane	BRL	5.0		ug/L	242152	1	05/04/2017 22:46	NH
1,1-Dichloroethane	BRL	5.0		ug/L	242152	1	05/04/2017 22:46	NH
1,1-Dichloroethene	BRL	5.0		ug/L	242152	1	05/04/2017 22:46	NH
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	242152	1	05/04/2017 22:46	NH
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	242152	1	05/04/2017 22:46	NH
1,2-Dibromoethane	BRL	5.0		ug/L	242152	1	05/04/2017 22:46	NH
1,2-Dichlorobenzene	BRL	5.0		ug/L	242152	1	05/04/2017 22:46	NH
1,2-Dichloroethane	BRL	5.0		ug/L	242152	1	05/04/2017 22:46	NH
1,2-Dichloropropane	BRL	5.0		ug/L	242152	1	05/04/2017 22:46	NH
1,3-Dichlorobenzene	BRL	5.0		ug/L	242152	1	05/04/2017 22:46	NH
1,4-Dichlorobenzene	BRL	5.0		ug/L	242152	1	05/04/2017 22:46	NH
2-Butanone	BRL	50		ug/L	242152	1	05/04/2017 22:46	NH
2-Hexanone	BRL	10		ug/L	242152	1	05/04/2017 22:46	NH
4-Methyl-2-pentanone	BRL	10		ug/L	242152	1	05/04/2017 22:46	NH
Acetone	BRL	50		ug/L	242152	1	05/04/2017 22:46	NH
Benzene	BRL	5.0		ug/L	242152	1	05/04/2017 22:46	NH
Bromodichloromethane	BRL	5.0		ug/L	242152	1	05/04/2017 22:46	NH
Bromoform	BRL	5.0		ug/L	242152	1	05/04/2017 22:46	NH
Bromomethane	BRL	5.0		ug/L	242152	1	05/04/2017 22:46	NH
Carbon disulfide	BRL	5.0		ug/L	242152	1	05/04/2017 22:46	NH
Carbon tetrachloride	BRL	5.0		ug/L	242152	1	05/04/2017 22:46	NH
Chlorobenzene	BRL	5.0		ug/L	242152	1	05/04/2017 22:46	NH
Chloroethane	BRL	10		ug/L	242152	1	05/04/2017 22:46	NH
Chloroform	BRL	5.0		ug/L	242152	1	05/04/2017 22:46	NH
Chloromethane	BRL	10		ug/L	242152	1	05/04/2017 22:46	NH
cis-1,2-Dichloroethene	92	5.0		ug/L	242152	1	05/04/2017 22:46	NH
cis-1,3-Dichloropropene	BRL	5.0		ug/L	242152	1	05/04/2017 22:46	NH
Cyclohexane	BRL	5.0		ug/L	242152	1	05/04/2017 22:46	NH
Dibromochloromethane	BRL	5.0		ug/L	242152	1	05/04/2017 22:46	NH
Dichlorodifluoromethane	BRL	10		ug/L	242152	1	05/04/2017 22:46	NH
Ethylbenzene	BRL	5.0		ug/L	242152	1	05/04/2017 22:46	NH
Freon-113	BRL	10		ug/L	242152	1	05/04/2017 22:46	NH
Isopropylbenzene	BRL	5.0		ug/L	242152	1	05/04/2017 22:46	NH
m,p-Xylene	BRL	5.0		ug/L	242152	1	05/04/2017 22:46	NH
Methyl acetate	BRL	5.0		ug/L	242152	1	05/04/2017 22:46	NH
Methyl tert-butyl ether	BRL	5.0		ug/L	242152	1	05/04/2017 22:46	NH
Methylcyclohexane	BRL	5.0		ug/L	242152	1	05/04/2017 22:46	NH
Methylene chloride	BRL	5.0		ug/L	242152	1	05/04/2017 22:46	NH
o-Xylene	BRL	5.0		ug/L	242152	1	05/04/2017 22:46	NH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-33
Project Name:	MTL	**Collection Date:**	4/26/2017 3:14:00 PM
Lab ID:	1704P57-013	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	242152	1	05/04/2017 22:46	NH
Tetrachloroethene	BRL	5.0		ug/L	242152	1	05/04/2017 22:46	NH
Toluene	BRL	5.0		ug/L	242152	1	05/04/2017 22:46	NH
trans-1,2-Dichloroethene	BRL	5.0		ug/L	242152	1	05/04/2017 22:46	NH
trans-1,3-Dichloropropene	BRL	5.0		ug/L	242152	1	05/04/2017 22:46	NH
Trichloroethene	BRL	5.0		ug/L	242152	1	05/04/2017 22:46	NH
Trichlorofluoromethane	BRL	5.0		ug/L	242152	1	05/04/2017 22:46	NH
Vinyl chloride	38	2.0		ug/L	242152	1	05/04/2017 22:46	NH
Surr: 4-Bromofluorobenzene	92	66.1-129		%REC	242152	1	05/04/2017 22:46	NH
Surr: Dibromofluoromethane	101	83.6-123		%REC	242152	1	05/04/2017 22:46	NH
Surr: Toluene-d8	104	81.8-118		%REC	242152	1	05/04/2017 22:46	NH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-35
Project Name:	MTL	**Collection Date:**	4/26/2017 4:22:00 PM
Lab ID:	1704P57-014	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	242152	1	05/04/2017 23:11	NH
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	242152	1	05/04/2017 23:11	NH
1,1,2-Trichloroethane	BRL	5.0		ug/L	242152	1	05/04/2017 23:11	NH
1,1-Dichloroethane	BRL	5.0		ug/L	242152	1	05/04/2017 23:11	NH
1,1-Dichloroethene	BRL	5.0		ug/L	242152	1	05/04/2017 23:11	NH
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	242152	1	05/04/2017 23:11	NH
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	242152	1	05/04/2017 23:11	NH
1,2-Dibromoethane	BRL	5.0		ug/L	242152	1	05/04/2017 23:11	NH
1,2-Dichlorobenzene	BRL	5.0		ug/L	242152	1	05/04/2017 23:11	NH
1,2-Dichloroethane	BRL	5.0		ug/L	242152	1	05/04/2017 23:11	NH
1,2-Dichloropropane	BRL	5.0		ug/L	242152	1	05/04/2017 23:11	NH
1,3-Dichlorobenzene	BRL	5.0		ug/L	242152	1	05/04/2017 23:11	NH
1,4-Dichlorobenzene	BRL	5.0		ug/L	242152	1	05/04/2017 23:11	NH
2-Butanone	BRL	50		ug/L	242152	1	05/04/2017 23:11	NH
2-Hexanone	BRL	10		ug/L	242152	1	05/04/2017 23:11	NH
4-Methyl-2-pentanone	BRL	10		ug/L	242152	1	05/04/2017 23:11	NH
Acetone	BRL	50		ug/L	242152	1	05/04/2017 23:11	NH
Benzene	BRL	5.0		ug/L	242152	1	05/04/2017 23:11	NH
Bromodichloromethane	BRL	5.0		ug/L	242152	1	05/04/2017 23:11	NH
Bromoform	BRL	5.0		ug/L	242152	1	05/04/2017 23:11	NH
Bromomethane	BRL	5.0		ug/L	242152	1	05/04/2017 23:11	NH
Carbon disulfide	BRL	5.0		ug/L	242152	1	05/04/2017 23:11	NH
Carbon tetrachloride	BRL	5.0		ug/L	242152	1	05/04/2017 23:11	NH
Chlorobenzene	BRL	5.0		ug/L	242152	1	05/04/2017 23:11	NH
Chloroethane	BRL	10		ug/L	242152	1	05/04/2017 23:11	NH
Chloroform	BRL	5.0		ug/L	242152	1	05/04/2017 23:11	NH
Chloromethane	BRL	10		ug/L	242152	1	05/04/2017 23:11	NH
cis-1,2-Dichloroethene	BRL	5.0		ug/L	242152	1	05/04/2017 23:11	NH
cis-1,3-Dichloropropene	BRL	5.0		ug/L	242152	1	05/04/2017 23:11	NH
Cyclohexane	BRL	5.0		ug/L	242152	1	05/04/2017 23:11	NH
Dibromochloromethane	BRL	5.0		ug/L	242152	1	05/04/2017 23:11	NH
Dichlorodifluoromethane	BRL	10		ug/L	242152	1	05/04/2017 23:11	NH
Ethylbenzene	BRL	5.0		ug/L	242152	1	05/04/2017 23:11	NH
Freon-113	BRL	10		ug/L	242152	1	05/04/2017 23:11	NH
Isopropylbenzene	BRL	5.0		ug/L	242152	1	05/04/2017 23:11	NH
m,p-Xylene	BRL	5.0		ug/L	242152	1	05/04/2017 23:11	NH
Methyl acetate	BRL	5.0		ug/L	242152	1	05/04/2017 23:11	NH
Methyl tert-butyl ether	BRL	5.0		ug/L	242152	1	05/04/2017 23:11	NH
Methylcyclohexane	BRL	5.0		ug/L	242152	1	05/04/2017 23:11	NH
Methylene chloride	BRL	5.0		ug/L	242152	1	05/04/2017 23:11	NH
o-Xylene	BRL	5.0		ug/L	242152	1	05/04/2017 23:11	NH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-35
Project Name:	MTL	**Collection Date:**	4/26/2017 4:22:00 PM
Lab ID:	1704P57-014	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	242152	1	05/04/2017 23:11	NH
Tetrachloroethene	BRL	5.0		ug/L	242152	1	05/04/2017 23:11	NH
Toluene	BRL	5.0		ug/L	242152	1	05/04/2017 23:11	NH
trans-1,2-Dichloroethene	BRL	5.0		ug/L	242152	1	05/04/2017 23:11	NH
trans-1,3-Dichloropropene	BRL	5.0		ug/L	242152	1	05/04/2017 23:11	NH
Trichloroethene	BRL	5.0		ug/L	242152	1	05/04/2017 23:11	NH
Trichlorofluoromethane	BRL	5.0		ug/L	242152	1	05/04/2017 23:11	NH
Vinyl chloride	BRL	2.0		ug/L	242152	1	05/04/2017 23:11	NH
Surr: 4-Bromofluorobenzene	95.5	66.1-129		%REC	242152	1	05/04/2017 23:11	NH
Surr: Dibromofluoromethane	100	83.6-123		%REC	242152	1	05/04/2017 23:11	NH
Surr: Toluene-d8	104	81.8-118		%REC	242152	1	05/04/2017 23:11	NH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-37S
Project Name:	MTL	**Collection Date:**	4/27/2017 11:12:00 AM
Lab ID:	1704P57-015	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	242152	1	05/04/2017 23:37	NH
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	242152	1	05/04/2017 23:37	NH
1,1,2-Trichloroethane	BRL	5.0		ug/L	242152	1	05/04/2017 23:37	NH
1,1-Dichloroethane	BRL	5.0		ug/L	242152	1	05/04/2017 23:37	NH
1,1-Dichloroethene	BRL	5.0		ug/L	242152	1	05/04/2017 23:37	NH
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	242152	1	05/04/2017 23:37	NH
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	242152	1	05/04/2017 23:37	NH
1,2-Dibromoethane	BRL	5.0		ug/L	242152	1	05/04/2017 23:37	NH
1,2-Dichlorobenzene	BRL	5.0		ug/L	242152	1	05/04/2017 23:37	NH
1,2-Dichloroethane	BRL	5.0		ug/L	242152	1	05/04/2017 23:37	NH
1,2-Dichloropropane	BRL	5.0		ug/L	242152	1	05/04/2017 23:37	NH
1,3-Dichlorobenzene	BRL	5.0		ug/L	242152	1	05/04/2017 23:37	NH
1,4-Dichlorobenzene	BRL	5.0		ug/L	242152	1	05/04/2017 23:37	NH
2-Butanone	BRL	50		ug/L	242152	1	05/04/2017 23:37	NH
2-Hexanone	BRL	10		ug/L	242152	1	05/04/2017 23:37	NH
4-Methyl-2-pentanone	BRL	10		ug/L	242152	1	05/04/2017 23:37	NH
Acetone	BRL	50		ug/L	242152	1	05/04/2017 23:37	NH
Benzene	BRL	5.0		ug/L	242152	1	05/04/2017 23:37	NH
Bromodichloromethane	BRL	5.0		ug/L	242152	1	05/04/2017 23:37	NH
Bromoform	BRL	5.0		ug/L	242152	1	05/04/2017 23:37	NH
Bromomethane	BRL	5.0		ug/L	242152	1	05/04/2017 23:37	NH
Carbon disulfide	BRL	5.0		ug/L	242152	1	05/04/2017 23:37	NH
Carbon tetrachloride	BRL	5.0		ug/L	242152	1	05/04/2017 23:37	NH
Chlorobenzene	BRL	5.0		ug/L	242152	1	05/04/2017 23:37	NH
Chloroethane	BRL	10		ug/L	242152	1	05/04/2017 23:37	NH
Chloroform	BRL	5.0		ug/L	242152	1	05/04/2017 23:37	NH
Chloromethane	BRL	10		ug/L	242152	1	05/04/2017 23:37	NH
cis-1,2-Dichloroethene	12	5.0		ug/L	242152	1	05/04/2017 23:37	NH
cis-1,3-Dichloropropene	BRL	5.0		ug/L	242152	1	05/04/2017 23:37	NH
Cyclohexane	BRL	5.0		ug/L	242152	1	05/04/2017 23:37	NH
Dibromochloromethane	BRL	5.0		ug/L	242152	1	05/04/2017 23:37	NH
Dichlorodifluoromethane	BRL	10		ug/L	242152	1	05/04/2017 23:37	NH
Ethylbenzene	BRL	5.0		ug/L	242152	1	05/04/2017 23:37	NH
Freon-113	BRL	10		ug/L	242152	1	05/04/2017 23:37	NH
Isopropylbenzene	BRL	5.0		ug/L	242152	1	05/04/2017 23:37	NH
m,p-Xylene	BRL	5.0		ug/L	242152	1	05/04/2017 23:37	NH
Methyl acetate	BRL	5.0		ug/L	242152	1	05/04/2017 23:37	NH
Methyl tert-butyl ether	BRL	5.0		ug/L	242152	1	05/04/2017 23:37	NH
Methylcyclohexane	BRL	5.0		ug/L	242152	1	05/04/2017 23:37	NH
Methylene chloride	BRL	5.0		ug/L	242152	1	05/04/2017 23:37	NH
o-Xylene	BRL	5.0		ug/L	242152	1	05/04/2017 23:37	NH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-37S
Project Name:	MTL	**Collection Date:**	4/27/2017 11:12:00 AM
Lab ID:	1704P57-015	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	242152	1	05/04/2017 23:37	NH
Tetrachloroethene	BRL	5.0		ug/L	242152	1	05/04/2017 23:37	NH
Toluene	BRL	5.0		ug/L	242152	1	05/04/2017 23:37	NH
trans-1,2-Dichloroethene	BRL	5.0		ug/L	242152	1	05/04/2017 23:37	NH
trans-1,3-Dichloropropene	BRL	5.0		ug/L	242152	1	05/04/2017 23:37	NH
Trichloroethene	BRL	5.0		ug/L	242152	1	05/04/2017 23:37	NH
Trichlorofluoromethane	BRL	5.0		ug/L	242152	1	05/04/2017 23:37	NH
Vinyl chloride	BRL	2.0		ug/L	242152	1	05/04/2017 23:37	NH
Surr: 4-Bromofluorobenzene	91.6	66.1-129		%REC	242152	1	05/04/2017 23:37	NH
Surr: Dibromofluoromethane	102	83.6-123		%REC	242152	1	05/04/2017 23:37	NH
Surr: Toluene-d8	103	81.8-118		%REC	242152	1	05/04/2017 23:37	NH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-38D
Project Name:	MTL	**Collection Date:**	4/27/2017 10:24:00 AM
Lab ID:	1704P57-016	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	242152	1	05/05/2017 23:52	NH
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	242152	1	05/05/2017 23:52	NH
1,1,2-Trichloroethane	BRL	5.0		ug/L	242152	1	05/05/2017 23:52	NH
1,1-Dichloroethane	BRL	5.0		ug/L	242152	1	05/05/2017 23:52	NH
1,1-Dichloroethene	BRL	5.0		ug/L	242152	1	05/05/2017 23:52	NH
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	242152	1	05/05/2017 23:52	NH
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	242152	1	05/05/2017 23:52	NH
1,2-Dibromoethane	BRL	5.0		ug/L	242152	1	05/05/2017 23:52	NH
1,2-Dichlorobenzene	BRL	5.0		ug/L	242152	1	05/05/2017 23:52	NH
1,2-Dichloroethane	BRL	5.0		ug/L	242152	1	05/05/2017 23:52	NH
1,2-Dichloropropane	BRL	5.0		ug/L	242152	1	05/05/2017 23:52	NH
1,3-Dichlorobenzene	BRL	5.0		ug/L	242152	1	05/05/2017 23:52	NH
1,4-Dichlorobenzene	BRL	5.0		ug/L	242152	1	05/05/2017 23:52	NH
2-Butanone	BRL	50		ug/L	242152	1	05/05/2017 23:52	NH
2-Hexanone	BRL	10		ug/L	242152	1	05/05/2017 23:52	NH
4-Methyl-2-pentanone	BRL	10		ug/L	242152	1	05/05/2017 23:52	NH
Acetone	BRL	50		ug/L	242152	1	05/05/2017 23:52	NH
Benzene	BRL	5.0		ug/L	242152	1	05/05/2017 23:52	NH
Bromodichloromethane	BRL	5.0		ug/L	242152	1	05/05/2017 23:52	NH
Bromoform	BRL	5.0		ug/L	242152	1	05/05/2017 23:52	NH
Bromomethane	BRL	5.0		ug/L	242152	1	05/05/2017 23:52	NH
Carbon disulfide	BRL	5.0		ug/L	242152	1	05/05/2017 23:52	NH
Carbon tetrachloride	BRL	5.0		ug/L	242152	1	05/05/2017 23:52	NH
Chlorobenzene	BRL	5.0		ug/L	242152	1	05/05/2017 23:52	NH
Chloroethane	BRL	10		ug/L	242152	1	05/05/2017 23:52	NH
Chloroform	BRL	5.0		ug/L	242152	1	05/05/2017 23:52	NH
Chloromethane	BRL	10		ug/L	242152	1	05/05/2017 23:52	NH
cis-1,2-Dichloroethene	BRL	5.0		ug/L	242152	1	05/05/2017 23:52	NH
cis-1,3-Dichloropropene	BRL	5.0		ug/L	242152	1	05/05/2017 23:52	NH
Cyclohexane	BRL	5.0		ug/L	242152	1	05/05/2017 23:52	NH
Dibromochloromethane	BRL	5.0		ug/L	242152	1	05/05/2017 23:52	NH
Dichlorodifluoromethane	BRL	10		ug/L	242152	1	05/05/2017 23:52	NH
Ethylbenzene	BRL	5.0		ug/L	242152	1	05/05/2017 23:52	NH
Freon-113	BRL	10		ug/L	242152	1	05/05/2017 23:52	NH
Isopropylbenzene	BRL	5.0		ug/L	242152	1	05/05/2017 23:52	NH
m,p-Xylene	BRL	5.0		ug/L	242152	1	05/05/2017 23:52	NH
Methyl acetate	BRL	5.0		ug/L	242152	1	05/05/2017 23:52	NH
Methyl tert-butyl ether	BRL	5.0		ug/L	242152	1	05/05/2017 23:52	NH
Methylcyclohexane	BRL	5.0		ug/L	242152	1	05/05/2017 23:52	NH
Methylene chloride	BRL	5.0		ug/L	242152	1	05/05/2017 23:52	NH
o-Xylene	BRL	5.0		ug/L	242152	1	05/05/2017 23:52	NH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-38D
Project Name:	MTL	**Collection Date:**	4/27/2017 10:24:00 AM
Lab ID:	1704P57-016	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	242152	1	05/05/2017 23:52	NH
Tetrachloroethene	BRL	5.0		ug/L	242152	1	05/05/2017 23:52	NH
Toluene	BRL	5.0		ug/L	242152	1	05/05/2017 23:52	NH
trans-1,2-Dichloroethene	BRL	5.0		ug/L	242152	1	05/05/2017 23:52	NH
trans-1,3-Dichloropropene	BRL	5.0		ug/L	242152	1	05/05/2017 23:52	NH
Trichloroethene	BRL	5.0		ug/L	242152	1	05/05/2017 23:52	NH
Trichlorofluoromethane	BRL	5.0		ug/L	242152	1	05/05/2017 23:52	NH
Vinyl chloride	BRL	2.0		ug/L	242152	1	05/05/2017 23:52	NH
Surr: 4-Bromofluorobenzene	89.6	66.1-129		%REC	242152	1	05/05/2017 23:52	NH
Surr: Dibromofluoromethane	102	83.6-123		%REC	242152	1	05/05/2017 23:52	NH
Surr: Toluene-d8	103	81.8-118		%REC	242152	1	05/05/2017 23:52	NH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-39D
Project Name:	MTL	**Collection Date:**	4/27/2017 4:08:00 PM
Lab ID:	1704P57-017	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	242152	1	05/06/2017 00:18	NH
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	242152	1	05/06/2017 00:18	NH
1,1,2-Trichloroethane	BRL	5.0		ug/L	242152	1	05/06/2017 00:18	NH
1,1-Dichloroethane	BRL	5.0		ug/L	242152	1	05/06/2017 00:18	NH
1,1-Dichloroethene	BRL	5.0		ug/L	242152	1	05/06/2017 00:18	NH
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	242152	1	05/06/2017 00:18	NH
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	242152	1	05/06/2017 00:18	NH
1,2-Dibromoethane	BRL	5.0		ug/L	242152	1	05/06/2017 00:18	NH
1,2-Dichlorobenzene	BRL	5.0		ug/L	242152	1	05/06/2017 00:18	NH
1,2-Dichloroethane	BRL	5.0		ug/L	242152	1	05/06/2017 00:18	NH
1,2-Dichloropropane	BRL	5.0		ug/L	242152	1	05/06/2017 00:18	NH
1,3-Dichlorobenzene	BRL	5.0		ug/L	242152	1	05/06/2017 00:18	NH
1,4-Dichlorobenzene	BRL	5.0		ug/L	242152	1	05/06/2017 00:18	NH
2-Butanone	BRL	50		ug/L	242152	1	05/06/2017 00:18	NH
2-Hexanone	BRL	10		ug/L	242152	1	05/06/2017 00:18	NH
4-Methyl-2-pentanone	BRL	10		ug/L	242152	1	05/06/2017 00:18	NH
Acetone	BRL	50		ug/L	242152	1	05/06/2017 00:18	NH
Benzene	BRL	5.0		ug/L	242152	1	05/06/2017 00:18	NH
Bromodichloromethane	BRL	5.0		ug/L	242152	1	05/06/2017 00:18	NH
Bromoform	BRL	5.0		ug/L	242152	1	05/06/2017 00:18	NH
Bromomethane	BRL	5.0		ug/L	242152	1	05/06/2017 00:18	NH
Carbon disulfide	BRL	5.0		ug/L	242152	1	05/06/2017 00:18	NH
Carbon tetrachloride	BRL	5.0		ug/L	242152	1	05/06/2017 00:18	NH
Chlorobenzene	BRL	5.0		ug/L	242152	1	05/06/2017 00:18	NH
Chloroethane	BRL	10		ug/L	242152	1	05/06/2017 00:18	NH
Chloroform	BRL	5.0		ug/L	242152	1	05/06/2017 00:18	NH
Chloromethane	BRL	10		ug/L	242152	1	05/06/2017 00:18	NH
cis-1,2-Dichloroethene	9.0	5.0		ug/L	242152	1	05/06/2017 00:18	NH
cis-1,3-Dichloropropene	BRL	5.0		ug/L	242152	1	05/06/2017 00:18	NH
Cyclohexane	BRL	5.0		ug/L	242152	1	05/06/2017 00:18	NH
Dibromochloromethane	BRL	5.0		ug/L	242152	1	05/06/2017 00:18	NH
Dichlorodifluoromethane	BRL	10		ug/L	242152	1	05/06/2017 00:18	NH
Ethylbenzene	BRL	5.0		ug/L	242152	1	05/06/2017 00:18	NH
Freon-113	BRL	10		ug/L	242152	1	05/06/2017 00:18	NH
Isopropylbenzene	BRL	5.0		ug/L	242152	1	05/06/2017 00:18	NH
m,p-Xylene	BRL	5.0		ug/L	242152	1	05/06/2017 00:18	NH
Methyl acetate	BRL	5.0		ug/L	242152	1	05/06/2017 00:18	NH
Methyl tert-butyl ether	BRL	5.0		ug/L	242152	1	05/06/2017 00:18	NH
Methylcyclohexane	BRL	5.0		ug/L	242152	1	05/06/2017 00:18	NH
Methylene chloride	BRL	5.0		ug/L	242152	1	05/06/2017 00:18	NH
o-Xylene	BRL	5.0		ug/L	242152	1	05/06/2017 00:18	NH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-39D
Project Name:	MTL	**Collection Date:**	4/27/2017 4:08:00 PM
Lab ID:	1704P57-017	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	242152	1	05/06/2017 00:18	NH
Tetrachloroethene	BRL	5.0		ug/L	242152	1	05/06/2017 00:18	NH
Toluene	BRL	5.0		ug/L	242152	1	05/06/2017 00:18	NH
trans-1,2-Dichloroethene	BRL	5.0		ug/L	242152	1	05/06/2017 00:18	NH
trans-1,3-Dichloropropene	BRL	5.0		ug/L	242152	1	05/06/2017 00:18	NH
Trichloroethene	BRL	5.0		ug/L	242152	1	05/06/2017 00:18	NH
Trichlorofluoromethane	BRL	5.0		ug/L	242152	1	05/06/2017 00:18	NH
Vinyl chloride	BRL	2.0		ug/L	242152	1	05/06/2017 00:18	NH
Surr: 4-Bromofluorobenzene	89.7	66.1-129		%REC	242152	1	05/06/2017 00:18	NH
Surr: Dibromofluoromethane	103	83.6-123		%REC	242152	1	05/06/2017 00:18	NH
Surr: Toluene-d8	106	81.8-118		%REC	242152	1	05/06/2017 00:18	NH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-40S
Project Name:	MTL	**Collection Date:**	4/27/2017 4:43:00 PM
Lab ID:	1704P57-018	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	242152	1	05/06/2017 00:43	NH
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	242152	1	05/06/2017 00:43	NH
1,1,2-Trichloroethane	BRL	5.0		ug/L	242152	1	05/06/2017 00:43	NH
1,1-Dichloroethane	BRL	5.0		ug/L	242152	1	05/06/2017 00:43	NH
1,1-Dichloroethene	BRL	5.0		ug/L	242152	1	05/06/2017 00:43	NH
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	242152	1	05/06/2017 00:43	NH
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	242152	1	05/06/2017 00:43	NH
1,2-Dibromoethane	BRL	5.0		ug/L	242152	1	05/06/2017 00:43	NH
1,2-Dichlorobenzene	BRL	5.0		ug/L	242152	1	05/06/2017 00:43	NH
1,2-Dichloroethane	BRL	5.0		ug/L	242152	1	05/06/2017 00:43	NH
1,2-Dichloropropane	BRL	5.0		ug/L	242152	1	05/06/2017 00:43	NH
1,3-Dichlorobenzene	BRL	5.0		ug/L	242152	1	05/06/2017 00:43	NH
1,4-Dichlorobenzene	BRL	5.0		ug/L	242152	1	05/06/2017 00:43	NH
2-Butanone	BRL	50		ug/L	242152	1	05/06/2017 00:43	NH
2-Hexanone	BRL	10		ug/L	242152	1	05/06/2017 00:43	NH
4-Methyl-2-pentanone	BRL	10		ug/L	242152	1	05/06/2017 00:43	NH
Acetone	BRL	50		ug/L	242152	1	05/06/2017 00:43	NH
Benzene	BRL	5.0		ug/L	242152	1	05/06/2017 00:43	NH
Bromodichloromethane	BRL	5.0		ug/L	242152	1	05/06/2017 00:43	NH
Bromoform	BRL	5.0		ug/L	242152	1	05/06/2017 00:43	NH
Bromomethane	BRL	5.0		ug/L	242152	1	05/06/2017 00:43	NH
Carbon disulfide	BRL	5.0		ug/L	242152	1	05/06/2017 00:43	NH
Carbon tetrachloride	BRL	5.0		ug/L	242152	1	05/06/2017 00:43	NH
Chlorobenzene	BRL	5.0		ug/L	242152	1	05/06/2017 00:43	NH
Chloroethane	BRL	10		ug/L	242152	1	05/06/2017 00:43	NH
Chloroform	BRL	5.0		ug/L	242152	1	05/06/2017 00:43	NH
Chloromethane	BRL	10		ug/L	242152	1	05/06/2017 00:43	NH
cis-1,2-Dichloroethene	1000	50		ug/L	242152	10	05/08/2017 14:21	NH
cis-1,3-Dichloropropene	BRL	5.0		ug/L	242152	1	05/06/2017 00:43	NH
Cyclohexane	BRL	5.0		ug/L	242152	1	05/06/2017 00:43	NH
Dibromochloromethane	BRL	5.0		ug/L	242152	1	05/06/2017 00:43	NH
Dichlorodifluoromethane	BRL	10		ug/L	242152	1	05/06/2017 00:43	NH
Ethylbenzene	BRL	5.0		ug/L	242152	1	05/06/2017 00:43	NH
Freon-113	BRL	10		ug/L	242152	1	05/06/2017 00:43	NH
Isopropylbenzene	BRL	5.0		ug/L	242152	1	05/06/2017 00:43	NH
m,p-Xylene	BRL	5.0		ug/L	242152	1	05/06/2017 00:43	NH
Methyl acetate	BRL	5.0		ug/L	242152	1	05/06/2017 00:43	NH
Methyl tert-butyl ether	BRL	5.0		ug/L	242152	1	05/06/2017 00:43	NH
Methylcyclohexane	BRL	5.0		ug/L	242152	1	05/06/2017 00:43	NH
Methylene chloride	BRL	5.0		ug/L	242152	1	05/06/2017 00:43	NH
o-Xylene	BRL	5.0		ug/L	242152	1	05/06/2017 00:43	NH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-40S
Project Name:	MTL	**Collection Date:**	4/27/2017 4:43:00 PM
Lab ID:	1704P57-018	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	242152	1	05/06/2017 00:43	NH
Tetrachloroethene	BRL	5.0		ug/L	242152	1	05/06/2017 00:43	NH
Toluene	BRL	5.0		ug/L	242152	1	05/06/2017 00:43	NH
trans-1,2-Dichloroethene	BRL	5.0		ug/L	242152	1	05/06/2017 00:43	NH
trans-1,3-Dichloropropene	BRL	5.0		ug/L	242152	1	05/06/2017 00:43	NH
Trichloroethene	BRL	5.0		ug/L	242152	1	05/06/2017 00:43	NH
Trichlorofluoromethane	BRL	5.0		ug/L	242152	1	05/06/2017 00:43	NH
Vinyl chloride	4.1	2.0		ug/L	242152	1	05/06/2017 00:43	NH
Surr: 4-Bromofluorobenzene	87.9	66.1-129		%REC	242152	1	05/06/2017 00:43	NH
Surr: 4-Bromofluorobenzene	92.3	66.1-129		%REC	242152	10	05/08/2017 14:21	NH
Surr: Dibromofluoromethane	101	83.6-123		%REC	242152	1	05/06/2017 00:43	NH
Surr: Dibromofluoromethane	103	83.6-123		%REC	242152	10	05/08/2017 14:21	NH
Surr: Toluene-d8	103	81.8-118		%REC	242152	1	05/06/2017 00:43	NH
Surr: Toluene-d8	105	81.8-118		%REC	242152	10	05/08/2017 14:21	NH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-41D
Project Name:	MTL	**Collection Date:**	4/25/2017 4:35:00 PM
Lab ID:	1704P57-019	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	242152	1	05/06/2017 01:09	NH
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	242152	1	05/06/2017 01:09	NH
1,1,2-Trichloroethane	BRL	5.0		ug/L	242152	1	05/06/2017 01:09	NH
1,1-Dichloroethane	BRL	5.0		ug/L	242152	1	05/06/2017 01:09	NH
1,1-Dichloroethene	BRL	5.0		ug/L	242152	1	05/06/2017 01:09	NH
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	242152	1	05/06/2017 01:09	NH
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	242152	1	05/06/2017 01:09	NH
1,2-Dibromoethane	BRL	5.0		ug/L	242152	1	05/06/2017 01:09	NH
1,2-Dichlorobenzene	BRL	5.0		ug/L	242152	1	05/06/2017 01:09	NH
1,2-Dichloroethane	BRL	5.0		ug/L	242152	1	05/06/2017 01:09	NH
1,2-Dichloropropane	BRL	5.0		ug/L	242152	1	05/06/2017 01:09	NH
1,3-Dichlorobenzene	BRL	5.0		ug/L	242152	1	05/06/2017 01:09	NH
1,4-Dichlorobenzene	BRL	5.0		ug/L	242152	1	05/06/2017 01:09	NH
2-Butanone	BRL	50		ug/L	242152	1	05/06/2017 01:09	NH
2-Hexanone	BRL	10		ug/L	242152	1	05/06/2017 01:09	NH
4-Methyl-2-pentanone	BRL	10		ug/L	242152	1	05/06/2017 01:09	NH
Acetone	BRL	50		ug/L	242152	1	05/06/2017 01:09	NH
Benzene	BRL	5.0		ug/L	242152	1	05/06/2017 01:09	NH
Bromodichloromethane	BRL	5.0		ug/L	242152	1	05/06/2017 01:09	NH
Bromoform	BRL	5.0		ug/L	242152	1	05/06/2017 01:09	NH
Bromomethane	BRL	5.0		ug/L	242152	1	05/06/2017 01:09	NH
Carbon disulfide	BRL	5.0		ug/L	242152	1	05/06/2017 01:09	NH
Carbon tetrachloride	BRL	5.0		ug/L	242152	1	05/06/2017 01:09	NH
Chlorobenzene	BRL	5.0		ug/L	242152	1	05/06/2017 01:09	NH
Chloroethane	BRL	10		ug/L	242152	1	05/06/2017 01:09	NH
Chloroform	BRL	5.0		ug/L	242152	1	05/06/2017 01:09	NH
Chloromethane	BRL	10		ug/L	242152	1	05/06/2017 01:09	NH
cis-1,2-Dichloroethene	BRL	5.0		ug/L	242152	1	05/06/2017 01:09	NH
cis-1,3-Dichloropropene	BRL	5.0		ug/L	242152	1	05/06/2017 01:09	NH
Cyclohexane	BRL	5.0		ug/L	242152	1	05/06/2017 01:09	NH
Dibromochloromethane	BRL	5.0		ug/L	242152	1	05/06/2017 01:09	NH
Dichlorodifluoromethane	BRL	10		ug/L	242152	1	05/06/2017 01:09	NH
Ethylbenzene	BRL	5.0		ug/L	242152	1	05/06/2017 01:09	NH
Freon-113	BRL	10		ug/L	242152	1	05/06/2017 01:09	NH
Isopropylbenzene	BRL	5.0		ug/L	242152	1	05/06/2017 01:09	NH
m,p-Xylene	BRL	5.0		ug/L	242152	1	05/06/2017 01:09	NH
Methyl acetate	BRL	5.0		ug/L	242152	1	05/06/2017 01:09	NH
Methyl tert-butyl ether	BRL	5.0		ug/L	242152	1	05/06/2017 01:09	NH
Methylcyclohexane	BRL	5.0		ug/L	242152	1	05/06/2017 01:09	NH
Methylene chloride	BRL	5.0		ug/L	242152	1	05/06/2017 01:09	NH
o-Xylene	BRL	5.0		ug/L	242152	1	05/06/2017 01:09	NH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-41D
Project Name:	MTL	**Collection Date:**	4/25/2017 4:35:00 PM
Lab ID:	1704P57-019	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	242152	1	05/06/2017 01:09	NH
Tetrachloroethene	BRL	5.0		ug/L	242152	1	05/06/2017 01:09	NH
Toluene	BRL	5.0		ug/L	242152	1	05/06/2017 01:09	NH
trans-1,2-Dichloroethene	BRL	5.0		ug/L	242152	1	05/06/2017 01:09	NH
trans-1,3-Dichloropropene	BRL	5.0		ug/L	242152	1	05/06/2017 01:09	NH
Trichloroethene	BRL	5.0		ug/L	242152	1	05/06/2017 01:09	NH
Trichlorofluoromethane	BRL	5.0		ug/L	242152	1	05/06/2017 01:09	NH
Vinyl chloride	BRL	2.0		ug/L	242152	1	05/06/2017 01:09	NH
Surr: 4-Bromofluorobenzene	90.6	66.1-129		%REC	242152	1	05/06/2017 01:09	NH
Surr: Dibromofluoromethane	97.8	83.6-123		%REC	242152	1	05/06/2017 01:09	NH
Surr: Toluene-d8	102	81.8-118		%REC	242152	1	05/06/2017 01:09	NH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-425
Project Name:	MTL	**Collection Date:**	4/25/2017 3:19:00 PM
Lab ID:	1704P57-020	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	242152	1	05/06/2017 01:35	NH
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	242152	1	05/06/2017 01:35	NH
1,1,2-Trichloroethane	BRL	5.0		ug/L	242152	1	05/06/2017 01:35	NH
1,1-Dichloroethane	BRL	5.0		ug/L	242152	1	05/06/2017 01:35	NH
1,1-Dichloroethene	BRL	5.0		ug/L	242152	1	05/06/2017 01:35	NH
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	242152	1	05/06/2017 01:35	NH
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	242152	1	05/06/2017 01:35	NH
1,2-Dibromoethane	BRL	5.0		ug/L	242152	1	05/06/2017 01:35	NH
1,2-Dichlorobenzene	BRL	5.0		ug/L	242152	1	05/06/2017 01:35	NH
1,2-Dichloroethane	BRL	5.0		ug/L	242152	1	05/06/2017 01:35	NH
1,2-Dichloropropane	BRL	5.0		ug/L	242152	1	05/06/2017 01:35	NH
1,3-Dichlorobenzene	BRL	5.0		ug/L	242152	1	05/06/2017 01:35	NH
1,4-Dichlorobenzene	BRL	5.0		ug/L	242152	1	05/06/2017 01:35	NH
2-Butanone	BRL	50		ug/L	242152	1	05/06/2017 01:35	NH
2-Hexanone	BRL	10		ug/L	242152	1	05/06/2017 01:35	NH
4-Methyl-2-pentanone	BRL	10		ug/L	242152	1	05/06/2017 01:35	NH
Acetone	BRL	50		ug/L	242152	1	05/06/2017 01:35	NH
Benzene	BRL	5.0		ug/L	242152	1	05/06/2017 01:35	NH
Bromodichloromethane	BRL	5.0		ug/L	242152	1	05/06/2017 01:35	NH
Bromoform	BRL	5.0		ug/L	242152	1	05/06/2017 01:35	NH
Bromomethane	BRL	5.0		ug/L	242152	1	05/06/2017 01:35	NH
Carbon disulfide	BRL	5.0		ug/L	242152	1	05/06/2017 01:35	NH
Carbon tetrachloride	BRL	5.0		ug/L	242152	1	05/06/2017 01:35	NH
Chlorobenzene	BRL	5.0		ug/L	242152	1	05/06/2017 01:35	NH
Chloroethane	BRL	10		ug/L	242152	1	05/06/2017 01:35	NH
Chloroform	BRL	5.0		ug/L	242152	1	05/06/2017 01:35	NH
Chloromethane	BRL	10		ug/L	242152	1	05/06/2017 01:35	NH
cis-1,2-Dichloroethene	BRL	5.0		ug/L	242152	1	05/06/2017 01:35	NH
cis-1,3-Dichloropropene	BRL	5.0		ug/L	242152	1	05/06/2017 01:35	NH
Cyclohexane	BRL	5.0		ug/L	242152	1	05/06/2017 01:35	NH
Dibromochloromethane	BRL	5.0		ug/L	242152	1	05/06/2017 01:35	NH
Dichlorodifluoromethane	BRL	10		ug/L	242152	1	05/06/2017 01:35	NH
Ethylbenzene	BRL	5.0		ug/L	242152	1	05/06/2017 01:35	NH
Freon-113	BRL	10		ug/L	242152	1	05/06/2017 01:35	NH
Isopropylbenzene	BRL	5.0		ug/L	242152	1	05/06/2017 01:35	NH
m,p-Xylene	BRL	5.0		ug/L	242152	1	05/06/2017 01:35	NH
Methyl acetate	BRL	5.0		ug/L	242152	1	05/06/2017 01:35	NH
Methyl tert-butyl ether	BRL	5.0		ug/L	242152	1	05/06/2017 01:35	NH
Methylcyclohexane	BRL	5.0		ug/L	242152	1	05/06/2017 01:35	NH
Methylene chloride	BRL	5.0		ug/L	242152	1	05/06/2017 01:35	NH
o-Xylene	BRL	5.0		ug/L	242152	1	05/06/2017 01:35	NH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-425
Project Name:	MTL	**Collection Date:**	4/25/2017 3:19:00 PM
Lab ID:	1704P57-020	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	242152	1	05/06/2017 01:35	NH
Tetrachloroethene	BRL	5.0		ug/L	242152	1	05/06/2017 01:35	NH
Toluene	BRL	5.0		ug/L	242152	1	05/06/2017 01:35	NH
trans-1,2-Dichloroethene	BRL	5.0		ug/L	242152	1	05/06/2017 01:35	NH
trans-1,3-Dichloropropene	BRL	5.0		ug/L	242152	1	05/06/2017 01:35	NH
Trichloroethene	BRL	5.0		ug/L	242152	1	05/06/2017 01:35	NH
Trichlorofluoromethane	BRL	5.0		ug/L	242152	1	05/06/2017 01:35	NH
Vinyl chloride	BRL	2.0		ug/L	242152	1	05/06/2017 01:35	NH
Surr: 4-Bromofluorobenzene	90	66.1-129		%REC	242152	1	05/06/2017 01:35	NH
Surr: Dibromofluoromethane	99.7	83.6-123		%REC	242152	1	05/06/2017 01:35	NH
Surr: Toluene-d8	105	81.8-118		%REC	242152	1	05/06/2017 01:35	NH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-43D
Project Name:	MTL	**Collection Date:**	4/25/2017 2:45:00 PM
Lab ID:	1704P57-021	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	242082	1	05/04/2017 15:59	LJ
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	242082	1	05/04/2017 15:59	LJ
1,1,2-Trichloroethane	BRL	5.0		ug/L	242082	1	05/04/2017 15:59	LJ
1,1-Dichloroethane	BRL	5.0		ug/L	242082	1	05/04/2017 15:59	LJ
1,1-Dichloroethene	BRL	5.0		ug/L	242082	1	05/04/2017 15:59	LJ
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	242082	1	05/04/2017 15:59	LJ
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	242082	1	05/04/2017 15:59	LJ
1,2-Dibromoethane	BRL	5.0		ug/L	242082	1	05/04/2017 15:59	LJ
1,2-Dichlorobenzene	BRL	5.0		ug/L	242082	1	05/04/2017 15:59	LJ
1,2-Dichloroethane	BRL	5.0		ug/L	242082	1	05/04/2017 15:59	LJ
1,2-Dichloropropane	BRL	5.0		ug/L	242082	1	05/04/2017 15:59	LJ
1,3-Dichlorobenzene	BRL	5.0		ug/L	242082	1	05/04/2017 15:59	LJ
1,4-Dichlorobenzene	BRL	5.0		ug/L	242082	1	05/04/2017 15:59	LJ
2-Butanone	BRL	50		ug/L	242082	1	05/04/2017 15:59	LJ
2-Hexanone	BRL	10		ug/L	242082	1	05/04/2017 15:59	LJ
4-Methyl-2-pentanone	BRL	10		ug/L	242082	1	05/04/2017 15:59	LJ
Acetone	BRL	50		ug/L	242082	1	05/04/2017 15:59	LJ
Benzene	BRL	5.0		ug/L	242082	1	05/04/2017 15:59	LJ
Bromodichloromethane	BRL	5.0		ug/L	242082	1	05/04/2017 15:59	LJ
Bromoform	BRL	5.0		ug/L	242082	1	05/04/2017 15:59	LJ
Bromomethane	BRL	5.0		ug/L	242082	1	05/04/2017 15:59	LJ
Carbon disulfide	BRL	5.0		ug/L	242082	1	05/04/2017 15:59	LJ
Carbon tetrachloride	BRL	5.0		ug/L	242082	1	05/04/2017 15:59	LJ
Chlorobenzene	BRL	5.0		ug/L	242082	1	05/04/2017 15:59	LJ
Chloroethane	BRL	10		ug/L	242082	1	05/04/2017 15:59	LJ
Chloroform	BRL	5.0		ug/L	242082	1	05/04/2017 15:59	LJ
Chloromethane	BRL	10		ug/L	242082	1	05/04/2017 15:59	LJ
cis-1,2-Dichloroethene	BRL	5.0		ug/L	242082	1	05/04/2017 15:59	LJ
cis-1,3-Dichloropropene	BRL	5.0		ug/L	242082	1	05/04/2017 15:59	LJ
Cyclohexane	BRL	5.0		ug/L	242082	1	05/04/2017 15:59	LJ
Dibromochloromethane	BRL	5.0		ug/L	242082	1	05/04/2017 15:59	LJ
Dichlorodifluoromethane	BRL	10		ug/L	242082	1	05/04/2017 15:59	LJ
Ethylbenzene	BRL	5.0		ug/L	242082	1	05/04/2017 15:59	LJ
Freon-113	BRL	10		ug/L	242082	1	05/04/2017 15:59	LJ
Isopropylbenzene	BRL	5.0		ug/L	242082	1	05/04/2017 15:59	LJ
m,p-Xylene	BRL	5.0		ug/L	242082	1	05/04/2017 15:59	LJ
Methyl acetate	BRL	5.0		ug/L	242082	1	05/04/2017 15:59	LJ
Methyl tert-butyl ether	BRL	5.0		ug/L	242082	1	05/04/2017 15:59	LJ
Methylcyclohexane	BRL	5.0		ug/L	242082	1	05/04/2017 15:59	LJ
Methylene chloride	BRL	5.0		ug/L	242082	1	05/04/2017 15:59	LJ
o-Xylene	BRL	5.0		ug/L	242082	1	05/04/2017 15:59	LJ

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-43D
Project Name:	MTL	**Collection Date:**	4/25/2017 2:45:00 PM
Lab ID:	1704P57-021	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	242082	1	05/04/2017 15:59	LJ
Tetrachloroethene	BRL	5.0		ug/L	242082	1	05/04/2017 15:59	LJ
Toluene	BRL	5.0		ug/L	242082	1	05/04/2017 15:59	LJ
trans-1,2-Dichloroethene	BRL	5.0		ug/L	242082	1	05/04/2017 15:59	LJ
trans-1,3-Dichloropropene	BRL	5.0		ug/L	242082	1	05/04/2017 15:59	LJ
Trichloroethene	BRL	5.0		ug/L	242082	1	05/04/2017 15:59	LJ
Trichlorofluoromethane	BRL	5.0		ug/L	242082	1	05/04/2017 15:59	LJ
Vinyl chloride	BRL	2.0		ug/L	242082	1	05/04/2017 15:59	LJ
Surr: 4-Bromofluorobenzene	72.3	66.1-129		%REC	242082	1	05/04/2017 15:59	LJ
Surr: Dibromofluoromethane	116	83.6-123		%REC	242082	1	05/04/2017 15:59	LJ
Surr: Toluene-d8	94.8	81.8-118		%REC	242082	1	05/04/2017 15:59	LJ

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-44D
Project Name:	MTL	**Collection Date:**	4/25/2017 10:56:00 AM
Lab ID:	1704P57-022	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	242082	1	05/08/2017 19:23	NP
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	242082	1	05/08/2017 19:23	NP
1,1,2-Trichloroethane	BRL	5.0		ug/L	242082	1	05/08/2017 19:23	NP
1,1-Dichloroethane	BRL	5.0		ug/L	242082	1	05/08/2017 19:23	NP
1,1-Dichloroethene	BRL	5.0		ug/L	242082	1	05/08/2017 19:23	NP
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	242082	1	05/08/2017 19:23	NP
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	242082	1	05/08/2017 19:23	NP
1,2-Dibromoethane	BRL	5.0		ug/L	242082	1	05/08/2017 19:23	NP
1,2-Dichlorobenzene	BRL	5.0		ug/L	242082	1	05/08/2017 19:23	NP
1,2-Dichloroethane	BRL	5.0		ug/L	242082	1	05/08/2017 19:23	NP
1,2-Dichloropropane	BRL	5.0		ug/L	242082	1	05/08/2017 19:23	NP
1,3-Dichlorobenzene	BRL	5.0		ug/L	242082	1	05/08/2017 19:23	NP
1,4-Dichlorobenzene	BRL	5.0		ug/L	242082	1	05/08/2017 19:23	NP
2-Butanone	BRL	50		ug/L	242082	1	05/08/2017 19:23	NP
2-Hexanone	BRL	10		ug/L	242082	1	05/08/2017 19:23	NP
4-Methyl-2-pentanone	BRL	10		ug/L	242082	1	05/08/2017 19:23	NP
Acetone	BRL	50		ug/L	242082	1	05/08/2017 19:23	NP
Benzene	BRL	5.0		ug/L	242082	1	05/08/2017 19:23	NP
Bromodichloromethane	BRL	5.0		ug/L	242082	1	05/08/2017 19:23	NP
Bromoform	BRL	5.0		ug/L	242082	1	05/08/2017 19:23	NP
Bromomethane	BRL	5.0		ug/L	242082	1	05/08/2017 19:23	NP
Carbon disulfide	BRL	5.0		ug/L	242082	1	05/08/2017 19:23	NP
Carbon tetrachloride	BRL	5.0		ug/L	242082	1	05/08/2017 19:23	NP
Chlorobenzene	BRL	5.0		ug/L	242082	1	05/08/2017 19:23	NP
Chloroethane	BRL	10		ug/L	242082	1	05/08/2017 19:23	NP
Chloroform	BRL	5.0		ug/L	242082	1	05/08/2017 19:23	NP
Chloromethane	BRL	10		ug/L	242082	1	05/08/2017 19:23	NP
cis-1,2-Dichloroethene	12	5.0		ug/L	242082	1	05/08/2017 19:23	NP
cis-1,3-Dichloropropene	BRL	5.0		ug/L	242082	1	05/08/2017 19:23	NP
Cyclohexane	BRL	5.0		ug/L	242082	1	05/08/2017 19:23	NP
Dibromochloromethane	BRL	5.0		ug/L	242082	1	05/08/2017 19:23	NP
Dichlorodifluoromethane	BRL	10		ug/L	242082	1	05/08/2017 19:23	NP
Ethylbenzene	BRL	5.0		ug/L	242082	1	05/08/2017 19:23	NP
Freon-113	BRL	10		ug/L	242082	1	05/08/2017 19:23	NP
Isopropylbenzene	BRL	5.0		ug/L	242082	1	05/08/2017 19:23	NP
m,p-Xylene	BRL	5.0		ug/L	242082	1	05/08/2017 19:23	NP
Methyl acetate	BRL	5.0		ug/L	242082	1	05/08/2017 19:23	NP
Methyl tert-butyl ether	BRL	5.0		ug/L	242082	1	05/08/2017 19:23	NP
Methylcyclohexane	BRL	5.0		ug/L	242082	1	05/08/2017 19:23	NP
Methylene chloride	BRL	5.0		ug/L	242082	1	05/08/2017 19:23	NP
o-Xylene	BRL	5.0		ug/L	242082	1	05/08/2017 19:23	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-44D
Project Name:	MTL	**Collection Date:**	4/25/2017 10:56:00 AM
Lab ID:	1704P57-022	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	242082	1	05/08/2017 19:23	NP
Tetrachloroethene	BRL	5.0		ug/L	242082	1	05/08/2017 19:23	NP
Toluene	BRL	5.0		ug/L	242082	1	05/08/2017 19:23	NP
trans-1,2-Dichloroethene	BRL	5.0		ug/L	242082	1	05/08/2017 19:23	NP
trans-1,3-Dichloropropene	BRL	5.0		ug/L	242082	1	05/08/2017 19:23	NP
Trichloroethene	BRL	5.0		ug/L	242082	1	05/08/2017 19:23	NP
Trichlorofluoromethane	BRL	5.0		ug/L	242082	1	05/08/2017 19:23	NP
Vinyl chloride	BRL	2.0		ug/L	242082	1	05/08/2017 19:23	NP
Surr: 4-Bromofluorobenzene	74.4	66.1-129		%REC	242082	1	05/08/2017 19:23	NP
Surr: Dibromofluoromethane	116	83.6-123		%REC	242082	1	05/08/2017 19:23	NP
Surr: Toluene-d8	101	81.8-118		%REC	242082	1	05/08/2017 19:23	NP

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-455
Project Name:	MTL	**Collection Date:**	4/25/2017 11:48:00 AM
Lab ID:	1704P57-023	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	242082	1	05/05/2017 18:04	AR
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	242082	1	05/05/2017 18:04	AR
1,1,2-Trichloroethane	BRL	5.0		ug/L	242082	1	05/05/2017 18:04	AR
1,1-Dichloroethane	BRL	5.0		ug/L	242082	1	05/05/2017 18:04	AR
1,1-Dichloroethene	BRL	5.0		ug/L	242082	1	05/05/2017 18:04	AR
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	242082	1	05/05/2017 18:04	AR
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	242082	1	05/05/2017 18:04	AR
1,2-Dibromoethane	BRL	5.0		ug/L	242082	1	05/05/2017 18:04	AR
1,2-Dichlorobenzene	BRL	5.0		ug/L	242082	1	05/05/2017 18:04	AR
1,2-Dichloroethane	BRL	5.0		ug/L	242082	1	05/05/2017 18:04	AR
1,2-Dichloropropane	BRL	5.0		ug/L	242082	1	05/05/2017 18:04	AR
1,3-Dichlorobenzene	BRL	5.0		ug/L	242082	1	05/05/2017 18:04	AR
1,4-Dichlorobenzene	BRL	5.0		ug/L	242082	1	05/05/2017 18:04	AR
2-Butanone	BRL	50		ug/L	242082	1	05/05/2017 18:04	AR
2-Hexanone	BRL	10		ug/L	242082	1	05/05/2017 18:04	AR
4-Methyl-2-pentanone	BRL	10		ug/L	242082	1	05/05/2017 18:04	AR
Acetone	BRL	50		ug/L	242082	1	05/05/2017 18:04	AR
Benzene	BRL	5.0		ug/L	242082	1	05/05/2017 18:04	AR
Bromodichloromethane	BRL	5.0		ug/L	242082	1	05/05/2017 18:04	AR
Bromoform	BRL	5.0		ug/L	242082	1	05/05/2017 18:04	AR
Bromomethane	BRL	5.0		ug/L	242082	1	05/05/2017 18:04	AR
Carbon disulfide	BRL	5.0		ug/L	242082	1	05/05/2017 18:04	AR
Carbon tetrachloride	BRL	5.0		ug/L	242082	1	05/05/2017 18:04	AR
Chlorobenzene	BRL	5.0		ug/L	242082	1	05/05/2017 18:04	AR
Chloroethane	BRL	10		ug/L	242082	1	05/05/2017 18:04	AR
Chloroform	BRL	5.0		ug/L	242082	1	05/05/2017 18:04	AR
Chloromethane	BRL	10		ug/L	242082	1	05/05/2017 18:04	AR
cis-1,2-Dichloroethene	BRL	5.0		ug/L	242082	1	05/05/2017 18:04	AR
cis-1,3-Dichloropropene	BRL	5.0		ug/L	242082	1	05/05/2017 18:04	AR
Cyclohexane	BRL	5.0		ug/L	242082	1	05/05/2017 18:04	AR
Dibromochloromethane	BRL	5.0		ug/L	242082	1	05/05/2017 18:04	AR
Dichlorodifluoromethane	BRL	10		ug/L	242082	1	05/05/2017 18:04	AR
Ethylbenzene	BRL	5.0		ug/L	242082	1	05/05/2017 18:04	AR
Freon-113	BRL	10		ug/L	242082	1	05/05/2017 18:04	AR
Isopropylbenzene	BRL	5.0		ug/L	242082	1	05/05/2017 18:04	AR
m,p-Xylene	BRL	5.0		ug/L	242082	1	05/05/2017 18:04	AR
Methyl acetate	BRL	5.0		ug/L	242082	1	05/05/2017 18:04	AR
Methyl tert-butyl ether	BRL	5.0		ug/L	242082	1	05/05/2017 18:04	AR
Methylcyclohexane	BRL	5.0		ug/L	242082	1	05/05/2017 18:04	AR
Methylene chloride	BRL	5.0		ug/L	242082	1	05/05/2017 18:04	AR
o-Xylene	BRL	5.0		ug/L	242082	1	05/05/2017 18:04	AR

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-455
Project Name:	MTL	**Collection Date:**	4/25/2017 11:48:00 AM
Lab ID:	1704P57-023	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	242082	1	05/05/2017 18:04	AR
Tetrachloroethene	BRL	5.0		ug/L	242082	1	05/05/2017 18:04	AR
Toluene	BRL	5.0		ug/L	242082	1	05/05/2017 18:04	AR
trans-1,2-Dichloroethene	BRL	5.0		ug/L	242082	1	05/05/2017 18:04	AR
trans-1,3-Dichloropropene	BRL	5.0		ug/L	242082	1	05/05/2017 18:04	AR
Trichloroethene	BRL	5.0		ug/L	242082	1	05/05/2017 18:04	AR
Trichlorofluoromethane	BRL	5.0		ug/L	242082	1	05/05/2017 18:04	AR
Vinyl chloride	BRL	2.0		ug/L	242082	1	05/05/2017 18:04	AR
Surr: 4-Bromofluorobenzene	81.9	66.1-129		%REC	242082	1	05/05/2017 18:04	AR
Surr: Dibromofluoromethane	98.2	83.6-123		%REC	242082	1	05/05/2017 18:04	AR
Surr: Toluene-d8	94.4	81.8-118		%REC	242082	1	05/05/2017 18:04	AR

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-465
Project Name:	MTL	**Collection Date:**	4/24/2017 3:02:00 PM
Lab ID:	1704P57-024	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	242082	1	05/08/2017 18:06	NP
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	242082	1	05/08/2017 18:06	NP
1,1,2-Trichloroethane	BRL	5.0		ug/L	242082	1	05/08/2017 18:06	NP
1,1-Dichloroethane	BRL	5.0		ug/L	242082	1	05/08/2017 18:06	NP
1,1-Dichloroethene	BRL	5.0		ug/L	242082	1	05/08/2017 18:06	NP
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	242082	1	05/08/2017 18:06	NP
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	242082	1	05/08/2017 18:06	NP
1,2-Dibromoethane	BRL	5.0		ug/L	242082	1	05/08/2017 18:06	NP
1,2-Dichlorobenzene	BRL	5.0		ug/L	242082	1	05/08/2017 18:06	NP
1,2-Dichloroethane	BRL	5.0		ug/L	242082	1	05/08/2017 18:06	NP
1,2-Dichloropropane	BRL	5.0		ug/L	242082	1	05/08/2017 18:06	NP
1,3-Dichlorobenzene	BRL	5.0		ug/L	242082	1	05/08/2017 18:06	NP
1,4-Dichlorobenzene	BRL	5.0		ug/L	242082	1	05/08/2017 18:06	NP
2-Butanone	BRL	50		ug/L	242082	1	05/08/2017 18:06	NP
2-Hexanone	BRL	10		ug/L	242082	1	05/08/2017 18:06	NP
4-Methyl-2-pentanone	BRL	10		ug/L	242082	1	05/08/2017 18:06	NP
Acetone	BRL	50		ug/L	242082	1	05/08/2017 18:06	NP
Benzene	BRL	5.0		ug/L	242082	1	05/08/2017 18:06	NP
Bromodichloromethane	BRL	5.0		ug/L	242082	1	05/08/2017 18:06	NP
Bromoform	BRL	5.0		ug/L	242082	1	05/08/2017 18:06	NP
Bromomethane	BRL	5.0		ug/L	242082	1	05/08/2017 18:06	NP
Carbon disulfide	BRL	5.0		ug/L	242082	1	05/08/2017 18:06	NP
Carbon tetrachloride	BRL	5.0		ug/L	242082	1	05/08/2017 18:06	NP
Chlorobenzene	BRL	5.0		ug/L	242082	1	05/08/2017 18:06	NP
Chloroethane	BRL	10		ug/L	242082	1	05/08/2017 18:06	NP
Chloroform	BRL	5.0		ug/L	242082	1	05/08/2017 18:06	NP
Chloromethane	BRL	10		ug/L	242082	1	05/08/2017 18:06	NP
cis-1,2-Dichloroethene	8.0	5.0		ug/L	242082	1	05/08/2017 18:06	NP
cis-1,3-Dichloropropene	BRL	5.0		ug/L	242082	1	05/08/2017 18:06	NP
Cyclohexane	BRL	5.0		ug/L	242082	1	05/08/2017 18:06	NP
Dibromochloromethane	BRL	5.0		ug/L	242082	1	05/08/2017 18:06	NP
Dichlorodifluoromethane	BRL	10		ug/L	242082	1	05/08/2017 18:06	NP
Ethylbenzene	BRL	5.0		ug/L	242082	1	05/08/2017 18:06	NP
Freon-113	BRL	10		ug/L	242082	1	05/08/2017 18:06	NP
Isopropylbenzene	BRL	5.0		ug/L	242082	1	05/08/2017 18:06	NP
m,p-Xylene	BRL	5.0		ug/L	242082	1	05/08/2017 18:06	NP
Methyl acetate	BRL	5.0		ug/L	242082	1	05/08/2017 18:06	NP
Methyl tert-butyl ether	BRL	5.0		ug/L	242082	1	05/08/2017 18:06	NP
Methylcyclohexane	BRL	5.0		ug/L	242082	1	05/08/2017 18:06	NP
Methylene chloride	BRL	5.0		ug/L	242082	1	05/08/2017 18:06	NP
o-Xylene	BRL	5.0		ug/L	242082	1	05/08/2017 18:06	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-465
Project Name:	MTL	**Collection Date:**	4/24/2017 3:02:00 PM
Lab ID:	1704P57-024	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	242082	1	05/08/2017 18:06	NP
Tetrachloroethene	BRL	5.0		ug/L	242082	1	05/08/2017 18:06	NP
Toluene	BRL	5.0		ug/L	242082	1	05/08/2017 18:06	NP
trans-1,2-Dichloroethene	BRL	5.0		ug/L	242082	1	05/08/2017 18:06	NP
trans-1,3-Dichloropropene	BRL	5.0		ug/L	242082	1	05/08/2017 18:06	NP
Trichloroethene	BRL	5.0		ug/L	242082	1	05/08/2017 18:06	NP
Trichlorofluoromethane	BRL	5.0		ug/L	242082	1	05/08/2017 18:06	NP
Vinyl chloride	6.2	2.0		ug/L	242082	1	05/08/2017 18:06	NP
Surr: 4-Bromofluorobenzene	78.6	66.1-129		%REC	242082	1	05/08/2017 18:06	NP
Surr: Dibromofluoromethane	115	83.6-123		%REC	242082	1	05/08/2017 18:06	NP
Surr: Toluene-d8	100	81.8-118		%REC	242082	1	05/08/2017 18:06	NP

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-47D
Project Name:	MTL	**Collection Date:**	4/24/2017 11:33:00 AM
Lab ID:	1704P57-025	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	242082	1	05/08/2017 18:31	NP
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	242082	1	05/08/2017 18:31	NP
1,1,2-Trichloroethane	BRL	5.0		ug/L	242082	1	05/08/2017 18:31	NP
1,1-Dichloroethane	BRL	5.0		ug/L	242082	1	05/08/2017 18:31	NP
1,1-Dichloroethene	BRL	5.0		ug/L	242082	1	05/08/2017 18:31	NP
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	242082	1	05/08/2017 18:31	NP
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	242082	1	05/08/2017 18:31	NP
1,2-Dibromoethane	BRL	5.0		ug/L	242082	1	05/08/2017 18:31	NP
1,2-Dichlorobenzene	BRL	5.0		ug/L	242082	1	05/08/2017 18:31	NP
1,2-Dichloroethane	BRL	5.0		ug/L	242082	1	05/08/2017 18:31	NP
1,2-Dichloropropane	BRL	5.0		ug/L	242082	1	05/08/2017 18:31	NP
1,3-Dichlorobenzene	BRL	5.0		ug/L	242082	1	05/08/2017 18:31	NP
1,4-Dichlorobenzene	BRL	5.0		ug/L	242082	1	05/08/2017 18:31	NP
2-Butanone	BRL	50		ug/L	242082	1	05/08/2017 18:31	NP
2-Hexanone	BRL	10		ug/L	242082	1	05/08/2017 18:31	NP
4-Methyl-2-pentanone	BRL	10		ug/L	242082	1	05/08/2017 18:31	NP
Acetone	BRL	50		ug/L	242082	1	05/08/2017 18:31	NP
Benzene	BRL	5.0		ug/L	242082	1	05/08/2017 18:31	NP
Bromodichloromethane	BRL	5.0		ug/L	242082	1	05/08/2017 18:31	NP
Bromoform	BRL	5.0		ug/L	242082	1	05/08/2017 18:31	NP
Bromomethane	BRL	5.0		ug/L	242082	1	05/08/2017 18:31	NP
Carbon disulfide	BRL	5.0		ug/L	242082	1	05/08/2017 18:31	NP
Carbon tetrachloride	BRL	5.0		ug/L	242082	1	05/08/2017 18:31	NP
Chlorobenzene	BRL	5.0		ug/L	242082	1	05/08/2017 18:31	NP
Chloroethane	BRL	10		ug/L	242082	1	05/08/2017 18:31	NP
Chloroform	BRL	5.0		ug/L	242082	1	05/08/2017 18:31	NP
Chloromethane	BRL	10		ug/L	242082	1	05/08/2017 18:31	NP
cis-1,2-Dichloroethene	32	5.0		ug/L	242082	1	05/08/2017 18:31	NP
cis-1,3-Dichloropropene	BRL	5.0		ug/L	242082	1	05/08/2017 18:31	NP
Cyclohexane	BRL	5.0		ug/L	242082	1	05/08/2017 18:31	NP
Dibromochloromethane	BRL	5.0		ug/L	242082	1	05/08/2017 18:31	NP
Dichlorodifluoromethane	BRL	10		ug/L	242082	1	05/08/2017 18:31	NP
Ethylbenzene	BRL	5.0		ug/L	242082	1	05/08/2017 18:31	NP
Freon-113	BRL	10		ug/L	242082	1	05/08/2017 18:31	NP
Isopropylbenzene	BRL	5.0		ug/L	242082	1	05/08/2017 18:31	NP
m,p-Xylene	BRL	5.0		ug/L	242082	1	05/08/2017 18:31	NP
Methyl acetate	BRL	5.0		ug/L	242082	1	05/08/2017 18:31	NP
Methyl tert-butyl ether	BRL	5.0		ug/L	242082	1	05/08/2017 18:31	NP
Methylcyclohexane	BRL	5.0		ug/L	242082	1	05/08/2017 18:31	NP
Methylene chloride	BRL	5.0		ug/L	242082	1	05/08/2017 18:31	NP
o-Xylene	BRL	5.0		ug/L	242082	1	05/08/2017 18:31	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-47D
Project Name:	MTL	**Collection Date:**	4/24/2017 11:33:00 AM
Lab ID:	1704P57-025	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	242082	1	05/08/2017 18:31	NP
Tetrachloroethene	BRL	5.0		ug/L	242082	1	05/08/2017 18:31	NP
Toluene	BRL	5.0		ug/L	242082	1	05/08/2017 18:31	NP
trans-1,2-Dichloroethene	BRL	5.0		ug/L	242082	1	05/08/2017 18:31	NP
trans-1,3-Dichloropropene	BRL	5.0		ug/L	242082	1	05/08/2017 18:31	NP
Trichloroethene	15	5.0		ug/L	242082	1	05/08/2017 18:31	NP
Trichlorofluoromethane	BRL	5.0		ug/L	242082	1	05/08/2017 18:31	NP
Vinyl chloride	BRL	2.0		ug/L	242082	1	05/08/2017 18:31	NP
Surr: 4-Bromofluorobenzene	79.1	66.1-129		%REC	242082	1	05/08/2017 18:31	NP
Surr: Dibromofluoromethane	105	83.6-123		%REC	242082	1	05/08/2017 18:31	NP
Surr: Toluene-d8	101	81.8-118		%REC	242082	1	05/08/2017 18:31	NP

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-48S
Project Name:	MTL	**Collection Date:**	4/24/2017 3:56:00 PM
Lab ID:	1704P57-026	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	242082	1	05/05/2017 19:26	AR
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	242082	1	05/05/2017 19:26	AR
1,1,2-Trichloroethane	BRL	5.0		ug/L	242082	1	05/05/2017 19:26	AR
1,1-Dichloroethane	BRL	5.0		ug/L	242082	1	05/05/2017 19:26	AR
1,1-Dichloroethene	BRL	5.0		ug/L	242082	1	05/05/2017 19:26	AR
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	242082	1	05/05/2017 19:26	AR
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	242082	1	05/05/2017 19:26	AR
1,2-Dibromoethane	BRL	5.0		ug/L	242082	1	05/05/2017 19:26	AR
1,2-Dichlorobenzene	BRL	5.0		ug/L	242082	1	05/05/2017 19:26	AR
1,2-Dichloroethane	BRL	5.0		ug/L	242082	1	05/05/2017 19:26	AR
1,2-Dichloropropane	BRL	5.0		ug/L	242082	1	05/05/2017 19:26	AR
1,3-Dichlorobenzene	BRL	5.0		ug/L	242082	1	05/05/2017 19:26	AR
1,4-Dichlorobenzene	BRL	5.0		ug/L	242082	1	05/05/2017 19:26	AR
2-Butanone	BRL	50		ug/L	242082	1	05/05/2017 19:26	AR
2-Hexanone	BRL	10		ug/L	242082	1	05/05/2017 19:26	AR
4-Methyl-2-pentanone	BRL	10		ug/L	242082	1	05/05/2017 19:26	AR
Acetone	BRL	50		ug/L	242082	1	05/05/2017 19:26	AR
Benzene	BRL	5.0		ug/L	242082	1	05/05/2017 19:26	AR
Bromodichloromethane	BRL	5.0		ug/L	242082	1	05/05/2017 19:26	AR
Bromoform	BRL	5.0		ug/L	242082	1	05/05/2017 19:26	AR
Bromomethane	BRL	5.0		ug/L	242082	1	05/05/2017 19:26	AR
Carbon disulfide	BRL	5.0		ug/L	242082	1	05/05/2017 19:26	AR
Carbon tetrachloride	BRL	5.0		ug/L	242082	1	05/05/2017 19:26	AR
Chlorobenzene	BRL	5.0		ug/L	242082	1	05/05/2017 19:26	AR
Chloroethane	BRL	10		ug/L	242082	1	05/05/2017 19:26	AR
Chloroform	BRL	5.0		ug/L	242082	1	05/05/2017 19:26	AR
Chloromethane	BRL	10		ug/L	242082	1	05/05/2017 19:26	AR
cis-1,2-Dichloroethene	BRL	5.0		ug/L	242082	1	05/05/2017 19:26	AR
cis-1,3-Dichloropropene	BRL	5.0		ug/L	242082	1	05/05/2017 19:26	AR
Cyclohexane	BRL	5.0		ug/L	242082	1	05/05/2017 19:26	AR
Dibromochloromethane	BRL	5.0		ug/L	242082	1	05/05/2017 19:26	AR
Dichlorodifluoromethane	BRL	10		ug/L	242082	1	05/05/2017 19:26	AR
Ethylbenzene	BRL	5.0		ug/L	242082	1	05/05/2017 19:26	AR
Freon-113	BRL	10		ug/L	242082	1	05/05/2017 19:26	AR
Isopropylbenzene	BRL	5.0		ug/L	242082	1	05/05/2017 19:26	AR
m,p-Xylene	BRL	5.0		ug/L	242082	1	05/05/2017 19:26	AR
Methyl acetate	BRL	5.0		ug/L	242082	1	05/05/2017 19:26	AR
Methyl tert-butyl ether	BRL	5.0		ug/L	242082	1	05/05/2017 19:26	AR
Methylcyclohexane	BRL	5.0		ug/L	242082	1	05/05/2017 19:26	AR
Methylene chloride	BRL	5.0		ug/L	242082	1	05/05/2017 19:26	AR
o-Xylene	BRL	5.0		ug/L	242082	1	05/05/2017 19:26	AR

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-48S
Project Name:	MTL	**Collection Date:**	4/24/2017 3:56:00 PM
Lab ID:	1704P57-026	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	242082	1	05/05/2017 19:26	AR
Tetrachloroethene	BRL	5.0		ug/L	242082	1	05/05/2017 19:26	AR
Toluene	BRL	5.0		ug/L	242082	1	05/05/2017 19:26	AR
trans-1,2-Dichloroethene	BRL	5.0		ug/L	242082	1	05/05/2017 19:26	AR
trans-1,3-Dichloropropene	BRL	5.0		ug/L	242082	1	05/05/2017 19:26	AR
Trichloroethene	BRL	5.0		ug/L	242082	1	05/05/2017 19:26	AR
Trichlorofluoromethane	BRL	5.0		ug/L	242082	1	05/05/2017 19:26	AR
Vinyl chloride	BRL	2.0		ug/L	242082	1	05/05/2017 19:26	AR
Surr: 4-Bromofluorobenzene	83.7	66.1-129		%REC	242082	1	05/05/2017 19:26	AR
Surr: Dibromofluoromethane	99.7	83.6-123		%REC	242082	1	05/05/2017 19:26	AR
Surr: Toluene-d8	92.3	81.8-118		%REC	242082	1	05/05/2017 19:26	AR

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-49D
Project Name:	MTL	**Collection Date:**	4/27/2017 10:40:00 AM
Lab ID:	1704P57-027	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	242082	1	05/05/2017 21:40	AR
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	242082	1	05/05/2017 21:40	AR
1,1,2-Trichloroethane	BRL	5.0		ug/L	242082	1	05/05/2017 21:40	AR
1,1-Dichloroethane	BRL	5.0		ug/L	242082	1	05/05/2017 21:40	AR
1,1-Dichloroethene	BRL	5.0		ug/L	242082	1	05/05/2017 21:40	AR
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	242082	1	05/05/2017 21:40	AR
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	242082	1	05/05/2017 21:40	AR
1,2-Dibromoethane	BRL	5.0		ug/L	242082	1	05/05/2017 21:40	AR
1,2-Dichlorobenzene	BRL	5.0		ug/L	242082	1	05/05/2017 21:40	AR
1,2-Dichloroethane	BRL	5.0		ug/L	242082	1	05/05/2017 21:40	AR
1,2-Dichloropropane	BRL	5.0		ug/L	242082	1	05/05/2017 21:40	AR
1,3-Dichlorobenzene	BRL	5.0		ug/L	242082	1	05/05/2017 21:40	AR
1,4-Dichlorobenzene	BRL	5.0		ug/L	242082	1	05/05/2017 21:40	AR
2-Butanone	BRL	50		ug/L	242082	1	05/05/2017 21:40	AR
2-Hexanone	BRL	10		ug/L	242082	1	05/05/2017 21:40	AR
4-Methyl-2-pentanone	BRL	10		ug/L	242082	1	05/05/2017 21:40	AR
Acetone	BRL	50		ug/L	242082	1	05/05/2017 21:40	AR
Benzene	BRL	5.0		ug/L	242082	1	05/05/2017 21:40	AR
Bromodichloromethane	BRL	5.0		ug/L	242082	1	05/05/2017 21:40	AR
Bromoform	BRL	5.0		ug/L	242082	1	05/05/2017 21:40	AR
Bromomethane	BRL	5.0		ug/L	242082	1	05/05/2017 21:40	AR
Carbon disulfide	BRL	5.0		ug/L	242082	1	05/05/2017 21:40	AR
Carbon tetrachloride	BRL	5.0		ug/L	242082	1	05/05/2017 21:40	AR
Chlorobenzene	BRL	5.0		ug/L	242082	1	05/05/2017 21:40	AR
Chloroethane	BRL	10		ug/L	242082	1	05/05/2017 21:40	AR
Chloroform	BRL	5.0		ug/L	242082	1	05/05/2017 21:40	AR
Chloromethane	BRL	10		ug/L	242082	1	05/05/2017 21:40	AR
cis-1,2-Dichloroethene	1000	100		ug/L	242082	20	05/05/2017 22:07	AR
cis-1,3-Dichloropropene	BRL	5.0		ug/L	242082	1	05/05/2017 21:40	AR
Cyclohexane	BRL	5.0		ug/L	242082	1	05/05/2017 21:40	AR
Dibromochloromethane	BRL	5.0		ug/L	242082	1	05/05/2017 21:40	AR
Dichlorodifluoromethane	BRL	10		ug/L	242082	1	05/05/2017 21:40	AR
Ethylbenzene	BRL	5.0		ug/L	242082	1	05/05/2017 21:40	AR
Freon-113	BRL	10		ug/L	242082	1	05/05/2017 21:40	AR
Isopropylbenzene	BRL	5.0		ug/L	242082	1	05/05/2017 21:40	AR
m,p-Xylene	BRL	5.0		ug/L	242082	1	05/05/2017 21:40	AR
Methyl acetate	BRL	5.0		ug/L	242082	1	05/05/2017 21:40	AR
Methyl tert-butyl ether	BRL	5.0		ug/L	242082	1	05/05/2017 21:40	AR
Methylcyclohexane	BRL	5.0		ug/L	242082	1	05/05/2017 21:40	AR
Methylene chloride	BRL	5.0		ug/L	242082	1	05/05/2017 21:40	AR
o-Xylene	BRL	5.0		ug/L	242082	1	05/05/2017 21:40	AR

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-49D
Project Name:	MTL	**Collection Date:**	4/27/2017 10:40:00 AM
Lab ID:	1704P57-027	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	242082	1	05/05/2017 21:40	AR
Tetrachloroethene	BRL	5.0		ug/L	242082	1	05/05/2017 21:40	AR
Toluene	BRL	5.0		ug/L	242082	1	05/05/2017 21:40	AR
trans-1,2-Dichloroethene	BRL	5.0		ug/L	242082	1	05/05/2017 21:40	AR
trans-1,3-Dichloropropene	BRL	5.0		ug/L	242082	1	05/05/2017 21:40	AR
Trichloroethene	BRL	5.0		ug/L	242082	1	05/05/2017 21:40	AR
Trichlorofluoromethane	BRL	5.0		ug/L	242082	1	05/05/2017 21:40	AR
Vinyl chloride	79	2.0		ug/L	242082	1	05/05/2017 21:40	AR
Surr: 4-Bromofluorobenzene	86.4	66.1-129		%REC	242082	1	05/05/2017 21:40	AR
Surr: 4-Bromofluorobenzene	86.5	66.1-129		%REC	242082	20	05/05/2017 22:07	AR
Surr: Dibromofluoromethane	101	83.6-123		%REC	242082	20	05/05/2017 22:07	AR
Surr: Dibromofluoromethane	106	83.6-123		%REC	242082	1	05/05/2017 21:40	AR
Surr: Toluene-d8	93.4	81.8-118		%REC	242082	1	05/05/2017 21:40	AR
Surr: Toluene-d8	91.8	81.8-118		%REC	242082	20	05/05/2017 22:07	AR

Qualifiers:

*	Value exceeds maximum contaminant level
BRL	Below reporting limit
H	Holding times for preparation or analysis exceeded
N	Analyte not NELAC certified
B	Analyte detected in the associated method blank
>	Greater than Result value
E	Estimated (value above quantitation range)
S	Spike Recovery outside limits due to matrix
Narr	See case narrative
NC	Not confirmed
<	Less than Result value
J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-50S
Project Name:	MTL	**Collection Date:**	4/27/2017 9:51:00 AM
Lab ID:	1704P57-028	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	242082	1	05/04/2017 20:18	LJ
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	242082	1	05/04/2017 20:18	LJ
1,1,2-Trichloroethane	BRL	5.0		ug/L	242082	1	05/04/2017 20:18	LJ
1,1-Dichloroethane	7.9	5.0		ug/L	242082	1	05/04/2017 20:18	LJ
1,1-Dichloroethene	17	5.0		ug/L	242082	1	05/04/2017 20:18	LJ
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	242082	1	05/04/2017 20:18	LJ
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	242082	1	05/04/2017 20:18	LJ
1,2-Dibromoethane	BRL	5.0		ug/L	242082	1	05/04/2017 20:18	LJ
1,2-Dichlorobenzene	BRL	5.0		ug/L	242082	1	05/04/2017 20:18	LJ
1,2-Dichloroethane	BRL	5.0		ug/L	242082	1	05/04/2017 20:18	LJ
1,2-Dichloropropane	BRL	5.0		ug/L	242082	1	05/04/2017 20:18	LJ
1,3-Dichlorobenzene	BRL	5.0		ug/L	242082	1	05/04/2017 20:18	LJ
1,4-Dichlorobenzene	BRL	5.0		ug/L	242082	1	05/04/2017 20:18	LJ
2-Butanone	BRL	50		ug/L	242082	1	05/04/2017 20:18	LJ
2-Hexanone	BRL	10		ug/L	242082	1	05/04/2017 20:18	LJ
4-Methyl-2-pentanone	BRL	10		ug/L	242082	1	05/04/2017 20:18	LJ
Acetone	BRL	50		ug/L	242082	1	05/04/2017 20:18	LJ
Benzene	BRL	5.0		ug/L	242082	1	05/04/2017 20:18	LJ
Bromodichloromethane	BRL	5.0		ug/L	242082	1	05/04/2017 20:18	LJ
Bromoform	BRL	5.0		ug/L	242082	1	05/04/2017 20:18	LJ
Bromomethane	BRL	5.0		ug/L	242082	1	05/04/2017 20:18	LJ
Carbon disulfide	BRL	5.0		ug/L	242082	1	05/04/2017 20:18	LJ
Carbon tetrachloride	BRL	5.0		ug/L	242082	1	05/04/2017 20:18	LJ
Chlorobenzene	BRL	5.0		ug/L	242082	1	05/04/2017 20:18	LJ
Chloroethane	BRL	10		ug/L	242082	1	05/04/2017 20:18	LJ
Chloroform	BRL	5.0		ug/L	242082	1	05/04/2017 20:18	LJ
Chloromethane	BRL	10		ug/L	242082	1	05/04/2017 20:18	LJ
cis-1,2-Dichloroethene	5900	250		ug/L	242082	50	05/09/2017 12:26	NP
cis-1,3-Dichloropropene	BRL	5.0		ug/L	242082	1	05/04/2017 20:18	LJ
Cyclohexane	BRL	5.0		ug/L	242082	1	05/04/2017 20:18	LJ
Dibromochloromethane	BRL	5.0		ug/L	242082	1	05/04/2017 20:18	LJ
Dichlorodifluoromethane	BRL	10		ug/L	242082	1	05/04/2017 20:18	LJ
Ethylbenzene	BRL	5.0		ug/L	242082	1	05/04/2017 20:18	LJ
Freon-113	BRL	10		ug/L	242082	1	05/04/2017 20:18	LJ
Isopropylbenzene	BRL	5.0		ug/L	242082	1	05/04/2017 20:18	LJ
m,p-Xylene	BRL	5.0		ug/L	242082	1	05/04/2017 20:18	LJ
Methyl acetate	BRL	5.0		ug/L	242082	1	05/04/2017 20:18	LJ
Methyl tert-butyl ether	BRL	5.0		ug/L	242082	1	05/04/2017 20:18	LJ
Methylcyclohexane	BRL	5.0		ug/L	242082	1	05/04/2017 20:18	LJ
Methylene chloride	BRL	5.0		ug/L	242082	1	05/04/2017 20:18	LJ
o-Xylene	BRL	5.0		ug/L	242082	1	05/04/2017 20:18	LJ

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-50S
Project Name:	MTL	**Collection Date:**	4/27/2017 9:51:00 AM
Lab ID:	1704P57-028	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	242082	1	05/04/2017 20:18	LJ
Tetrachloroethene	190	100		ug/L	242082	50	05/09/2017 12:26	NP
Toluene	BRL	5.0		ug/L	242082	1	05/04/2017 20:18	LJ
trans-1,2-Dichloroethene	91	5.0		ug/L	242082	1	05/04/2017 20:18	LJ
trans-1,3-Dichloropropene	BRL	5.0		ug/L	242082	1	05/04/2017 20:18	LJ
Trichloroethene	1900	250		ug/L	242082	50	05/09/2017 12:26	NP
Trichlorofluoromethane	BRL	5.0		ug/L	242082	1	05/04/2017 20:18	LJ
Vinyl chloride	180	100		ug/L	242082	50	05/09/2017 12:26	NP
Surr: 4-Bromofluorobenzene	74.9	66.1-129		%REC	242082	50	05/09/2017 12:26	NP
Surr: 4-Bromofluorobenzene	74.2	66.1-129		%REC	242082	1	05/04/2017 20:18	LJ
Surr: Dibromofluoromethane	110	83.6-123		%REC	242082	50	05/09/2017 12:26	NP
Surr: Dibromofluoromethane	107	83.6-123		%REC	242082	1	05/04/2017 20:18	LJ
Surr: Toluene-d8	101	81.8-118		%REC	242082	50	05/09/2017 12:26	NP
Surr: Toluene-d8	88.7	81.8-118		%REC	242082	1	05/04/2017 20:18	LJ

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-51D
Project Name:	MTL	**Collection Date:**	4/27/2017 9:24:00 AM
Lab ID:	1704P57-029	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	242082	1	05/05/2017 22:34	AR
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	242082	1	05/05/2017 22:34	AR
1,1,2-Trichloroethane	BRL	5.0		ug/L	242082	1	05/05/2017 22:34	AR
1,1-Dichloroethane	BRL	5.0		ug/L	242082	1	05/05/2017 22:34	AR
1,1-Dichloroethene	BRL	5.0		ug/L	242082	1	05/05/2017 22:34	AR
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	242082	1	05/05/2017 22:34	AR
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	242082	1	05/05/2017 22:34	AR
1,2-Dibromoethane	BRL	5.0		ug/L	242082	1	05/05/2017 22:34	AR
1,2-Dichlorobenzene	BRL	5.0		ug/L	242082	1	05/05/2017 22:34	AR
1,2-Dichloroethane	BRL	5.0		ug/L	242082	1	05/05/2017 22:34	AR
1,2-Dichloropropane	BRL	5.0		ug/L	242082	1	05/05/2017 22:34	AR
1,3-Dichlorobenzene	BRL	5.0		ug/L	242082	1	05/05/2017 22:34	AR
1,4-Dichlorobenzene	BRL	5.0		ug/L	242082	1	05/05/2017 22:34	AR
2-Butanone	BRL	50		ug/L	242082	1	05/05/2017 22:34	AR
2-Hexanone	BRL	10		ug/L	242082	1	05/05/2017 22:34	AR
4-Methyl-2-pentanone	BRL	10		ug/L	242082	1	05/05/2017 22:34	AR
Acetone	BRL	50		ug/L	242082	1	05/05/2017 22:34	AR
Benzene	BRL	5.0		ug/L	242082	1	05/05/2017 22:34	AR
Bromodichloromethane	BRL	5.0		ug/L	242082	1	05/05/2017 22:34	AR
Bromoform	BRL	5.0		ug/L	242082	1	05/05/2017 22:34	AR
Bromomethane	BRL	5.0		ug/L	242082	1	05/05/2017 22:34	AR
Carbon disulfide	BRL	5.0		ug/L	242082	1	05/05/2017 22:34	AR
Carbon tetrachloride	BRL	5.0		ug/L	242082	1	05/05/2017 22:34	AR
Chlorobenzene	BRL	5.0		ug/L	242082	1	05/05/2017 22:34	AR
Chloroethane	BRL	10		ug/L	242082	1	05/05/2017 22:34	AR
Chloroform	BRL	5.0		ug/L	242082	1	05/05/2017 22:34	AR
Chloromethane	BRL	10		ug/L	242082	1	05/05/2017 22:34	AR
cis-1,2-Dichloroethene	620	50		ug/L	242082	10	05/09/2017 10:44	NP
cis-1,3-Dichloropropene	BRL	5.0		ug/L	242082	1	05/05/2017 22:34	AR
Cyclohexane	BRL	5.0		ug/L	242082	1	05/05/2017 22:34	AR
Dibromochloromethane	BRL	5.0		ug/L	242082	1	05/05/2017 22:34	AR
Dichlorodifluoromethane	BRL	10		ug/L	242082	1	05/05/2017 22:34	AR
Ethylbenzene	BRL	5.0		ug/L	242082	1	05/05/2017 22:34	AR
Freon-113	BRL	10		ug/L	242082	1	05/05/2017 22:34	AR
Isopropylbenzene	BRL	5.0		ug/L	242082	1	05/05/2017 22:34	AR
m,p-Xylene	BRL	5.0		ug/L	242082	1	05/05/2017 22:34	AR
Methyl acetate	BRL	5.0		ug/L	242082	1	05/05/2017 22:34	AR
Methyl tert-butyl ether	BRL	5.0		ug/L	242082	1	05/05/2017 22:34	AR
Methylcyclohexane	BRL	5.0		ug/L	242082	1	05/05/2017 22:34	AR
Methylene chloride	BRL	5.0		ug/L	242082	1	05/05/2017 22:34	AR
o-Xylene	BRL	5.0		ug/L	242082	1	05/05/2017 22:34	AR

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-51D
Project Name:	MTL	**Collection Date:**	4/27/2017 9:24:00 AM
Lab ID:	1704P57-029	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	242082	1	05/05/2017 22:34	AR
Tetrachloroethene	BRL	5.0		ug/L	242082	1	05/05/2017 22:34	AR
Toluene	BRL	5.0		ug/L	242082	1	05/05/2017 22:34	AR
trans-1,2-Dichloroethene	BRL	5.0		ug/L	242082	1	05/05/2017 22:34	AR
trans-1,3-Dichloropropene	BRL	5.0		ug/L	242082	1	05/05/2017 22:34	AR
Trichloroethene	BRL	5.0		ug/L	242082	1	05/05/2017 22:34	AR
Trichlorofluoromethane	BRL	5.0		ug/L	242082	1	05/05/2017 22:34	AR
Vinyl chloride	200	20		ug/L	242082	10	05/09/2017 10:44	NP
Surr: 4-Bromofluorobenzene	79.8	66.1-129		%REC	242082	10	05/09/2017 10:44	NP
Surr: 4-Bromofluorobenzene	84.9	66.1-129		%REC	242082	1	05/05/2017 22:34	AR
Surr: Dibromofluoromethane	104	83.6-123		%REC	242082	1	05/05/2017 22:34	AR
Surr: Dibromofluoromethane	106	83.6-123		%REC	242082	10	05/09/2017 10:44	NP
Surr: Toluene-d8	94.5	81.8-118		%REC	242082	1	05/05/2017 22:34	AR
Surr: Toluene-d8	96.5	81.8-118		%REC	242082	10	05/09/2017 10:44	NP

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-52D
Project Name:	MTL	**Collection Date:**	4/26/2017 3:08:00 PM
Lab ID:	1704P57-030	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	242082	1	05/05/2017 19:53	AR
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	242082	1	05/05/2017 19:53	AR
1,1,2-Trichloroethane	BRL	5.0		ug/L	242082	1	05/05/2017 19:53	AR
1,1-Dichloroethane	BRL	5.0		ug/L	242082	1	05/05/2017 19:53	AR
1,1-Dichloroethene	BRL	5.0		ug/L	242082	1	05/05/2017 19:53	AR
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	242082	1	05/05/2017 19:53	AR
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	242082	1	05/05/2017 19:53	AR
1,2-Dibromoethane	BRL	5.0		ug/L	242082	1	05/05/2017 19:53	AR
1,2-Dichlorobenzene	BRL	5.0		ug/L	242082	1	05/05/2017 19:53	AR
1,2-Dichloroethane	BRL	5.0		ug/L	242082	1	05/05/2017 19:53	AR
1,2-Dichloropropane	BRL	5.0		ug/L	242082	1	05/05/2017 19:53	AR
1,3-Dichlorobenzene	BRL	5.0		ug/L	242082	1	05/05/2017 19:53	AR
1,4-Dichlorobenzene	BRL	5.0		ug/L	242082	1	05/05/2017 19:53	AR
2-Butanone	BRL	50		ug/L	242082	1	05/05/2017 19:53	AR
2-Hexanone	BRL	10		ug/L	242082	1	05/05/2017 19:53	AR
4-Methyl-2-pentanone	BRL	10		ug/L	242082	1	05/05/2017 19:53	AR
Acetone	BRL	50		ug/L	242082	1	05/05/2017 19:53	AR
Benzene	BRL	5.0		ug/L	242082	1	05/05/2017 19:53	AR
Bromodichloromethane	BRL	5.0		ug/L	242082	1	05/05/2017 19:53	AR
Bromoform	BRL	5.0		ug/L	242082	1	05/05/2017 19:53	AR
Bromomethane	BRL	5.0		ug/L	242082	1	05/05/2017 19:53	AR
Carbon disulfide	BRL	5.0		ug/L	242082	1	05/05/2017 19:53	AR
Carbon tetrachloride	BRL	5.0		ug/L	242082	1	05/05/2017 19:53	AR
Chlorobenzene	BRL	5.0		ug/L	242082	1	05/05/2017 19:53	AR
Chloroethane	BRL	10		ug/L	242082	1	05/05/2017 19:53	AR
Chloroform	BRL	5.0		ug/L	242082	1	05/05/2017 19:53	AR
Chloromethane	BRL	10		ug/L	242082	1	05/05/2017 19:53	AR
cis-1,2-Dichloroethene	BRL	5.0		ug/L	242082	1	05/05/2017 19:53	AR
cis-1,3-Dichloropropene	BRL	5.0		ug/L	242082	1	05/05/2017 19:53	AR
Cyclohexane	BRL	5.0		ug/L	242082	1	05/05/2017 19:53	AR
Dibromochloromethane	BRL	5.0		ug/L	242082	1	05/05/2017 19:53	AR
Dichlorodifluoromethane	BRL	10		ug/L	242082	1	05/05/2017 19:53	AR
Ethylbenzene	BRL	5.0		ug/L	242082	1	05/05/2017 19:53	AR
Freon-113	BRL	10		ug/L	242082	1	05/05/2017 19:53	AR
Isopropylbenzene	BRL	5.0		ug/L	242082	1	05/05/2017 19:53	AR
m,p-Xylene	BRL	5.0		ug/L	242082	1	05/05/2017 19:53	AR
Methyl acetate	BRL	5.0		ug/L	242082	1	05/05/2017 19:53	AR
Methyl tert-butyl ether	BRL	5.0		ug/L	242082	1	05/05/2017 19:53	AR
Methylcyclohexane	BRL	5.0		ug/L	242082	1	05/05/2017 19:53	AR
Methylene chloride	BRL	5.0		ug/L	242082	1	05/05/2017 19:53	AR
o-Xylene	BRL	5.0		ug/L	242082	1	05/05/2017 19:53	AR

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-52D
Project Name:	MTL	**Collection Date:**	4/26/2017 3:08:00 PM
Lab ID:	1704P57-030	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	242082	1	05/05/2017 19:53	AR
Tetrachloroethene	BRL	5.0		ug/L	242082	1	05/05/2017 19:53	AR
Toluene	BRL	5.0		ug/L	242082	1	05/05/2017 19:53	AR
trans-1,2-Dichloroethene	BRL	5.0		ug/L	242082	1	05/05/2017 19:53	AR
trans-1,3-Dichloropropene	BRL	5.0		ug/L	242082	1	05/05/2017 19:53	AR
Trichloroethene	BRL	5.0		ug/L	242082	1	05/05/2017 19:53	AR
Trichlorofluoromethane	BRL	5.0		ug/L	242082	1	05/05/2017 19:53	AR
Vinyl chloride	BRL	2.0		ug/L	242082	1	05/05/2017 19:53	AR
Surr: 4-Bromofluorobenzene	84.1	66.1-129		%REC	242082	1	05/05/2017 19:53	AR
Surr: Dibromofluoromethane	98.5	83.6-123		%REC	242082	1	05/05/2017 19:53	AR
Surr: Toluene-d8	91	81.8-118		%REC	242082	1	05/05/2017 19:53	AR

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-53D
Project Name:	MTL	**Collection Date:**	4/26/2017 4:48:00 PM
Lab ID:	1704P57-031	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	242082	1	05/05/2017 20:20	AR
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	242082	1	05/05/2017 20:20	AR
1,1,2-Trichloroethane	BRL	5.0		ug/L	242082	1	05/05/2017 20:20	AR
1,1-Dichloroethane	BRL	5.0		ug/L	242082	1	05/05/2017 20:20	AR
1,1-Dichloroethene	BRL	5.0		ug/L	242082	1	05/05/2017 20:20	AR
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	242082	1	05/05/2017 20:20	AR
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	242082	1	05/05/2017 20:20	AR
1,2-Dibromoethane	BRL	5.0		ug/L	242082	1	05/05/2017 20:20	AR
1,2-Dichlorobenzene	BRL	5.0		ug/L	242082	1	05/05/2017 20:20	AR
1,2-Dichloroethane	BRL	5.0		ug/L	242082	1	05/05/2017 20:20	AR
1,2-Dichloropropane	BRL	5.0		ug/L	242082	1	05/05/2017 20:20	AR
1,3-Dichlorobenzene	BRL	5.0		ug/L	242082	1	05/05/2017 20:20	AR
1,4-Dichlorobenzene	BRL	5.0		ug/L	242082	1	05/05/2017 20:20	AR
2-Butanone	BRL	50		ug/L	242082	1	05/05/2017 20:20	AR
2-Hexanone	BRL	10		ug/L	242082	1	05/05/2017 20:20	AR
4-Methyl-2-pentanone	BRL	10		ug/L	242082	1	05/05/2017 20:20	AR
Acetone	BRL	50		ug/L	242082	1	05/05/2017 20:20	AR
Benzene	BRL	5.0		ug/L	242082	1	05/05/2017 20:20	AR
Bromodichloromethane	BRL	5.0		ug/L	242082	1	05/05/2017 20:20	AR
Bromoform	BRL	5.0		ug/L	242082	1	05/05/2017 20:20	AR
Bromomethane	BRL	5.0		ug/L	242082	1	05/05/2017 20:20	AR
Carbon disulfide	BRL	5.0		ug/L	242082	1	05/05/2017 20:20	AR
Carbon tetrachloride	BRL	5.0		ug/L	242082	1	05/05/2017 20:20	AR
Chlorobenzene	BRL	5.0		ug/L	242082	1	05/05/2017 20:20	AR
Chloroethane	BRL	10		ug/L	242082	1	05/05/2017 20:20	AR
Chloroform	BRL	5.0		ug/L	242082	1	05/05/2017 20:20	AR
Chloromethane	BRL	10		ug/L	242082	1	05/05/2017 20:20	AR
cis-1,2-Dichloroethene	BRL	5.0		ug/L	242082	1	05/05/2017 20:20	AR
cis-1,3-Dichloropropene	BRL	5.0		ug/L	242082	1	05/05/2017 20:20	AR
Cyclohexane	BRL	5.0		ug/L	242082	1	05/05/2017 20:20	AR
Dibromochloromethane	BRL	5.0		ug/L	242082	1	05/05/2017 20:20	AR
Dichlorodifluoromethane	BRL	10		ug/L	242082	1	05/05/2017 20:20	AR
Ethylbenzene	BRL	5.0		ug/L	242082	1	05/05/2017 20:20	AR
Freon-113	BRL	10		ug/L	242082	1	05/05/2017 20:20	AR
Isopropylbenzene	BRL	5.0		ug/L	242082	1	05/05/2017 20:20	AR
m,p-Xylene	BRL	5.0		ug/L	242082	1	05/05/2017 20:20	AR
Methyl acetate	BRL	5.0		ug/L	242082	1	05/05/2017 20:20	AR
Methyl tert-butyl ether	BRL	5.0		ug/L	242082	1	05/05/2017 20:20	AR
Methylcyclohexane	BRL	5.0		ug/L	242082	1	05/05/2017 20:20	AR
Methylene chloride	BRL	5.0		ug/L	242082	1	05/05/2017 20:20	AR
o-Xylene	BRL	5.0		ug/L	242082	1	05/05/2017 20:20	AR

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-53D
Project Name:	MTL	**Collection Date:**	4/26/2017 4:48:00 PM
Lab ID:	1704P57-031	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	242082	1	05/05/2017 20:20	AR
Tetrachloroethene	BRL	5.0		ug/L	242082	1	05/05/2017 20:20	AR
Toluene	BRL	5.0		ug/L	242082	1	05/05/2017 20:20	AR
trans-1,2-Dichloroethene	BRL	5.0		ug/L	242082	1	05/05/2017 20:20	AR
trans-1,3-Dichloropropene	BRL	5.0		ug/L	242082	1	05/05/2017 20:20	AR
Trichloroethene	BRL	5.0		ug/L	242082	1	05/05/2017 20:20	AR
Trichlorofluoromethane	BRL	5.0		ug/L	242082	1	05/05/2017 20:20	AR
Vinyl chloride	BRL	2.0		ug/L	242082	1	05/05/2017 20:20	AR
Surr: 4-Bromofluorobenzene	84.7	66.1-129		%REC	242082	1	05/05/2017 20:20	AR
Surr: Dibromofluoromethane	97.5	83.6-123		%REC	242082	1	05/05/2017 20:20	AR
Surr: Toluene-d8	90.3	81.8-118		%REC	242082	1	05/05/2017 20:20	AR

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-54D
Project Name:	MTL	**Collection Date:**	4/25/2017 6:14:00 PM
Lab ID:	1704P57-032	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	242082	1	05/05/2017 20:47	AR
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	242082	1	05/05/2017 20:47	AR
1,1,2-Trichloroethane	BRL	5.0		ug/L	242082	1	05/05/2017 20:47	AR
1,1-Dichloroethane	BRL	5.0		ug/L	242082	1	05/05/2017 20:47	AR
1,1-Dichloroethene	BRL	5.0		ug/L	242082	1	05/05/2017 20:47	AR
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	242082	1	05/05/2017 20:47	AR
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	242082	1	05/05/2017 20:47	AR
1,2-Dibromoethane	BRL	5.0		ug/L	242082	1	05/05/2017 20:47	AR
1,2-Dichlorobenzene	BRL	5.0		ug/L	242082	1	05/05/2017 20:47	AR
1,2-Dichloroethane	BRL	5.0		ug/L	242082	1	05/05/2017 20:47	AR
1,2-Dichloropropane	BRL	5.0		ug/L	242082	1	05/05/2017 20:47	AR
1,3-Dichlorobenzene	BRL	5.0		ug/L	242082	1	05/05/2017 20:47	AR
1,4-Dichlorobenzene	BRL	5.0		ug/L	242082	1	05/05/2017 20:47	AR
2-Butanone	BRL	50		ug/L	242082	1	05/05/2017 20:47	AR
2-Hexanone	BRL	10		ug/L	242082	1	05/05/2017 20:47	AR
4-Methyl-2-pentanone	BRL	10		ug/L	242082	1	05/05/2017 20:47	AR
Acetone	BRL	50		ug/L	242082	1	05/05/2017 20:47	AR
Benzene	BRL	5.0		ug/L	242082	1	05/05/2017 20:47	AR
Bromodichloromethane	BRL	5.0		ug/L	242082	1	05/05/2017 20:47	AR
Bromoform	BRL	5.0		ug/L	242082	1	05/05/2017 20:47	AR
Bromomethane	BRL	5.0		ug/L	242082	1	05/05/2017 20:47	AR
Carbon disulfide	BRL	5.0		ug/L	242082	1	05/05/2017 20:47	AR
Carbon tetrachloride	BRL	5.0		ug/L	242082	1	05/05/2017 20:47	AR
Chlorobenzene	BRL	5.0		ug/L	242082	1	05/05/2017 20:47	AR
Chloroethane	BRL	10		ug/L	242082	1	05/05/2017 20:47	AR
Chloroform	BRL	5.0		ug/L	242082	1	05/05/2017 20:47	AR
Chloromethane	BRL	10		ug/L	242082	1	05/05/2017 20:47	AR
cis-1,2-Dichloroethene	5.4	5.0		ug/L	242082	1	05/05/2017 20:47	AR
cis-1,3-Dichloropropene	BRL	5.0		ug/L	242082	1	05/05/2017 20:47	AR
Cyclohexane	BRL	5.0		ug/L	242082	1	05/05/2017 20:47	AR
Dibromochloromethane	BRL	5.0		ug/L	242082	1	05/05/2017 20:47	AR
Dichlorodifluoromethane	BRL	10		ug/L	242082	1	05/05/2017 20:47	AR
Ethylbenzene	BRL	5.0		ug/L	242082	1	05/05/2017 20:47	AR
Freon-113	BRL	10		ug/L	242082	1	05/05/2017 20:47	AR
Isopropylbenzene	BRL	5.0		ug/L	242082	1	05/05/2017 20:47	AR
m,p-Xylene	BRL	5.0		ug/L	242082	1	05/05/2017 20:47	AR
Methyl acetate	BRL	5.0		ug/L	242082	1	05/05/2017 20:47	AR
Methyl tert-butyl ether	BRL	5.0		ug/L	242082	1	05/05/2017 20:47	AR
Methylcyclohexane	BRL	5.0		ug/L	242082	1	05/05/2017 20:47	AR
Methylene chloride	BRL	5.0		ug/L	242082	1	05/05/2017 20:47	AR
o-Xylene	BRL	5.0		ug/L	242082	1	05/05/2017 20:47	AR

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-54D
Project Name:	MTL	**Collection Date:**	4/25/2017 6:14:00 PM
Lab ID:	1704P57-032	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	242082	1	05/05/2017 20:47	AR
Tetrachloroethene	BRL	5.0		ug/L	242082	1	05/05/2017 20:47	AR
Toluene	BRL	5.0		ug/L	242082	1	05/05/2017 20:47	AR
trans-1,2-Dichloroethene	BRL	5.0		ug/L	242082	1	05/05/2017 20:47	AR
trans-1,3-Dichloropropene	BRL	5.0		ug/L	242082	1	05/05/2017 20:47	AR
Trichloroethene	BRL	5.0		ug/L	242082	1	05/05/2017 20:47	AR
Trichlorofluoromethane	BRL	5.0		ug/L	242082	1	05/05/2017 20:47	AR
Vinyl chloride	14	2.0		ug/L	242082	1	05/05/2017 20:47	AR
Surr: 4-Bromofluorobenzene	85.6	66.1-129		%REC	242082	1	05/05/2017 20:47	AR
Surr: Dibromofluoromethane	104	83.6-123		%REC	242082	1	05/05/2017 20:47	AR
Surr: Toluene-d8	96.3	81.8-118		%REC	242082	1	05/05/2017 20:47	AR

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-55D
Project Name:	MTL	**Collection Date:**	4/27/2017 8:48:00 AM
Lab ID:	1704P57-033	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	242082	1	05/05/2017 21:14	AR
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	242082	1	05/05/2017 21:14	AR
1,1,2-Trichloroethane	BRL	5.0		ug/L	242082	1	05/05/2017 21:14	AR
1,1-Dichloroethane	BRL	5.0		ug/L	242082	1	05/05/2017 21:14	AR
1,1-Dichloroethene	BRL	5.0		ug/L	242082	1	05/05/2017 21:14	AR
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	242082	1	05/05/2017 21:14	AR
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	242082	1	05/05/2017 21:14	AR
1,2-Dibromoethane	BRL	5.0		ug/L	242082	1	05/05/2017 21:14	AR
1,2-Dichlorobenzene	BRL	5.0		ug/L	242082	1	05/05/2017 21:14	AR
1,2-Dichloroethane	BRL	5.0		ug/L	242082	1	05/05/2017 21:14	AR
1,2-Dichloropropane	BRL	5.0		ug/L	242082	1	05/05/2017 21:14	AR
1,3-Dichlorobenzene	BRL	5.0		ug/L	242082	1	05/05/2017 21:14	AR
1,4-Dichlorobenzene	BRL	5.0		ug/L	242082	1	05/05/2017 21:14	AR
2-Butanone	BRL	50		ug/L	242082	1	05/05/2017 21:14	AR
2-Hexanone	BRL	10		ug/L	242082	1	05/05/2017 21:14	AR
4-Methyl-2-pentanone	BRL	10		ug/L	242082	1	05/05/2017 21:14	AR
Acetone	BRL	50		ug/L	242082	1	05/05/2017 21:14	AR
Benzene	BRL	5.0		ug/L	242082	1	05/05/2017 21:14	AR
Bromodichloromethane	BRL	5.0		ug/L	242082	1	05/05/2017 21:14	AR
Bromoform	BRL	5.0		ug/L	242082	1	05/05/2017 21:14	AR
Bromomethane	BRL	5.0		ug/L	242082	1	05/05/2017 21:14	AR
Carbon disulfide	BRL	5.0		ug/L	242082	1	05/05/2017 21:14	AR
Carbon tetrachloride	BRL	5.0		ug/L	242082	1	05/05/2017 21:14	AR
Chlorobenzene	BRL	5.0		ug/L	242082	1	05/05/2017 21:14	AR
Chloroethane	BRL	10		ug/L	242082	1	05/05/2017 21:14	AR
Chloroform	BRL	5.0		ug/L	242082	1	05/05/2017 21:14	AR
Chloromethane	BRL	10		ug/L	242082	1	05/05/2017 21:14	AR
cis-1,2-Dichloroethene	9.3	5.0		ug/L	242082	1	05/05/2017 21:14	AR
cis-1,3-Dichloropropene	BRL	5.0		ug/L	242082	1	05/05/2017 21:14	AR
Cyclohexane	BRL	5.0		ug/L	242082	1	05/05/2017 21:14	AR
Dibromochloromethane	BRL	5.0		ug/L	242082	1	05/05/2017 21:14	AR
Dichlorodifluoromethane	BRL	10		ug/L	242082	1	05/05/2017 21:14	AR
Ethylbenzene	BRL	5.0		ug/L	242082	1	05/05/2017 21:14	AR
Freon-113	BRL	10		ug/L	242082	1	05/05/2017 21:14	AR
Isopropylbenzene	BRL	5.0		ug/L	242082	1	05/05/2017 21:14	AR
m,p-Xylene	BRL	5.0		ug/L	242082	1	05/05/2017 21:14	AR
Methyl acetate	BRL	5.0		ug/L	242082	1	05/05/2017 21:14	AR
Methyl tert-butyl ether	BRL	5.0		ug/L	242082	1	05/05/2017 21:14	AR
Methylcyclohexane	BRL	5.0		ug/L	242082	1	05/05/2017 21:14	AR
Methylene chloride	BRL	5.0		ug/L	242082	1	05/05/2017 21:14	AR
o-Xylene	BRL	5.0		ug/L	242082	1	05/05/2017 21:14	AR

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-55D
Project Name:	MTL	**Collection Date:**	4/27/2017 8:48:00 AM
Lab ID:	1704P57-033	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	242082	1	05/05/2017 21:14	AR
Tetrachloroethene	BRL	5.0		ug/L	242082	1	05/05/2017 21:14	AR
Toluene	BRL	5.0		ug/L	242082	1	05/05/2017 21:14	AR
trans-1,2-Dichloroethene	BRL	5.0		ug/L	242082	1	05/05/2017 21:14	AR
trans-1,3-Dichloropropene	BRL	5.0		ug/L	242082	1	05/05/2017 21:14	AR
Trichloroethene	BRL	5.0		ug/L	242082	1	05/05/2017 21:14	AR
Trichlorofluoromethane	BRL	5.0		ug/L	242082	1	05/05/2017 21:14	AR
Vinyl chloride	21	2.0		ug/L	242082	1	05/05/2017 21:14	AR
Surr: 4-Bromofluorobenzene	85.5	66.1-129		%REC	242082	1	05/05/2017 21:14	AR
Surr: Dibromofluoromethane	96.8	83.6-123		%REC	242082	1	05/05/2017 21:14	AR
Surr: Toluene-d8	89.2	81.8-118		%REC	242082	1	05/05/2017 21:14	AR

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-56D
Project Name:	MTL	**Collection Date:**	4/25/2017 5:25:00 PM
Lab ID:	1704P57-034	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	242082	1	05/05/2017 13:58	AR
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	242082	1	05/05/2017 13:58	AR
1,1,2-Trichloroethane	BRL	5.0		ug/L	242082	1	05/05/2017 13:58	AR
1,1-Dichloroethane	BRL	5.0		ug/L	242082	1	05/05/2017 13:58	AR
1,1-Dichloroethene	BRL	5.0		ug/L	242082	1	05/05/2017 13:58	AR
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	242082	1	05/05/2017 13:58	AR
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	242082	1	05/05/2017 13:58	AR
1,2-Dibromoethane	BRL	5.0		ug/L	242082	1	05/05/2017 13:58	AR
1,2-Dichlorobenzene	BRL	5.0		ug/L	242082	1	05/05/2017 13:58	AR
1,2-Dichloroethane	BRL	5.0		ug/L	242082	1	05/05/2017 13:58	AR
1,2-Dichloropropane	BRL	5.0		ug/L	242082	1	05/05/2017 13:58	AR
1,3-Dichlorobenzene	BRL	5.0		ug/L	242082	1	05/05/2017 13:58	AR
1,4-Dichlorobenzene	BRL	5.0		ug/L	242082	1	05/05/2017 13:58	AR
2-Butanone	BRL	50		ug/L	242082	1	05/05/2017 13:58	AR
2-Hexanone	BRL	10		ug/L	242082	1	05/05/2017 13:58	AR
4-Methyl-2-pentanone	BRL	10		ug/L	242082	1	05/05/2017 13:58	AR
Acetone	BRL	50		ug/L	242082	1	05/05/2017 13:58	AR
Benzene	BRL	5.0		ug/L	242082	1	05/05/2017 13:58	AR
Bromodichloromethane	BRL	5.0		ug/L	242082	1	05/05/2017 13:58	AR
Bromoform	BRL	5.0		ug/L	242082	1	05/05/2017 13:58	AR
Bromomethane	BRL	5.0		ug/L	242082	1	05/05/2017 13:58	AR
Carbon disulfide	BRL	5.0		ug/L	242082	1	05/05/2017 13:58	AR
Carbon tetrachloride	BRL	5.0		ug/L	242082	1	05/05/2017 13:58	AR
Chlorobenzene	BRL	5.0		ug/L	242082	1	05/05/2017 13:58	AR
Chloroethane	BRL	10		ug/L	242082	1	05/05/2017 13:58	AR
Chloroform	BRL	5.0		ug/L	242082	1	05/05/2017 13:58	AR
Chloromethane	BRL	10		ug/L	242082	1	05/05/2017 13:58	AR
cis-1,2-Dichloroethene	BRL	5.0		ug/L	242082	1	05/05/2017 13:58	AR
cis-1,3-Dichloropropene	BRL	5.0		ug/L	242082	1	05/05/2017 13:58	AR
Cyclohexane	BRL	5.0		ug/L	242082	1	05/05/2017 13:58	AR
Dibromochloromethane	BRL	5.0		ug/L	242082	1	05/05/2017 13:58	AR
Dichlorodifluoromethane	BRL	10		ug/L	242082	1	05/05/2017 13:58	AR
Ethylbenzene	BRL	5.0		ug/L	242082	1	05/05/2017 13:58	AR
Freon-113	BRL	10		ug/L	242082	1	05/05/2017 13:58	AR
Isopropylbenzene	BRL	5.0		ug/L	242082	1	05/05/2017 13:58	AR
m,p-Xylene	BRL	5.0		ug/L	242082	1	05/05/2017 13:58	AR
Methyl acetate	BRL	5.0		ug/L	242082	1	05/05/2017 13:58	AR
Methyl tert-butyl ether	BRL	5.0		ug/L	242082	1	05/05/2017 13:58	AR
Methylcyclohexane	BRL	5.0		ug/L	242082	1	05/05/2017 13:58	AR
Methylene chloride	BRL	5.0		ug/L	242082	1	05/05/2017 13:58	AR
o-Xylene	BRL	5.0		ug/L	242082	1	05/05/2017 13:58	AR

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-56D
Project Name:	MTL	**Collection Date:**	4/25/2017 5:25:00 PM
Lab ID:	1704P57-034	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	242082	1	05/05/2017 13:58	AR
Tetrachloroethene	BRL	5.0		ug/L	242082	1	05/05/2017 13:58	AR
Toluene	BRL	5.0		ug/L	242082	1	05/05/2017 13:58	AR
trans-1,2-Dichloroethene	BRL	5.0		ug/L	242082	1	05/05/2017 13:58	AR
trans-1,3-Dichloropropene	BRL	5.0		ug/L	242082	1	05/05/2017 13:58	AR
Trichloroethene	BRL	5.0		ug/L	242082	1	05/05/2017 13:58	AR
Trichlorofluoromethane	BRL	5.0		ug/L	242082	1	05/05/2017 13:58	AR
Vinyl chloride	BRL	2.0		ug/L	242082	1	05/05/2017 13:58	AR
Surr: 4-Bromofluorobenzene	86.4	66.1-129		%REC	242082	1	05/05/2017 13:58	AR
Surr: Dibromofluoromethane	104	83.6-123		%REC	242082	1	05/05/2017 13:58	AR
Surr: Toluene-d8	95.6	81.8-118		%REC	242082	1	05/05/2017 13:58	AR

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	PAW-3
Project Name:	MTL	**Collection Date:**	4/25/2017 10:47:00 AM
Lab ID:	1704P57-035	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	242082	1	05/08/2017 19:49	NP
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	242082	1	05/08/2017 19:49	NP
1,1,2-Trichloroethane	BRL	5.0		ug/L	242082	1	05/08/2017 19:49	NP
1,1-Dichloroethane	BRL	5.0		ug/L	242082	1	05/08/2017 19:49	NP
1,1-Dichloroethene	BRL	5.0		ug/L	242082	1	05/08/2017 19:49	NP
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	242082	1	05/08/2017 19:49	NP
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	242082	1	05/08/2017 19:49	NP
1,2-Dibromoethane	BRL	5.0		ug/L	242082	1	05/08/2017 19:49	NP
1,2-Dichlorobenzene	BRL	5.0		ug/L	242082	1	05/08/2017 19:49	NP
1,2-Dichloroethane	BRL	5.0		ug/L	242082	1	05/08/2017 19:49	NP
1,2-Dichloropropane	BRL	5.0		ug/L	242082	1	05/08/2017 19:49	NP
1,3-Dichlorobenzene	BRL	5.0		ug/L	242082	1	05/08/2017 19:49	NP
1,4-Dichlorobenzene	BRL	5.0		ug/L	242082	1	05/08/2017 19:49	NP
2-Butanone	BRL	50		ug/L	242082	1	05/08/2017 19:49	NP
2-Hexanone	BRL	10		ug/L	242082	1	05/08/2017 19:49	NP
4-Methyl-2-pentanone	BRL	10		ug/L	242082	1	05/08/2017 19:49	NP
Acetone	BRL	50		ug/L	242082	1	05/08/2017 19:49	NP
Benzene	BRL	5.0		ug/L	242082	1	05/08/2017 19:49	NP
Bromodichloromethane	BRL	5.0		ug/L	242082	1	05/08/2017 19:49	NP
Bromoform	BRL	5.0		ug/L	242082	1	05/08/2017 19:49	NP
Bromomethane	BRL	5.0		ug/L	242082	1	05/08/2017 19:49	NP
Carbon disulfide	BRL	5.0		ug/L	242082	1	05/08/2017 19:49	NP
Carbon tetrachloride	BRL	5.0		ug/L	242082	1	05/08/2017 19:49	NP
Chlorobenzene	BRL	5.0		ug/L	242082	1	05/08/2017 19:49	NP
Chloroethane	BRL	10		ug/L	242082	1	05/08/2017 19:49	NP
Chloroform	BRL	5.0		ug/L	242082	1	05/08/2017 19:49	NP
Chloromethane	BRL	10		ug/L	242082	1	05/08/2017 19:49	NP
cis-1,2-Dichloroethene	BRL	5.0		ug/L	242082	1	05/08/2017 19:49	NP
cis-1,3-Dichloropropene	BRL	5.0		ug/L	242082	1	05/08/2017 19:49	NP
Cyclohexane	BRL	5.0		ug/L	242082	1	05/08/2017 19:49	NP
Dibromochloromethane	BRL	5.0		ug/L	242082	1	05/08/2017 19:49	NP
Dichlorodifluoromethane	BRL	10		ug/L	242082	1	05/08/2017 19:49	NP
Ethylbenzene	BRL	5.0		ug/L	242082	1	05/08/2017 19:49	NP
Freon-113	BRL	10		ug/L	242082	1	05/08/2017 19:49	NP
Isopropylbenzene	BRL	5.0		ug/L	242082	1	05/08/2017 19:49	NP
m,p-Xylene	BRL	5.0		ug/L	242082	1	05/08/2017 19:49	NP
Methyl acetate	BRL	5.0		ug/L	242082	1	05/08/2017 19:49	NP
Methyl tert-butyl ether	BRL	5.0		ug/L	242082	1	05/08/2017 19:49	NP
Methylcyclohexane	BRL	5.0		ug/L	242082	1	05/08/2017 19:49	NP
Methylene chloride	BRL	5.0		ug/L	242082	1	05/08/2017 19:49	NP
o-Xylene	BRL	5.0		ug/L	242082	1	05/08/2017 19:49	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	PAW-3
Project Name:	MTL	**Collection Date:**	4/25/2017 10:47:00 AM
Lab ID:	1704P57-035	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	242082	1	05/08/2017 19:49	NP
Tetrachloroethene	BRL	5.0		ug/L	242082	1	05/08/2017 19:49	NP
Toluene	BRL	5.0		ug/L	242082	1	05/08/2017 19:49	NP
trans-1,2-Dichloroethene	BRL	5.0		ug/L	242082	1	05/08/2017 19:49	NP
trans-1,3-Dichloropropene	BRL	5.0		ug/L	242082	1	05/08/2017 19:49	NP
Trichloroethene	BRL	5.0		ug/L	242082	1	05/08/2017 19:49	NP
Trichlorofluoromethane	BRL	5.0		ug/L	242082	1	05/08/2017 19:49	NP
Vinyl chloride	BRL	2.0		ug/L	242082	1	05/08/2017 19:49	NP
Surr: 4-Bromofluorobenzene	76.7	66.1-129		%REC	242082	1	05/08/2017 19:49	NP
Surr: Dibromofluoromethane	116	83.6-123		%REC	242082	1	05/08/2017 19:49	NP
Surr: Toluene-d8	100	81.8-118		%REC	242082	1	05/08/2017 19:49	NP

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	PAW-4
Project Name:	MTL	**Collection Date:**	4/25/2017 9:50:00 AM
Lab ID:	1704P57-036	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	242082	1	05/08/2017 20:14	NP
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	242082	1	05/08/2017 20:14	NP
1,1,2-Trichloroethane	BRL	5.0		ug/L	242082	1	05/08/2017 20:14	NP
1,1-Dichloroethane	BRL	5.0		ug/L	242082	1	05/08/2017 20:14	NP
1,1-Dichloroethene	BRL	5.0		ug/L	242082	1	05/08/2017 20:14	NP
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	242082	1	05/08/2017 20:14	NP
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	242082	1	05/08/2017 20:14	NP
1,2-Dibromoethane	BRL	5.0		ug/L	242082	1	05/08/2017 20:14	NP
1,2-Dichlorobenzene	BRL	5.0		ug/L	242082	1	05/08/2017 20:14	NP
1,2-Dichloroethane	BRL	5.0		ug/L	242082	1	05/08/2017 20:14	NP
1,2-Dichloropropane	BRL	5.0		ug/L	242082	1	05/08/2017 20:14	NP
1,3-Dichlorobenzene	BRL	5.0		ug/L	242082	1	05/08/2017 20:14	NP
1,4-Dichlorobenzene	BRL	5.0		ug/L	242082	1	05/08/2017 20:14	NP
2-Butanone	BRL	50		ug/L	242082	1	05/08/2017 20:14	NP
2-Hexanone	BRL	10		ug/L	242082	1	05/08/2017 20:14	NP
4-Methyl-2-pentanone	BRL	10		ug/L	242082	1	05/08/2017 20:14	NP
Acetone	BRL	50		ug/L	242082	1	05/08/2017 20:14	NP
Benzene	BRL	5.0		ug/L	242082	1	05/08/2017 20:14	NP
Bromodichloromethane	BRL	5.0		ug/L	242082	1	05/08/2017 20:14	NP
Bromoform	BRL	5.0		ug/L	242082	1	05/08/2017 20:14	NP
Bromomethane	BRL	5.0		ug/L	242082	1	05/08/2017 20:14	NP
Carbon disulfide	BRL	5.0		ug/L	242082	1	05/08/2017 20:14	NP
Carbon tetrachloride	BRL	5.0		ug/L	242082	1	05/08/2017 20:14	NP
Chlorobenzene	BRL	5.0		ug/L	242082	1	05/08/2017 20:14	NP
Chloroethane	BRL	10		ug/L	242082	1	05/08/2017 20:14	NP
Chloroform	BRL	5.0		ug/L	242082	1	05/08/2017 20:14	NP
Chloromethane	BRL	10		ug/L	242082	1	05/08/2017 20:14	NP
cis-1,2-Dichloroethene	230	50		ug/L	242082	10	05/08/2017 15:06	NP
cis-1,3-Dichloropropene	BRL	5.0		ug/L	242082	1	05/08/2017 20:14	NP
Cyclohexane	BRL	5.0		ug/L	242082	1	05/08/2017 20:14	NP
Dibromochloromethane	BRL	5.0		ug/L	242082	1	05/08/2017 20:14	NP
Dichlorodifluoromethane	BRL	10		ug/L	242082	1	05/08/2017 20:14	NP
Ethylbenzene	BRL	5.0		ug/L	242082	1	05/08/2017 20:14	NP
Freon-113	BRL	10		ug/L	242082	1	05/08/2017 20:14	NP
Isopropylbenzene	BRL	5.0		ug/L	242082	1	05/08/2017 20:14	NP
m,p-Xylene	BRL	5.0		ug/L	242082	1	05/08/2017 20:14	NP
Methyl acetate	BRL	5.0		ug/L	242082	1	05/08/2017 20:14	NP
Methyl tert-butyl ether	BRL	5.0		ug/L	242082	1	05/08/2017 20:14	NP
Methylcyclohexane	BRL	5.0		ug/L	242082	1	05/08/2017 20:14	NP
Methylene chloride	BRL	5.0		ug/L	242082	1	05/08/2017 20:14	NP
o-Xylene	BRL	5.0		ug/L	242082	1	05/08/2017 20:14	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	PAW-4
Project Name:	MTL	**Collection Date:**	4/25/2017 9:50:00 AM
Lab ID:	1704P57-036	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	242082	1	05/08/2017 20:14	NP
Tetrachloroethene	41	5.0		ug/L	242082	1	05/08/2017 20:14	NP
Toluene	BRL	5.0		ug/L	242082	1	05/08/2017 20:14	NP
trans-1,2-Dichloroethene	BRL	5.0		ug/L	242082	1	05/08/2017 20:14	NP
trans-1,3-Dichloropropene	BRL	5.0		ug/L	242082	1	05/08/2017 20:14	NP
Trichloroethene	38	5.0		ug/L	242082	1	05/08/2017 20:14	NP
Trichlorofluoromethane	BRL	5.0		ug/L	242082	1	05/08/2017 20:14	NP
Vinyl chloride	30	2.0		ug/L	242082	1	05/08/2017 20:14	NP
Surr: 4-Bromofluorobenzene	76.5	66.1-129		%REC	242082	1	05/08/2017 20:14	NP
Surr: 4-Bromofluorobenzene	90	66.1-129		%REC	242082	10	05/08/2017 15:06	NP
Surr: Dibromofluoromethane	110	83.6-123		%REC	242082	10	05/08/2017 15:06	NP
Surr: Dibromofluoromethane	118	83.6-123		%REC	242082	1	05/08/2017 20:14	NP
Surr: Toluene-d8	99.8	81.8-118		%REC	242082	1	05/08/2017 20:14	NP
Surr: Toluene-d8	105	81.8-118		%REC	242082	10	05/08/2017 15:06	NP

Qualifiers:

*	Value exceeds maximum contaminant level
BRL	Below reporting limit
H	Holding times for preparation or analysis exceeded
N	Analyte not NELAC certified
B	Analyte detected in the associated method blank
>	Greater than Result value
E	Estimated (value above quantitation range)
S	Spike Recovery outside limits due to matrix
Narr	See case narrative
NC	Not confirmed
<	Less than Result value
J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	RW-1
Project Name:	MTL	**Collection Date:**	4/24/2017 4:05:00 PM
Lab ID:	1704P57-037	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	242082	1	05/08/2017 18:57	NP
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	242082	1	05/08/2017 18:57	NP
1,1,2-Trichloroethane	BRL	5.0		ug/L	242082	1	05/08/2017 18:57	NP
1,1-Dichloroethane	BRL	5.0		ug/L	242082	1	05/08/2017 18:57	NP
1,1-Dichloroethene	BRL	5.0		ug/L	242082	1	05/08/2017 18:57	NP
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	242082	1	05/08/2017 18:57	NP
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	242082	1	05/08/2017 18:57	NP
1,2-Dibromoethane	BRL	5.0		ug/L	242082	1	05/08/2017 18:57	NP
1,2-Dichlorobenzene	BRL	5.0		ug/L	242082	1	05/08/2017 18:57	NP
1,2-Dichloroethane	BRL	5.0		ug/L	242082	1	05/08/2017 18:57	NP
1,2-Dichloropropane	BRL	5.0		ug/L	242082	1	05/08/2017 18:57	NP
1,3-Dichlorobenzene	BRL	5.0		ug/L	242082	1	05/08/2017 18:57	NP
1,4-Dichlorobenzene	BRL	5.0		ug/L	242082	1	05/08/2017 18:57	NP
2-Butanone	BRL	50		ug/L	242082	1	05/08/2017 18:57	NP
2-Hexanone	BRL	10		ug/L	242082	1	05/08/2017 18:57	NP
4-Methyl-2-pentanone	BRL	10		ug/L	242082	1	05/08/2017 18:57	NP
Acetone	BRL	50		ug/L	242082	1	05/08/2017 18:57	NP
Benzene	BRL	5.0		ug/L	242082	1	05/08/2017 18:57	NP
Bromodichloromethane	BRL	5.0		ug/L	242082	1	05/08/2017 18:57	NP
Bromoform	BRL	5.0		ug/L	242082	1	05/08/2017 18:57	NP
Bromomethane	BRL	5.0		ug/L	242082	1	05/08/2017 18:57	NP
Carbon disulfide	BRL	5.0		ug/L	242082	1	05/08/2017 18:57	NP
Carbon tetrachloride	BRL	5.0		ug/L	242082	1	05/08/2017 18:57	NP
Chlorobenzene	BRL	5.0		ug/L	242082	1	05/08/2017 18:57	NP
Chloroethane	BRL	10		ug/L	242082	1	05/08/2017 18:57	NP
Chloroform	BRL	5.0		ug/L	242082	1	05/08/2017 18:57	NP
Chloromethane	BRL	10		ug/L	242082	1	05/08/2017 18:57	NP
cis-1,2-Dichloroethene	5.2	5.0		ug/L	242082	1	05/08/2017 18:57	NP
cis-1,3-Dichloropropene	BRL	5.0		ug/L	242082	1	05/08/2017 18:57	NP
Cyclohexane	BRL	5.0		ug/L	242082	1	05/08/2017 18:57	NP
Dibromochloromethane	BRL	5.0		ug/L	242082	1	05/08/2017 18:57	NP
Dichlorodifluoromethane	BRL	10		ug/L	242082	1	05/08/2017 18:57	NP
Ethylbenzene	BRL	5.0		ug/L	242082	1	05/08/2017 18:57	NP
Freon-113	BRL	10		ug/L	242082	1	05/08/2017 18:57	NP
Isopropylbenzene	BRL	5.0		ug/L	242082	1	05/08/2017 18:57	NP
m,p-Xylene	BRL	5.0		ug/L	242082	1	05/08/2017 18:57	NP
Methyl acetate	BRL	5.0		ug/L	242082	1	05/08/2017 18:57	NP
Methyl tert-butyl ether	BRL	5.0		ug/L	242082	1	05/08/2017 18:57	NP
Methylcyclohexane	BRL	5.0		ug/L	242082	1	05/08/2017 18:57	NP
Methylene chloride	BRL	5.0		ug/L	242082	1	05/08/2017 18:57	NP
o-Xylene	BRL	5.0		ug/L	242082	1	05/08/2017 18:57	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	RW-1
Project Name:	MTL	**Collection Date:**	4/24/2017 4:05:00 PM
Lab ID:	1704P57-037	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	242082	1	05/08/2017 18:57	NP
Tetrachloroethene	BRL	5.0		ug/L	242082	1	05/08/2017 18:57	NP
Toluene	BRL	5.0		ug/L	242082	1	05/08/2017 18:57	NP
trans-1,2-Dichloroethene	BRL	5.0		ug/L	242082	1	05/08/2017 18:57	NP
trans-1,3-Dichloropropene	BRL	5.0		ug/L	242082	1	05/08/2017 18:57	NP
Trichloroethene	BRL	5.0		ug/L	242082	1	05/08/2017 18:57	NP
Trichlorofluoromethane	BRL	5.0		ug/L	242082	1	05/08/2017 18:57	NP
Vinyl chloride	2.2	2.0		ug/L	242082	1	05/08/2017 18:57	NP
Surr: 4-Bromofluorobenzene	75.9	66.1-129		%REC	242082	1	05/08/2017 18:57	NP
Surr: Dibromofluoromethane	112	83.6-123		%REC	242082	1	05/08/2017 18:57	NP
Surr: Toluene-d8	101	81.8-118		%REC	242082	1	05/08/2017 18:57	NP

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	RW-4
Project Name:	MTL	**Collection Date:**	4/25/2017 11:45:00 AM
Lab ID:	1704P57-038	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	242082	1	05/08/2017 20:40	NP
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	242082	1	05/08/2017 20:40	NP
1,1,2-Trichloroethane	BRL	5.0		ug/L	242082	1	05/08/2017 20:40	NP
1,1-Dichloroethane	BRL	5.0		ug/L	242082	1	05/08/2017 20:40	NP
1,1-Dichloroethene	BRL	5.0		ug/L	242082	1	05/08/2017 20:40	NP
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	242082	1	05/08/2017 20:40	NP
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	242082	1	05/08/2017 20:40	NP
1,2-Dibromoethane	BRL	5.0		ug/L	242082	1	05/08/2017 20:40	NP
1,2-Dichlorobenzene	BRL	5.0		ug/L	242082	1	05/08/2017 20:40	NP
1,2-Dichloroethane	BRL	5.0		ug/L	242082	1	05/08/2017 20:40	NP
1,2-Dichloropropane	BRL	5.0		ug/L	242082	1	05/08/2017 20:40	NP
1,3-Dichlorobenzene	BRL	5.0		ug/L	242082	1	05/08/2017 20:40	NP
1,4-Dichlorobenzene	BRL	5.0		ug/L	242082	1	05/08/2017 20:40	NP
2-Butanone	BRL	50		ug/L	242082	1	05/08/2017 20:40	NP
2-Hexanone	BRL	10		ug/L	242082	1	05/08/2017 20:40	NP
4-Methyl-2-pentanone	BRL	10		ug/L	242082	1	05/08/2017 20:40	NP
Acetone	BRL	50		ug/L	242082	1	05/08/2017 20:40	NP
Benzene	BRL	5.0		ug/L	242082	1	05/08/2017 20:40	NP
Bromodichloromethane	BRL	5.0		ug/L	242082	1	05/08/2017 20:40	NP
Bromoform	BRL	5.0		ug/L	242082	1	05/08/2017 20:40	NP
Bromomethane	BRL	5.0		ug/L	242082	1	05/08/2017 20:40	NP
Carbon disulfide	BRL	5.0		ug/L	242082	1	05/08/2017 20:40	NP
Carbon tetrachloride	BRL	5.0		ug/L	242082	1	05/08/2017 20:40	NP
Chlorobenzene	BRL	5.0		ug/L	242082	1	05/08/2017 20:40	NP
Chloroethane	BRL	10		ug/L	242082	1	05/08/2017 20:40	NP
Chloroform	BRL	5.0		ug/L	242082	1	05/08/2017 20:40	NP
Chloromethane	BRL	10		ug/L	242082	1	05/08/2017 20:40	NP
cis-1,2-Dichloroethene	BRL	5.0		ug/L	242082	1	05/08/2017 20:40	NP
cis-1,3-Dichloropropene	BRL	5.0		ug/L	242082	1	05/08/2017 20:40	NP
Cyclohexane	BRL	5.0		ug/L	242082	1	05/08/2017 20:40	NP
Dibromochloromethane	BRL	5.0		ug/L	242082	1	05/08/2017 20:40	NP
Dichlorodifluoromethane	BRL	10		ug/L	242082	1	05/08/2017 20:40	NP
Ethylbenzene	BRL	5.0		ug/L	242082	1	05/08/2017 20:40	NP
Freon-113	BRL	10		ug/L	242082	1	05/08/2017 20:40	NP
Isopropylbenzene	BRL	5.0		ug/L	242082	1	05/08/2017 20:40	NP
m,p-Xylene	BRL	5.0		ug/L	242082	1	05/08/2017 20:40	NP
Methyl acetate	BRL	5.0		ug/L	242082	1	05/08/2017 20:40	NP
Methyl tert-butyl ether	BRL	5.0		ug/L	242082	1	05/08/2017 20:40	NP
Methylcyclohexane	BRL	5.0		ug/L	242082	1	05/08/2017 20:40	NP
Methylene chloride	BRL	5.0		ug/L	242082	1	05/08/2017 20:40	NP
o-Xylene	BRL	5.0		ug/L	242082	1	05/08/2017 20:40	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	RW-4
Project Name:	MTL	**Collection Date:**	4/25/2017 11:45:00 AM
Lab ID:	1704P57-038	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	242082	1	05/08/2017 20:40	NP
Tetrachloroethene	BRL	5.0		ug/L	242082	1	05/08/2017 20:40	NP
Toluene	BRL	5.0		ug/L	242082	1	05/08/2017 20:40	NP
trans-1,2-Dichloroethene	BRL	5.0		ug/L	242082	1	05/08/2017 20:40	NP
trans-1,3-Dichloropropene	BRL	5.0		ug/L	242082	1	05/08/2017 20:40	NP
Trichloroethene	BRL	5.0		ug/L	242082	1	05/08/2017 20:40	NP
Trichlorofluoromethane	BRL	5.0		ug/L	242082	1	05/08/2017 20:40	NP
Vinyl chloride	BRL	2.0		ug/L	242082	1	05/08/2017 20:40	NP
Surr: 4-Bromofluorobenzene	76.2	66.1-129		%REC	242082	1	05/08/2017 20:40	NP
Surr: Dibromofluoromethane	116	83.6-123		%REC	242082	1	05/08/2017 20:40	NP
Surr: Toluene-d8	101	81.8-118		%REC	242082	1	05/08/2017 20:40	NP

Qualifiers:

* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
BRL Below reporting limit	S Spike Recovery outside limits due to matrix
H Holding times for preparation or analysis exceeded	Narr See case narrative
N Analyte not NELAC certified	NC Not confirmed
B Analyte detected in the associated method blank	< Less than Result value
> Greater than Result value	J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	RW-8
Project Name:	MTL	**Collection Date:**	4/27/2017 8:36:00 AM
Lab ID:	1704P57-039	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	242140	1	05/05/2017 01:52	NP
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	242140	1	05/05/2017 01:52	NP
1,1,2-Trichloroethane	BRL	5.0		ug/L	242140	1	05/05/2017 01:52	NP
1,1-Dichloroethane	BRL	5.0		ug/L	242140	1	05/05/2017 01:52	NP
1,1-Dichloroethene	13	5.0		ug/L	242140	1	05/05/2017 01:52	NP
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	242140	1	05/05/2017 01:52	NP
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	242140	1	05/05/2017 01:52	NP
1,2-Dibromoethane	BRL	5.0		ug/L	242140	1	05/05/2017 01:52	NP
1,2-Dichlorobenzene	BRL	5.0		ug/L	242140	1	05/05/2017 01:52	NP
1,2-Dichloroethane	BRL	5.0		ug/L	242140	1	05/05/2017 01:52	NP
1,2-Dichloropropane	BRL	5.0		ug/L	242140	1	05/05/2017 01:52	NP
1,3-Dichlorobenzene	BRL	5.0		ug/L	242140	1	05/05/2017 01:52	NP
1,4-Dichlorobenzene	BRL	5.0		ug/L	242140	1	05/05/2017 01:52	NP
2-Butanone	BRL	50		ug/L	242140	1	05/05/2017 01:52	NP
2-Hexanone	BRL	10		ug/L	242140	1	05/05/2017 01:52	NP
4-Methyl-2-pentanone	BRL	10		ug/L	242140	1	05/05/2017 01:52	NP
Acetone	BRL	50		ug/L	242140	1	05/05/2017 01:52	NP
Benzene	BRL	5.0		ug/L	242140	1	05/05/2017 01:52	NP
Bromodichloromethane	BRL	5.0		ug/L	242140	1	05/05/2017 01:52	NP
Bromoform	BRL	5.0		ug/L	242140	1	05/05/2017 01:52	NP
Bromomethane	BRL	5.0		ug/L	242140	1	05/05/2017 01:52	NP
Carbon disulfide	BRL	5.0		ug/L	242140	1	05/05/2017 01:52	NP
Carbon tetrachloride	BRL	5.0		ug/L	242140	1	05/05/2017 01:52	NP
Chlorobenzene	BRL	5.0		ug/L	242140	1	05/05/2017 01:52	NP
Chloroethane	BRL	10		ug/L	242140	1	05/05/2017 01:52	NP
Chloroform	BRL	5.0		ug/L	242140	1	05/05/2017 01:52	NP
Chloromethane	BRL	10		ug/L	242140	1	05/05/2017 01:52	NP
cis-1,2-Dichloroethene	2500	100		ug/L	242140	20	05/05/2017 11:04	NP
cis-1,3-Dichloropropene	BRL	5.0		ug/L	242140	1	05/05/2017 01:52	NP
Cyclohexane	BRL	5.0		ug/L	242140	1	05/05/2017 01:52	NP
Dibromochloromethane	BRL	5.0		ug/L	242140	1	05/05/2017 01:52	NP
Dichlorodifluoromethane	BRL	10		ug/L	242140	1	05/05/2017 01:52	NP
Ethylbenzene	BRL	5.0		ug/L	242140	1	05/05/2017 01:52	NP
Freon-113	BRL	10		ug/L	242140	1	05/05/2017 01:52	NP
Isopropylbenzene	BRL	5.0		ug/L	242140	1	05/05/2017 01:52	NP
m,p-Xylene	BRL	5.0		ug/L	242140	1	05/05/2017 01:52	NP
Methyl acetate	BRL	5.0		ug/L	242140	1	05/05/2017 01:52	NP
Methyl tert-butyl ether	BRL	5.0		ug/L	242140	1	05/05/2017 01:52	NP
Methylcyclohexane	BRL	5.0		ug/L	242140	1	05/05/2017 01:52	NP
Methylene chloride	BRL	5.0		ug/L	242140	1	05/05/2017 01:52	NP
o-Xylene	BRL	5.0		ug/L	242140	1	05/05/2017 01:52	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	RW-8
Project Name:	MTL	**Collection Date:**	4/27/2017 8:36:00 AM
Lab ID:	1704P57-039	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	242140	1	05/05/2017 01:52	NP
Tetrachloroethene	BRL	5.0		ug/L	242140	1	05/05/2017 01:52	NP
Toluene	BRL	5.0		ug/L	242140	1	05/05/2017 01:52	NP
trans-1,2-Dichloroethene	9.4	5.0		ug/L	242140	1	05/05/2017 01:52	NP
trans-1,3-Dichloropropene	BRL	5.0		ug/L	242140	1	05/05/2017 01:52	NP
Trichloroethene	BRL	5.0		ug/L	242140	1	05/05/2017 01:52	NP
Trichlorofluoromethane	BRL	5.0		ug/L	242140	1	05/05/2017 01:52	NP
Vinyl chloride	210	40		ug/L	242140	20	05/05/2017 11:04	NP
Surr: 4-Bromofluorobenzene	72	66.1-129		%REC	242140	1	05/05/2017 01:52	NP
Surr: 4-Bromofluorobenzene	74.9	66.1-129		%REC	242140	20	05/05/2017 11:04	NP
Surr: Dibromofluoromethane	114	83.6-123		%REC	242140	20	05/05/2017 11:04	NP
Surr: Dibromofluoromethane	116	83.6-123		%REC	242140	1	05/05/2017 01:52	NP
Surr: Toluene-d8	101	81.8-118		%REC	242140	20	05/05/2017 11:04	NP
Surr: Toluene-d8	99.5	81.8-118		%REC	242140	1	05/05/2017 01:52	NP

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	RW-9
Project Name:	MTL	**Collection Date:**	4/25/2017 4:18:00 PM
Lab ID:	1704P57-040	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	242140	1	05/05/2017 09:51	NP
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	242140	1	05/05/2017 09:51	NP
1,1,2-Trichloroethane	BRL	5.0		ug/L	242140	1	05/05/2017 09:51	NP
1,1-Dichloroethane	BRL	5.0		ug/L	242140	1	05/05/2017 09:51	NP
1,1-Dichloroethene	BRL	5.0		ug/L	242140	1	05/05/2017 09:51	NP
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	242140	1	05/05/2017 09:51	NP
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	242140	1	05/05/2017 09:51	NP
1,2-Dibromoethane	BRL	5.0		ug/L	242140	1	05/05/2017 09:51	NP
1,2-Dichlorobenzene	BRL	5.0		ug/L	242140	1	05/05/2017 09:51	NP
1,2-Dichloroethane	BRL	5.0		ug/L	242140	1	05/05/2017 09:51	NP
1,2-Dichloropropane	BRL	5.0		ug/L	242140	1	05/05/2017 09:51	NP
1,3-Dichlorobenzene	BRL	5.0		ug/L	242140	1	05/05/2017 09:51	NP
1,4-Dichlorobenzene	BRL	5.0		ug/L	242140	1	05/05/2017 09:51	NP
2-Butanone	BRL	50		ug/L	242140	1	05/05/2017 09:51	NP
2-Hexanone	BRL	10		ug/L	242140	1	05/05/2017 09:51	NP
4-Methyl-2-pentanone	BRL	10		ug/L	242140	1	05/05/2017 09:51	NP
Acetone	BRL	50		ug/L	242140	1	05/05/2017 09:51	NP
Benzene	BRL	5.0		ug/L	242140	1	05/05/2017 09:51	NP
Bromodichloromethane	BRL	5.0		ug/L	242140	1	05/05/2017 09:51	NP
Bromoform	BRL	5.0		ug/L	242140	1	05/05/2017 09:51	NP
Bromomethane	BRL	5.0		ug/L	242140	1	05/05/2017 09:51	NP
Carbon disulfide	BRL	5.0		ug/L	242140	1	05/05/2017 09:51	NP
Carbon tetrachloride	BRL	5.0		ug/L	242140	1	05/05/2017 09:51	NP
Chlorobenzene	BRL	5.0		ug/L	242140	1	05/05/2017 09:51	NP
Chloroethane	BRL	10		ug/L	242140	1	05/05/2017 09:51	NP
Chloroform	BRL	5.0		ug/L	242140	1	05/05/2017 09:51	NP
Chloromethane	BRL	10		ug/L	242140	1	05/05/2017 09:51	NP
cis-1,2-Dichloroethene	590	50		ug/L	242140	10	05/05/2017 10:38	NP
cis-1,3-Dichloropropene	BRL	5.0		ug/L	242140	1	05/05/2017 09:51	NP
Cyclohexane	BRL	5.0		ug/L	242140	1	05/05/2017 09:51	NP
Dibromochloromethane	BRL	5.0		ug/L	242140	1	05/05/2017 09:51	NP
Dichlorodifluoromethane	BRL	10		ug/L	242140	1	05/05/2017 09:51	NP
Ethylbenzene	BRL	5.0		ug/L	242140	1	05/05/2017 09:51	NP
Freon-113	BRL	10		ug/L	242140	1	05/05/2017 09:51	NP
Isopropylbenzene	BRL	5.0		ug/L	242140	1	05/05/2017 09:51	NP
m,p-Xylene	BRL	5.0		ug/L	242140	1	05/05/2017 09:51	NP
Methyl acetate	BRL	5.0		ug/L	242140	1	05/05/2017 09:51	NP
Methyl tert-butyl ether	BRL	5.0		ug/L	242140	1	05/05/2017 09:51	NP
Methylcyclohexane	BRL	5.0		ug/L	242140	1	05/05/2017 09:51	NP
Methylene chloride	BRL	5.0		ug/L	242140	1	05/05/2017 09:51	NP
o-Xylene	BRL	5.0		ug/L	242140	1	05/05/2017 09:51	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	RW-9
Project Name:	MTL	**Collection Date:**	4/25/2017 4:18:00 PM
Lab ID:	1704P57-040	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	242140	1	05/05/2017 09:51	NP
Tetrachloroethene	BRL	5.0		ug/L	242140	1	05/05/2017 09:51	NP
Toluene	BRL	5.0		ug/L	242140	1	05/05/2017 09:51	NP
trans-1,2-Dichloroethene	BRL	5.0		ug/L	242140	1	05/05/2017 09:51	NP
trans-1,3-Dichloropropene	BRL	5.0		ug/L	242140	1	05/05/2017 09:51	NP
Trichloroethene	BRL	5.0		ug/L	242140	1	05/05/2017 09:51	NP
Trichlorofluoromethane	BRL	5.0		ug/L	242140	1	05/05/2017 09:51	NP
Vinyl chloride	150	2.0		ug/L	242140	1	05/05/2017 09:51	NP
Surr: 4-Bromofluorobenzene	75.1	66.1-129		%REC	242140	1	05/05/2017 09:51	NP
Surr: 4-Bromofluorobenzene	74.9	66.1-129		%REC	242140	10	05/05/2017 10:38	NP
Surr: Dibromofluoromethane	112	83.6-123		%REC	242140	10	05/05/2017 10:38	NP
Surr: Dibromofluoromethane	115	83.6-123		%REC	242140	1	05/05/2017 09:51	NP
Surr: Toluene-d8	98.6	81.8-118		%REC	242140	1	05/05/2017 09:51	NP
Surr: Toluene-d8	98.3	81.8-118		%REC	242140	10	05/05/2017 10:38	NP

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	AOC6-SD3-35N-15W
Project Name:	MTL	**Collection Date:**	4/28/2017 8:23:00 AM
Lab ID:	1704P57-041	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	4.3		ug/Kg-dry	241949	1	05/03/2017 16:28	MD
1,1,2,2-Tetrachloroethane	BRL	4.3		ug/Kg-dry	241949	1	05/03/2017 16:28	MD
1,1,2-Trichloroethane	BRL	4.3		ug/Kg-dry	241949	1	05/03/2017 16:28	MD
1,1-Dichloroethane	BRL	4.3		ug/Kg-dry	241949	1	05/03/2017 16:28	MD
1,1-Dichloroethene	BRL	4.3		ug/Kg-dry	241949	1	05/03/2017 16:28	MD
1,2,4-Trichlorobenzene	BRL	4.3		ug/Kg-dry	241949	1	05/03/2017 16:28	MD
1,2-Dibromo-3-chloropropane	BRL	4.3		ug/Kg-dry	241949	1	05/03/2017 16:28	MD
1,2-Dibromoethane	BRL	4.3		ug/Kg-dry	241949	1	05/03/2017 16:28	MD
1,2-Dichlorobenzene	BRL	4.3		ug/Kg-dry	241949	1	05/03/2017 16:28	MD
1,2-Dichloroethane	BRL	4.3		ug/Kg-dry	241949	1	05/03/2017 16:28	MD
1,2-Dichloropropane	BRL	4.3		ug/Kg-dry	241949	1	05/03/2017 16:28	MD
1,3-Dichlorobenzene	BRL	4.3		ug/Kg-dry	241949	1	05/03/2017 16:28	MD
1,4-Dichlorobenzene	BRL	4.3		ug/Kg-dry	241949	1	05/03/2017 16:28	MD
2-Butanone	BRL	43		ug/Kg-dry	241949	1	05/03/2017 16:28	MD
2-Hexanone	BRL	8.5		ug/Kg-dry	241949	1	05/03/2017 16:28	MD
4-Methyl-2-pentanone	BRL	8.5		ug/Kg-dry	241949	1	05/03/2017 16:28	MD
Acetone	BRL	85		ug/Kg-dry	241949	1	05/03/2017 16:28	MD
Benzene	BRL	4.3		ug/Kg-dry	241949	1	05/03/2017 16:28	MD
Bromodichloromethane	BRL	4.3		ug/Kg-dry	241949	1	05/03/2017 16:28	MD
Bromoform	BRL	4.3		ug/Kg-dry	241949	1	05/03/2017 16:28	MD
Bromomethane	BRL	4.3		ug/Kg-dry	241949	1	05/03/2017 16:28	MD
Carbon disulfide	BRL	8.5		ug/Kg-dry	241949	1	05/03/2017 16:28	MD
Carbon tetrachloride	BRL	4.3		ug/Kg-dry	241949	1	05/03/2017 16:28	MD
Chlorobenzene	BRL	4.3		ug/Kg-dry	241949	1	05/03/2017 16:28	MD
Chloroethane	BRL	8.5		ug/Kg-dry	241949	1	05/03/2017 16:28	MD
Chloroform	BRL	4.3		ug/Kg-dry	241949	1	05/03/2017 16:28	MD
Chloromethane	BRL	8.5		ug/Kg-dry	241949	1	05/03/2017 16:28	MD
cis-1,2-Dichloroethene	660	640		ug/Kg-dry	242009	50	05/04/2017 06:20	NH
cis-1,3-Dichloropropene	BRL	4.3		ug/Kg-dry	241949	1	05/03/2017 16:28	MD
Cyclohexane	BRL	4.3		ug/Kg-dry	241949	1	05/03/2017 16:28	MD
Dibromochloromethane	BRL	4.3		ug/Kg-dry	241949	1	05/03/2017 16:28	MD
Dichlorodifluoromethane	BRL	8.5		ug/Kg-dry	241949	1	05/03/2017 16:28	MD
Ethylbenzene	BRL	4.3		ug/Kg-dry	241949	1	05/03/2017 16:28	MD
Freon-113	BRL	8.5		ug/Kg-dry	241949	1	05/03/2017 16:28	MD
Isopropylbenzene	BRL	4.3		ug/Kg-dry	241949	1	05/03/2017 16:28	MD
m,p-Xylene	BRL	4.3		ug/Kg-dry	241949	1	05/03/2017 16:28	MD
Methyl acetate	BRL	4.3		ug/Kg-dry	241949	1	05/03/2017 16:28	MD
Methyl tert-butyl ether	BRL	4.3		ug/Kg-dry	241949	1	05/03/2017 16:28	MD
Methylcyclohexane	BRL	4.3		ug/Kg-dry	241949	1	05/03/2017 16:28	MD
Methylene chloride	BRL	17		ug/Kg-dry	241949	1	05/03/2017 16:28	MD
o-Xylene	BRL	4.3		ug/Kg-dry	241949	1	05/03/2017 16:28	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	AOC6-SD3-35N-15W
Project Name:	MTL	**Collection Date:**	4/28/2017 8:23:00 AM
Lab ID:	1704P57-041	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Styrene	BRL	4.3		ug/Kg-dry	241949	1	05/03/2017 16:28	MD
Tetrachloroethene	1600	800		ug/Kg-dry	242009	50	05/04/2017 06:20	NH
Toluene	BRL	4.3		ug/Kg-dry	241949	1	05/03/2017 16:28	MD
trans-1,2-Dichloroethene	23	4.3		ug/Kg-dry	241949	1	05/03/2017 16:28	MD
trans-1,3-Dichloropropene	BRL	4.3		ug/Kg-dry	241949	1	05/03/2017 16:28	MD
Trichloroethene	89	4.3		ug/Kg-dry	241949	1	05/03/2017 16:28	MD
Trichlorofluoromethane	BRL	4.3		ug/Kg-dry	241949	1	05/03/2017 16:28	MD
Vinyl chloride	BRL	8.5		ug/Kg-dry	241949	1	05/03/2017 16:28	MD
Surr: 4-Bromofluorobenzene	63.7	63-125		%REC	241949	1	05/03/2017 16:28	MD
Surr: 4-Bromofluorobenzene	91.7	63-125		%REC	242009	50	05/04/2017 06:20	NH
Surr: Dibromofluoromethane	87.6	69.9-123		%REC	241949	1	05/03/2017 16:28	MD
Surr: Dibromofluoromethane	94.5	69.9-123		%REC	242009	50	05/04/2017 06:20	NH
Surr: Toluene-d8	86.3	70-122		%REC	241949	1	05/03/2017 16:28	MD
Surr: Toluene-d8	100	70-122		%REC	242009	50	05/04/2017 06:20	NH
PERCENT MOISTURE D2216								
Percent Moisture	21.4	0		wt%	R342410	1	05/05/2017 08:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	AOC6-SD3-45N-15W
Project Name:	MTL	**Collection Date:**	4/28/2017 8:38:00 AM
Lab ID:	1704P57-042	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	5.3		ug/Kg-dry	241949	1	05/03/2017 16:52	MD
1,1,2,2-Tetrachloroethane	BRL	5.3		ug/Kg-dry	241949	1	05/03/2017 16:52	MD
1,1,2-Trichloroethane	BRL	5.3		ug/Kg-dry	241949	1	05/03/2017 16:52	MD
1,1-Dichloroethane	BRL	5.3		ug/Kg-dry	241949	1	05/03/2017 16:52	MD
1,1-Dichloroethene	BRL	5.3		ug/Kg-dry	241949	1	05/03/2017 16:52	MD
1,2,4-Trichlorobenzene	BRL	5.3		ug/Kg-dry	241949	1	05/03/2017 16:52	MD
1,2-Dibromo-3-chloropropane	BRL	5.3		ug/Kg-dry	241949	1	05/03/2017 16:52	MD
1,2-Dibromoethane	BRL	5.3		ug/Kg-dry	241949	1	05/03/2017 16:52	MD
1,2-Dichlorobenzene	BRL	5.3		ug/Kg-dry	241949	1	05/03/2017 16:52	MD
1,2-Dichloroethane	BRL	5.3		ug/Kg-dry	241949	1	05/03/2017 16:52	MD
1,2-Dichloropropane	BRL	5.3		ug/Kg-dry	241949	1	05/03/2017 16:52	MD
1,3-Dichlorobenzene	BRL	5.3		ug/Kg-dry	241949	1	05/03/2017 16:52	MD
1,4-Dichlorobenzene	BRL	5.3		ug/Kg-dry	241949	1	05/03/2017 16:52	MD
2-Butanone	BRL	53		ug/Kg-dry	241949	1	05/03/2017 16:52	MD
2-Hexanone	BRL	11		ug/Kg-dry	241949	1	05/03/2017 16:52	MD
4-Methyl-2-pentanone	BRL	11		ug/Kg-dry	241949	1	05/03/2017 16:52	MD
Acetone	BRL	110		ug/Kg-dry	241949	1	05/03/2017 16:52	MD
Benzene	BRL	5.3		ug/Kg-dry	241949	1	05/03/2017 16:52	MD
Bromodichloromethane	BRL	5.3		ug/Kg-dry	241949	1	05/03/2017 16:52	MD
Bromoform	BRL	5.3		ug/Kg-dry	241949	1	05/03/2017 16:52	MD
Bromomethane	BRL	5.3		ug/Kg-dry	241949	1	05/03/2017 16:52	MD
Carbon disulfide	BRL	11		ug/Kg-dry	241949	1	05/03/2017 16:52	MD
Carbon tetrachloride	BRL	5.3		ug/Kg-dry	241949	1	05/03/2017 16:52	MD
Chlorobenzene	BRL	5.3		ug/Kg-dry	241949	1	05/03/2017 16:52	MD
Chloroethane	BRL	11		ug/Kg-dry	241949	1	05/03/2017 16:52	MD
Chloroform	BRL	5.3		ug/Kg-dry	241949	1	05/03/2017 16:52	MD
Chloromethane	BRL	11		ug/Kg-dry	241949	1	05/03/2017 16:52	MD
cis-1,2-Dichloroethene	BRL	5.3		ug/Kg-dry	241949	1	05/03/2017 16:52	MD
cis-1,3-Dichloropropene	BRL	5.3		ug/Kg-dry	241949	1	05/03/2017 16:52	MD
Cyclohexane	BRL	5.3		ug/Kg-dry	241949	1	05/03/2017 16:52	MD
Dibromochloromethane	BRL	5.3		ug/Kg-dry	241949	1	05/03/2017 16:52	MD
Dichlorodifluoromethane	BRL	11		ug/Kg-dry	241949	1	05/03/2017 16:52	MD
Ethylbenzene	BRL	5.3		ug/Kg-dry	241949	1	05/03/2017 16:52	MD
Freon-113	BRL	11		ug/Kg-dry	241949	1	05/03/2017 16:52	MD
Isopropylbenzene	BRL	5.3		ug/Kg-dry	241949	1	05/03/2017 16:52	MD
m,p-Xylene	BRL	5.3		ug/Kg-dry	241949	1	05/03/2017 16:52	MD
Methyl acetate	BRL	5.3		ug/Kg-dry	241949	1	05/03/2017 16:52	MD
Methyl tert-butyl ether	BRL	5.3		ug/Kg-dry	241949	1	05/03/2017 16:52	MD
Methylcyclohexane	BRL	5.3		ug/Kg-dry	241949	1	05/03/2017 16:52	MD
Methylene chloride	BRL	21		ug/Kg-dry	241949	1	05/03/2017 16:52	MD
o-Xylene	BRL	5.3		ug/Kg-dry	241949	1	05/03/2017 16:52	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	AOC6-SD3-45N-15W
Project Name:	MTL	**Collection Date:**	4/28/2017 8:38:00 AM
Lab ID:	1704P57-042	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B (SW5035)								
Styrene	BRL	5.3		ug/Kg-dry	241949	1	05/03/2017 16:52	MD
Tetrachloroethene	BRL	5.3		ug/Kg-dry	241949	1	05/03/2017 16:52	MD
Toluene	BRL	5.3		ug/Kg-dry	241949	1	05/03/2017 16:52	MD
trans-1,2-Dichloroethene	BRL	5.3		ug/Kg-dry	241949	1	05/03/2017 16:52	MD
trans-1,3-Dichloropropene	BRL	5.3		ug/Kg-dry	241949	1	05/03/2017 16:52	MD
Trichloroethene	BRL	5.3		ug/Kg-dry	241949	1	05/03/2017 16:52	MD
Trichlorofluoromethane	BRL	5.3		ug/Kg-dry	241949	1	05/03/2017 16:52	MD
Vinyl chloride	BRL	11		ug/Kg-dry	241949	1	05/03/2017 16:52	MD
Surr: 4-Bromofluorobenzene	77.8	63-125		%REC	241949	1	05/03/2017 16:52	MD
Surr: Dibromofluoromethane	82.6	69.9-123		%REC	241949	1	05/03/2017 16:52	MD
Surr: Toluene-d8	86.7	70-122		%REC	241949	1	05/03/2017 16:52	MD
PERCENT MOISTURE D2216								
Percent Moisture	28.8	0		wt%	R342410	1	05/05/2017 08:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	AOC6-SD3-25N-15W
Project Name:	MTL	**Collection Date:**	4/28/2017 8:50:00 AM
Lab ID:	1704P57-043	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	4.1		ug/Kg-dry	241949	1	05/03/2017 17:51	MD
1,1,2,2-Tetrachloroethane	BRL	4.1		ug/Kg-dry	241949	1	05/03/2017 17:51	MD
1,1,2-Trichloroethane	BRL	4.1		ug/Kg-dry	241949	1	05/03/2017 17:51	MD
1,1-Dichloroethane	BRL	4.1		ug/Kg-dry	241949	1	05/03/2017 17:51	MD
1,1-Dichloroethene	BRL	4.1		ug/Kg-dry	241949	1	05/03/2017 17:51	MD
1,2,4-Trichlorobenzene	BRL	4.1		ug/Kg-dry	241949	1	05/03/2017 17:51	MD
1,2-Dibromo-3-chloropropane	BRL	4.1		ug/Kg-dry	241949	1	05/03/2017 17:51	MD
1,2-Dibromoethane	BRL	4.1		ug/Kg-dry	241949	1	05/03/2017 17:51	MD
1,2-Dichlorobenzene	BRL	4.1		ug/Kg-dry	241949	1	05/03/2017 17:51	MD
1,2-Dichloroethane	BRL	4.1		ug/Kg-dry	241949	1	05/03/2017 17:51	MD
1,2-Dichloropropane	BRL	4.1		ug/Kg-dry	241949	1	05/03/2017 17:51	MD
1,3-Dichlorobenzene	BRL	4.1		ug/Kg-dry	241949	1	05/03/2017 17:51	MD
1,4-Dichlorobenzene	BRL	4.1		ug/Kg-dry	241949	1	05/03/2017 17:51	MD
2-Butanone	BRL	41		ug/Kg-dry	241949	1	05/03/2017 17:51	MD
2-Hexanone	BRL	8.1		ug/Kg-dry	241949	1	05/03/2017 17:51	MD
4-Methyl-2-pentanone	BRL	8.1		ug/Kg-dry	241949	1	05/03/2017 17:51	MD
Acetone	BRL	81		ug/Kg-dry	241949	1	05/03/2017 17:51	MD
Benzene	BRL	4.1		ug/Kg-dry	241949	1	05/03/2017 17:51	MD
Bromodichloromethane	BRL	4.1		ug/Kg-dry	241949	1	05/03/2017 17:51	MD
Bromoform	BRL	4.1		ug/Kg-dry	241949	1	05/03/2017 17:51	MD
Bromomethane	BRL	4.1		ug/Kg-dry	241949	1	05/03/2017 17:51	MD
Carbon disulfide	BRL	8.1		ug/Kg-dry	241949	1	05/03/2017 17:51	MD
Carbon tetrachloride	BRL	4.1		ug/Kg-dry	241949	1	05/03/2017 17:51	MD
Chlorobenzene	BRL	4.1		ug/Kg-dry	241949	1	05/03/2017 17:51	MD
Chloroethane	BRL	8.1		ug/Kg-dry	241949	1	05/03/2017 17:51	MD
Chloroform	BRL	4.1		ug/Kg-dry	241949	1	05/03/2017 17:51	MD
Chloromethane	BRL	8.1		ug/Kg-dry	241949	1	05/03/2017 17:51	MD
cis-1,2-Dichloroethene	81	4.1		ug/Kg-dry	241949	1	05/03/2017 17:51	MD
cis-1,3-Dichloropropene	BRL	4.1		ug/Kg-dry	241949	1	05/03/2017 17:51	MD
Cyclohexane	BRL	4.1		ug/Kg-dry	241949	1	05/03/2017 17:51	MD
Dibromochloromethane	BRL	4.1		ug/Kg-dry	241949	1	05/03/2017 17:51	MD
Dichlorodifluoromethane	BRL	8.1		ug/Kg-dry	241949	1	05/03/2017 17:51	MD
Ethylbenzene	BRL	4.1		ug/Kg-dry	241949	1	05/03/2017 17:51	MD
Freon-113	BRL	8.1		ug/Kg-dry	241949	1	05/03/2017 17:51	MD
Isopropylbenzene	BRL	4.1		ug/Kg-dry	241949	1	05/03/2017 17:51	MD
m,p-Xylene	BRL	4.1		ug/Kg-dry	241949	1	05/03/2017 17:51	MD
Methyl acetate	BRL	4.1		ug/Kg-dry	241949	1	05/03/2017 17:51	MD
Methyl tert-butyl ether	BRL	4.1		ug/Kg-dry	241949	1	05/03/2017 17:51	MD
Methylcyclohexane	BRL	4.1		ug/Kg-dry	241949	1	05/03/2017 17:51	MD
Methylene chloride	BRL	16		ug/Kg-dry	241949	1	05/03/2017 17:51	MD
o-Xylene	BRL	4.1		ug/Kg-dry	241949	1	05/03/2017 17:51	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	AOC6-SD3-25N-15W
Project Name:	MTL	**Collection Date:**	4/28/2017 8:50:00 AM
Lab ID:	1704P57-043	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Styrene	BRL	4.1		ug/Kg-dry	241949	1	05/03/2017 17:51	MD
Tetrachloroethene	1900	260		ug/Kg-dry	242009	50	05/04/2017 06:46	NH
Toluene	BRL	4.1		ug/Kg-dry	241949	1	05/03/2017 17:51	MD
trans-1,2-Dichloroethene	BRL	4.1		ug/Kg-dry	241949	1	05/03/2017 17:51	MD
trans-1,3-Dichloropropene	BRL	4.1		ug/Kg-dry	241949	1	05/03/2017 17:51	MD
Trichloroethene	32	4.1		ug/Kg-dry	241949	1	05/03/2017 17:51	MD
Trichlorofluoromethane	BRL	4.1		ug/Kg-dry	241949	1	05/03/2017 17:51	MD
Vinyl chloride	BRL	8.1		ug/Kg-dry	241949	1	05/03/2017 17:51	MD
Surr: 4-Bromofluorobenzene	92.6	63-125		%REC	242009	50	05/04/2017 06:46	NH
Surr: 4-Bromofluorobenzene	65.7	63-125		%REC	241949	1	05/03/2017 17:51	MD
Surr: Dibromofluoromethane	94.6	69.9-123		%REC	242009	50	05/04/2017 06:46	NH
Surr: Dibromofluoromethane	88.3	69.9-123		%REC	241949	1	05/03/2017 17:51	MD
Surr: Toluene-d8	98.8	70-122		%REC	242009	50	05/04/2017 06:46	NH
Surr: Toluene-d8	82.4	70-122		%REC	241949	1	05/03/2017 17:51	MD
PERCENT MOISTURE D2216								
Percent Moisture	22.1	0		wt%	R342410	1	05/05/2017 08:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	AOC6-SD3-10N-15W
Project Name:	MTL	**Collection Date:**	4/28/2017 9:03:00 AM
Lab ID:	1704P57-044	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	3.8		ug/Kg-dry	241949	1	05/03/2017 21:51	MD
1,1,2,2-Tetrachloroethane	BRL	3.8		ug/Kg-dry	241949	1	05/03/2017 21:51	MD
1,1,2-Trichloroethane	BRL	3.8		ug/Kg-dry	241949	1	05/03/2017 21:51	MD
1,1-Dichloroethane	BRL	3.8		ug/Kg-dry	241949	1	05/03/2017 21:51	MD
1,1-Dichloroethene	BRL	3.8		ug/Kg-dry	241949	1	05/03/2017 21:51	MD
1,2,4-Trichlorobenzene	BRL	3.8		ug/Kg-dry	241949	1	05/03/2017 21:51	MD
1,2-Dibromo-3-chloropropane	BRL	3.8		ug/Kg-dry	241949	1	05/03/2017 21:51	MD
1,2-Dibromoethane	BRL	3.8		ug/Kg-dry	241949	1	05/03/2017 21:51	MD
1,2-Dichlorobenzene	BRL	3.8		ug/Kg-dry	241949	1	05/03/2017 21:51	MD
1,2-Dichloroethane	BRL	3.8		ug/Kg-dry	241949	1	05/03/2017 21:51	MD
1,2-Dichloropropane	BRL	3.8		ug/Kg-dry	241949	1	05/03/2017 21:51	MD
1,3-Dichlorobenzene	BRL	3.8		ug/Kg-dry	241949	1	05/03/2017 21:51	MD
1,4-Dichlorobenzene	BRL	3.8		ug/Kg-dry	241949	1	05/03/2017 21:51	MD
2-Butanone	BRL	38		ug/Kg-dry	241949	1	05/03/2017 21:51	MD
2-Hexanone	BRL	7.6		ug/Kg-dry	241949	1	05/03/2017 21:51	MD
4-Methyl-2-pentanone	BRL	7.6		ug/Kg-dry	241949	1	05/03/2017 21:51	MD
Acetone	BRL	76		ug/Kg-dry	241949	1	05/03/2017 21:51	MD
Benzene	BRL	3.8		ug/Kg-dry	241949	1	05/03/2017 21:51	MD
Bromodichloromethane	BRL	3.8		ug/Kg-dry	241949	1	05/03/2017 21:51	MD
Bromoform	BRL	3.8		ug/Kg-dry	241949	1	05/03/2017 21:51	MD
Bromomethane	BRL	3.8		ug/Kg-dry	241949	1	05/03/2017 21:51	MD
Carbon disulfide	BRL	7.6		ug/Kg-dry	241949	1	05/03/2017 21:51	MD
Carbon tetrachloride	BRL	3.8		ug/Kg-dry	241949	1	05/03/2017 21:51	MD
Chlorobenzene	BRL	3.8		ug/Kg-dry	241949	1	05/03/2017 21:51	MD
Chloroethane	BRL	7.6		ug/Kg-dry	241949	1	05/03/2017 21:51	MD
Chloroform	BRL	3.8		ug/Kg-dry	241949	1	05/03/2017 21:51	MD
Chloromethane	BRL	7.6		ug/Kg-dry	241949	1	05/03/2017 21:51	MD
cis-1,2-Dichloroethene	1800	240		ug/Kg-dry	242009	100	05/04/2017 07:12	NH
cis-1,3-Dichloropropene	BRL	3.8		ug/Kg-dry	241949	1	05/03/2017 21:51	MD
Cyclohexane	BRL	3.8		ug/Kg-dry	241949	1	05/03/2017 21:51	MD
Dibromochloromethane	BRL	3.8		ug/Kg-dry	241949	1	05/03/2017 21:51	MD
Dichlorodifluoromethane	BRL	7.6		ug/Kg-dry	241949	1	05/03/2017 21:51	MD
Ethylbenzene	BRL	3.8		ug/Kg-dry	241949	1	05/03/2017 21:51	MD
Freon-113	BRL	7.6		ug/Kg-dry	241949	1	05/03/2017 21:51	MD
Isopropylbenzene	BRL	3.8		ug/Kg-dry	241949	1	05/03/2017 21:51	MD
m,p-Xylene	BRL	3.8		ug/Kg-dry	241949	1	05/03/2017 21:51	MD
Methyl acetate	BRL	3.8		ug/Kg-dry	241949	1	05/03/2017 21:51	MD
Methyl tert-butyl ether	BRL	3.8		ug/Kg-dry	241949	1	05/03/2017 21:51	MD
Methylcyclohexane	BRL	3.8		ug/Kg-dry	241949	1	05/03/2017 21:51	MD
Methylene chloride	BRL	15		ug/Kg-dry	241949	1	05/03/2017 21:51	MD
o-Xylene	BRL	3.8		ug/Kg-dry	241949	1	05/03/2017 21:51	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	AOC6-SD3-10N-15W
Project Name:	MTL	**Collection Date:**	4/28/2017 9:03:00 AM
Lab ID:	1704P57-044	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B (SW5035)								
Styrene	BRL	3.8		ug/Kg-dry	241949	1	05/03/2017 21:51	MD
Tetrachloroethene	4500	240		ug/Kg-dry	242009	100	05/04/2017 07:12	NH
Toluene	BRL	3.8		ug/Kg-dry	241949	1	05/03/2017 21:51	MD
trans-1,2-Dichloroethene	39	3.8		ug/Kg-dry	241949	1	05/03/2017 21:51	MD
trans-1,3-Dichloropropene	BRL	3.8		ug/Kg-dry	241949	1	05/03/2017 21:51	MD
Trichloroethene	1400	240		ug/Kg-dry	242009	100	05/04/2017 07:12	NH
Trichlorofluoromethane	BRL	3.8		ug/Kg-dry	241949	1	05/03/2017 21:51	MD
Vinyl chloride	BRL	7.6		ug/Kg-dry	241949	1	05/03/2017 21:51	MD
Surr: 4-Bromofluorobenzene	45.9	63-125	S	%REC	241949	1	05/03/2017 21:51	MD
Surr: 4-Bromofluorobenzene	96.8	63-125		%REC	242009	100	05/04/2017 07:12	NH
Surr: Dibromofluoromethane	95.1	69.9-123		%REC	242009	100	05/04/2017 07:12	NH
Surr: Dibromofluoromethane	102	69.9-123		%REC	241949	1	05/03/2017 21:51	MD
Surr: Toluene-d8	101	70-122		%REC	242009	100	05/04/2017 07:12	NH
Surr: Toluene-d8	77.6	70-122		%REC	241949	1	05/03/2017 21:51	MD
PERCENT MOISTURE D2216								
Percent Moisture	21.5	0		wt%	R342410	1	05/05/2017 08:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	AOC6-SD3-20N-15W
Project Name:	MTL	**Collection Date:**	4/28/2017 9:15:00 AM
Lab ID:	1704P57-045	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	6.1		ug/Kg-dry	241949	1	05/03/2017 22:15	MD
1,1,2,2-Tetrachloroethane	BRL	6.1		ug/Kg-dry	241949	1	05/03/2017 22:15	MD
1,1,2-Trichloroethane	BRL	6.1		ug/Kg-dry	241949	1	05/03/2017 22:15	MD
1,1-Dichloroethane	BRL	6.1		ug/Kg-dry	241949	1	05/03/2017 22:15	MD
1,1-Dichloroethene	BRL	6.1		ug/Kg-dry	241949	1	05/03/2017 22:15	MD
1,2,4-Trichlorobenzene	BRL	6.1		ug/Kg-dry	241949	1	05/03/2017 22:15	MD
1,2-Dibromo-3-chloropropane	BRL	6.1		ug/Kg-dry	241949	1	05/03/2017 22:15	MD
1,2-Dibromoethane	BRL	6.1		ug/Kg-dry	241949	1	05/03/2017 22:15	MD
1,2-Dichlorobenzene	BRL	6.1		ug/Kg-dry	241949	1	05/03/2017 22:15	MD
1,2-Dichloroethane	BRL	6.1		ug/Kg-dry	241949	1	05/03/2017 22:15	MD
1,2-Dichloropropane	BRL	6.1		ug/Kg-dry	241949	1	05/03/2017 22:15	MD
1,3-Dichlorobenzene	BRL	6.1		ug/Kg-dry	241949	1	05/03/2017 22:15	MD
1,4-Dichlorobenzene	BRL	6.1		ug/Kg-dry	241949	1	05/03/2017 22:15	MD
2-Butanone	BRL	61		ug/Kg-dry	241949	1	05/03/2017 22:15	MD
2-Hexanone	BRL	12		ug/Kg-dry	241949	1	05/03/2017 22:15	MD
4-Methyl-2-pentanone	BRL	12		ug/Kg-dry	241949	1	05/03/2017 22:15	MD
Acetone	140	120		ug/Kg-dry	241949	1	05/03/2017 22:15	MD
Benzene	BRL	6.1		ug/Kg-dry	241949	1	05/03/2017 22:15	MD
Bromodichloromethane	BRL	6.1		ug/Kg-dry	241949	1	05/03/2017 22:15	MD
Bromoform	BRL	6.1		ug/Kg-dry	241949	1	05/03/2017 22:15	MD
Bromomethane	BRL	6.1		ug/Kg-dry	241949	1	05/03/2017 22:15	MD
Carbon disulfide	BRL	12		ug/Kg-dry	241949	1	05/03/2017 22:15	MD
Carbon tetrachloride	BRL	6.1		ug/Kg-dry	241949	1	05/03/2017 22:15	MD
Chlorobenzene	BRL	6.1		ug/Kg-dry	241949	1	05/03/2017 22:15	MD
Chloroethane	BRL	12		ug/Kg-dry	241949	1	05/03/2017 22:15	MD
Chloroform	BRL	6.1		ug/Kg-dry	241949	1	05/03/2017 22:15	MD
Chloromethane	BRL	12		ug/Kg-dry	241949	1	05/03/2017 22:15	MD
cis-1,2-Dichloroethene	510	380		ug/Kg-dry	242009	50	05/04/2017 07:38	NH
cis-1,3-Dichloropropene	BRL	6.1		ug/Kg-dry	241949	1	05/03/2017 22:15	MD
Cyclohexane	BRL	6.1		ug/Kg-dry	241949	1	05/03/2017 22:15	MD
Dibromochloromethane	BRL	6.1		ug/Kg-dry	241949	1	05/03/2017 22:15	MD
Dichlorodifluoromethane	BRL	12		ug/Kg-dry	241949	1	05/03/2017 22:15	MD
Ethylbenzene	BRL	6.1		ug/Kg-dry	241949	1	05/03/2017 22:15	MD
Freon-113	BRL	12		ug/Kg-dry	241949	1	05/03/2017 22:15	MD
Isopropylbenzene	BRL	6.1		ug/Kg-dry	241949	1	05/03/2017 22:15	MD
m,p-Xylene	BRL	6.1		ug/Kg-dry	241949	1	05/03/2017 22:15	MD
Methyl acetate	BRL	6.1		ug/Kg-dry	241949	1	05/03/2017 22:15	MD
Methyl tert-butyl ether	BRL	6.1		ug/Kg-dry	241949	1	05/03/2017 22:15	MD
Methylcyclohexane	BRL	6.1		ug/Kg-dry	241949	1	05/03/2017 22:15	MD
Methylene chloride	BRL	24		ug/Kg-dry	241949	1	05/03/2017 22:15	MD
o-Xylene	BRL	6.1		ug/Kg-dry	241949	1	05/03/2017 22:15	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	AOC6-SD3-20N-15W
Project Name:	MTL	**Collection Date:**	4/28/2017 9:15:00 AM
Lab ID:	1704P57-045	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Styrene	BRL	6.1		ug/Kg-dry	241949	1	05/03/2017 22:15	MD
Tetrachloroethene	1400	380		ug/Kg-dry	242009	50	05/04/2017 07:38	NH
Toluene	BRL	6.1		ug/Kg-dry	241949	1	05/03/2017 22:15	MD
trans-1,2-Dichloroethene	26	6.1		ug/Kg-dry	241949	1	05/03/2017 22:15	MD
trans-1,3-Dichloropropene	BRL	6.1		ug/Kg-dry	241949	1	05/03/2017 22:15	MD
Trichloroethene	150	6.1		ug/Kg-dry	241949	1	05/03/2017 22:15	MD
Trichlorofluoromethane	BRL	6.1		ug/Kg-dry	241949	1	05/03/2017 22:15	MD
Vinyl chloride	BRL	12		ug/Kg-dry	241949	1	05/03/2017 22:15	MD
Surr: 4-Bromofluorobenzene	58.8	63-125	S	%REC	241949	1	05/03/2017 22:15	MD
Surr: 4-Bromofluorobenzene	104	63-125		%REC	242009	50	05/04/2017 07:38	NH
Surr: Dibromofluoromethane	97.2	69.9-123		%REC	242009	50	05/04/2017 07:38	NH
Surr: Dibromofluoromethane	88.1	69.9-123		%REC	241949	1	05/03/2017 22:15	MD
Surr: Toluene-d8	101	70-122		%REC	242009	50	05/04/2017 07:38	NH
Surr: Toluene-d8	83	70-122		%REC	241949	1	05/03/2017 22:15	MD
PERCENT MOISTURE D2216								
Percent Moisture	35.5	0		wt%	R342410	1	05/05/2017 08:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	AOC6-SD3-15W
Project Name:	MTL	**Collection Date:**	4/28/2017 9:25:00 AM
Lab ID:	1704P57-046	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	7.6		ug/Kg-dry	241949	1	05/03/2017 22:39	MD
1,1,2,2-Tetrachloroethane	BRL	7.6		ug/Kg-dry	241949	1	05/03/2017 22:39	MD
1,1,2-Trichloroethane	BRL	7.6		ug/Kg-dry	241949	1	05/03/2017 22:39	MD
1,1-Dichloroethane	BRL	7.6		ug/Kg-dry	241949	1	05/03/2017 22:39	MD
1,1-Dichloroethene	BRL	7.6		ug/Kg-dry	241949	1	05/03/2017 22:39	MD
1,2,4-Trichlorobenzene	BRL	7.6		ug/Kg-dry	241949	1	05/03/2017 22:39	MD
1,2-Dibromo-3-chloropropane	BRL	7.6		ug/Kg-dry	241949	1	05/03/2017 22:39	MD
1,2-Dibromoethane	BRL	7.6		ug/Kg-dry	241949	1	05/03/2017 22:39	MD
1,2-Dichlorobenzene	BRL	7.6		ug/Kg-dry	241949	1	05/03/2017 22:39	MD
1,2-Dichloroethane	BRL	7.6		ug/Kg-dry	241949	1	05/03/2017 22:39	MD
1,2-Dichloropropane	BRL	7.6		ug/Kg-dry	241949	1	05/03/2017 22:39	MD
1,3-Dichlorobenzene	BRL	7.6		ug/Kg-dry	241949	1	05/03/2017 22:39	MD
1,4-Dichlorobenzene	BRL	7.6		ug/Kg-dry	241949	1	05/03/2017 22:39	MD
2-Butanone	BRL	76		ug/Kg-dry	241949	1	05/03/2017 22:39	MD
2-Hexanone	BRL	15		ug/Kg-dry	241949	1	05/03/2017 22:39	MD
4-Methyl-2-pentanone	BRL	15		ug/Kg-dry	241949	1	05/03/2017 22:39	MD
Acetone	BRL	150		ug/Kg-dry	241949	1	05/03/2017 22:39	MD
Benzene	BRL	7.6		ug/Kg-dry	241949	1	05/03/2017 22:39	MD
Bromodichloromethane	BRL	7.6		ug/Kg-dry	241949	1	05/03/2017 22:39	MD
Bromoform	BRL	7.6		ug/Kg-dry	241949	1	05/03/2017 22:39	MD
Bromomethane	BRL	7.6		ug/Kg-dry	241949	1	05/03/2017 22:39	MD
Carbon disulfide	BRL	15		ug/Kg-dry	241949	1	05/03/2017 22:39	MD
Carbon tetrachloride	BRL	7.6		ug/Kg-dry	241949	1	05/03/2017 22:39	MD
Chlorobenzene	BRL	7.6		ug/Kg-dry	241949	1	05/03/2017 22:39	MD
Chloroethane	BRL	15		ug/Kg-dry	241949	1	05/03/2017 22:39	MD
Chloroform	BRL	7.6		ug/Kg-dry	241949	1	05/03/2017 22:39	MD
Chloromethane	BRL	15		ug/Kg-dry	241949	1	05/03/2017 22:39	MD
cis-1,2-Dichloroethene	1200	210		ug/Kg-dry	242009	50	05/04/2017 08:03	NH
cis-1,3-Dichloropropene	BRL	7.6		ug/Kg-dry	241949	1	05/03/2017 22:39	MD
Cyclohexane	BRL	7.6		ug/Kg-dry	241949	1	05/03/2017 22:39	MD
Dibromochloromethane	BRL	7.6		ug/Kg-dry	241949	1	05/03/2017 22:39	MD
Dichlorodifluoromethane	BRL	15		ug/Kg-dry	241949	1	05/03/2017 22:39	MD
Ethylbenzene	BRL	7.6		ug/Kg-dry	241949	1	05/03/2017 22:39	MD
Freon-113	BRL	15		ug/Kg-dry	241949	1	05/03/2017 22:39	MD
Isopropylbenzene	BRL	7.6		ug/Kg-dry	241949	1	05/03/2017 22:39	MD
m,p-Xylene	BRL	7.6		ug/Kg-dry	241949	1	05/03/2017 22:39	MD
Methyl acetate	BRL	7.6		ug/Kg-dry	241949	1	05/03/2017 22:39	MD
Methyl tert-butyl ether	BRL	7.6		ug/Kg-dry	241949	1	05/03/2017 22:39	MD
Methylcyclohexane	BRL	7.6		ug/Kg-dry	241949	1	05/03/2017 22:39	MD
Methylene chloride	BRL	31		ug/Kg-dry	241949	1	05/03/2017 22:39	MD
o-Xylene	BRL	7.6		ug/Kg-dry	241949	1	05/03/2017 22:39	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	AOC6-SD3-15W
Project Name:	MTL	**Collection Date:**	4/28/2017 9:25:00 AM
Lab ID:	1704P57-046	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Styrene	BRL	7.6		ug/Kg-dry	241949	1	05/03/2017 22:39	MD
Tetrachloroethene	5000	210		ug/Kg-dry	242009	50	05/04/2017 08:03	NH
Toluene	BRL	7.6		ug/Kg-dry	241949	1	05/03/2017 22:39	MD
trans-1,2-Dichloroethene	BRL	7.6		ug/Kg-dry	241949	1	05/03/2017 22:39	MD
trans-1,3-Dichloropropene	BRL	7.6		ug/Kg-dry	241949	1	05/03/2017 22:39	MD
Trichloroethene	950	210		ug/Kg-dry	242009	50	05/04/2017 08:03	NH
Trichlorofluoromethane	BRL	7.6		ug/Kg-dry	241949	1	05/03/2017 22:39	MD
Vinyl chloride	BRL	15		ug/Kg-dry	241949	1	05/03/2017 22:39	MD
Surr: 4-Bromofluorobenzene	94.5	63-125		%REC	242009	50	05/04/2017 08:03	NH
Surr: 4-Bromofluorobenzene	61.8	63-125	S	%REC	241949	1	05/03/2017 22:39	MD
Surr: Dibromofluoromethane	93.4	69.9-123		%REC	242009	50	05/04/2017 08:03	NH
Surr: Dibromofluoromethane	95.9	69.9-123		%REC	241949	1	05/03/2017 22:39	MD
Surr: Toluene-d8	99.3	70-122		%REC	242009	50	05/04/2017 08:03	NH
Surr: Toluene-d8	85.3	70-122		%REC	241949	1	05/03/2017 22:39	MD
PERCENT MOISTURE D2216								
Percent Moisture	17.2	0		wt%	R342410	1	05/05/2017 08:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	TRIP BLANK
Project Name:	MTL	**Collection Date:**	4/28/2017
Lab ID:	1704P57-047	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	242140	1	05/04/2017 17:46	NP
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	242140	1	05/04/2017 17:46	NP
1,1,2-Trichloroethane	BRL	5.0		ug/L	242140	1	05/04/2017 17:46	NP
1,1-Dichloroethane	BRL	5.0		ug/L	242140	1	05/04/2017 17:46	NP
1,1-Dichloroethene	BRL	5.0		ug/L	242140	1	05/04/2017 17:46	NP
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	242140	1	05/04/2017 17:46	NP
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	242140	1	05/04/2017 17:46	NP
1,2-Dibromoethane	BRL	5.0		ug/L	242140	1	05/04/2017 17:46	NP
1,2-Dichlorobenzene	BRL	5.0		ug/L	242140	1	05/04/2017 17:46	NP
1,2-Dichloroethane	BRL	5.0		ug/L	242140	1	05/04/2017 17:46	NP
1,2-Dichloropropane	BRL	5.0		ug/L	242140	1	05/04/2017 17:46	NP
1,3-Dichlorobenzene	BRL	5.0		ug/L	242140	1	05/04/2017 17:46	NP
1,4-Dichlorobenzene	BRL	5.0		ug/L	242140	1	05/04/2017 17:46	NP
2-Butanone	BRL	50		ug/L	242140	1	05/04/2017 17:46	NP
2-Hexanone	BRL	10		ug/L	242140	1	05/04/2017 17:46	NP
4-Methyl-2-pentanone	BRL	10		ug/L	242140	1	05/04/2017 17:46	NP
Acetone	BRL	50		ug/L	242140	1	05/04/2017 17:46	NP
Benzene	BRL	5.0		ug/L	242140	1	05/04/2017 17:46	NP
Bromodichloromethane	BRL	5.0		ug/L	242140	1	05/04/2017 17:46	NP
Bromoform	BRL	5.0		ug/L	242140	1	05/04/2017 17:46	NP
Bromomethane	BRL	5.0		ug/L	242140	1	05/04/2017 17:46	NP
Carbon disulfide	BRL	5.0		ug/L	242140	1	05/04/2017 17:46	NP
Carbon tetrachloride	BRL	5.0		ug/L	242140	1	05/04/2017 17:46	NP
Chlorobenzene	BRL	5.0		ug/L	242140	1	05/04/2017 17:46	NP
Chloroethane	BRL	10		ug/L	242140	1	05/04/2017 17:46	NP
Chloroform	BRL	5.0		ug/L	242140	1	05/04/2017 17:46	NP
Chloromethane	BRL	10		ug/L	242140	1	05/04/2017 17:46	NP
cis-1,2-Dichloroethene	BRL	5.0		ug/L	242140	1	05/04/2017 17:46	NP
cis-1,3-Dichloropropene	BRL	5.0		ug/L	242140	1	05/04/2017 17:46	NP
Cyclohexane	BRL	5.0		ug/L	242140	1	05/04/2017 17:46	NP
Dibromochloromethane	BRL	5.0		ug/L	242140	1	05/04/2017 17:46	NP
Dichlorodifluoromethane	BRL	10		ug/L	242140	1	05/04/2017 17:46	NP
Ethylbenzene	BRL	5.0		ug/L	242140	1	05/04/2017 17:46	NP
Freon-113	BRL	10		ug/L	242140	1	05/04/2017 17:46	NP
Isopropylbenzene	BRL	5.0		ug/L	242140	1	05/04/2017 17:46	NP
m,p-Xylene	BRL	5.0		ug/L	242140	1	05/04/2017 17:46	NP
Methyl acetate	BRL	5.0		ug/L	242140	1	05/04/2017 17:46	NP
Methyl tert-butyl ether	BRL	5.0		ug/L	242140	1	05/04/2017 17:46	NP
Methylcyclohexane	BRL	5.0		ug/L	242140	1	05/04/2017 17:46	NP
Methylene chloride	BRL	5.0		ug/L	242140	1	05/04/2017 17:46	NP
o-Xylene	BRL	5.0		ug/L	242140	1	05/04/2017 17:46	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	TRIP BLANK
Project Name:	MTL	**Collection Date:**	4/28/2017
Lab ID:	1704P57-047	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	242140	1	05/04/2017 17:46	NP
Tetrachloroethene	BRL	5.0		ug/L	242140	1	05/04/2017 17:46	NP
Toluene	BRL	5.0		ug/L	242140	1	05/04/2017 17:46	NP
trans-1,2-Dichloroethene	BRL	5.0		ug/L	242140	1	05/04/2017 17:46	NP
trans-1,3-Dichloropropene	BRL	5.0		ug/L	242140	1	05/04/2017 17:46	NP
Trichloroethene	BRL	5.0		ug/L	242140	1	05/04/2017 17:46	NP
Trichlorofluoromethane	BRL	5.0		ug/L	242140	1	05/04/2017 17:46	NP
Vinyl chloride	BRL	2.0		ug/L	242140	1	05/04/2017 17:46	NP
Surr: 4-Bromofluorobenzene	76.6	66.1-129		%REC	242140	1	05/04/2017 17:46	NP
Surr: Dibromofluoromethane	112	83.6-123		%REC	242140	1	05/04/2017 17:46	NP
Surr: Toluene-d8	98.8	81.8-118		%REC	242140	1	05/04/2017 17:46	NP

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	TRIP BLANK 2
Project Name:	MTL	**Collection Date:**	4/28/2017
Lab ID:	1704P57-048	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	242140	1	05/04/2017 18:11	NP
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	242140	1	05/04/2017 18:11	NP
1,1,2-Trichloroethane	BRL	5.0		ug/L	242140	1	05/04/2017 18:11	NP
1,1-Dichloroethane	BRL	5.0		ug/L	242140	1	05/04/2017 18:11	NP
1,1-Dichloroethene	BRL	5.0		ug/L	242140	1	05/04/2017 18:11	NP
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	242140	1	05/04/2017 18:11	NP
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	242140	1	05/04/2017 18:11	NP
1,2-Dibromoethane	BRL	5.0		ug/L	242140	1	05/04/2017 18:11	NP
1,2-Dichlorobenzene	BRL	5.0		ug/L	242140	1	05/04/2017 18:11	NP
1,2-Dichloroethane	BRL	5.0		ug/L	242140	1	05/04/2017 18:11	NP
1,2-Dichloropropane	BRL	5.0		ug/L	242140	1	05/04/2017 18:11	NP
1,3-Dichlorobenzene	BRL	5.0		ug/L	242140	1	05/04/2017 18:11	NP
1,4-Dichlorobenzene	BRL	5.0		ug/L	242140	1	05/04/2017 18:11	NP
2-Butanone	BRL	50		ug/L	242140	1	05/04/2017 18:11	NP
2-Hexanone	BRL	10		ug/L	242140	1	05/04/2017 18:11	NP
4-Methyl-2-pentanone	BRL	10		ug/L	242140	1	05/04/2017 18:11	NP
Acetone	BRL	50		ug/L	242140	1	05/04/2017 18:11	NP
Benzene	BRL	5.0		ug/L	242140	1	05/04/2017 18:11	NP
Bromodichloromethane	BRL	5.0		ug/L	242140	1	05/04/2017 18:11	NP
Bromoform	BRL	5.0		ug/L	242140	1	05/04/2017 18:11	NP
Bromomethane	BRL	5.0		ug/L	242140	1	05/04/2017 18:11	NP
Carbon disulfide	BRL	5.0		ug/L	242140	1	05/04/2017 18:11	NP
Carbon tetrachloride	BRL	5.0		ug/L	242140	1	05/04/2017 18:11	NP
Chlorobenzene	BRL	5.0		ug/L	242140	1	05/04/2017 18:11	NP
Chloroethane	BRL	10		ug/L	242140	1	05/04/2017 18:11	NP
Chloroform	BRL	5.0		ug/L	242140	1	05/04/2017 18:11	NP
Chloromethane	BRL	10		ug/L	242140	1	05/04/2017 18:11	NP
cis-1,2-Dichloroethene	BRL	5.0		ug/L	242140	1	05/04/2017 18:11	NP
cis-1,3-Dichloropropene	BRL	5.0		ug/L	242140	1	05/04/2017 18:11	NP
Cyclohexane	BRL	5.0		ug/L	242140	1	05/04/2017 18:11	NP
Dibromochloromethane	BRL	5.0		ug/L	242140	1	05/04/2017 18:11	NP
Dichlorodifluoromethane	BRL	10		ug/L	242140	1	05/04/2017 18:11	NP
Ethylbenzene	BRL	5.0		ug/L	242140	1	05/04/2017 18:11	NP
Freon-113	BRL	10		ug/L	242140	1	05/04/2017 18:11	NP
Isopropylbenzene	BRL	5.0		ug/L	242140	1	05/04/2017 18:11	NP
m,p-Xylene	BRL	5.0		ug/L	242140	1	05/04/2017 18:11	NP
Methyl acetate	BRL	5.0		ug/L	242140	1	05/04/2017 18:11	NP
Methyl tert-butyl ether	BRL	5.0		ug/L	242140	1	05/04/2017 18:11	NP
Methylcyclohexane	BRL	5.0		ug/L	242140	1	05/04/2017 18:11	NP
Methylene chloride	BRL	5.0		ug/L	242140	1	05/04/2017 18:11	NP
o-Xylene	BRL	5.0		ug/L	242140	1	05/04/2017 18:11	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-May-17

Client:	Environmental International Corp	**Client Sample ID:**	TRIP BLANK 2
Project Name:	MTL	**Collection Date:**	4/28/2017
Lab ID:	1704P57-048	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	242140	1	05/04/2017 18:11	NP
Tetrachloroethene	BRL	5.0		ug/L	242140	1	05/04/2017 18:11	NP
Toluene	BRL	5.0		ug/L	242140	1	05/04/2017 18:11	NP
trans-1,2-Dichloroethene	BRL	5.0		ug/L	242140	1	05/04/2017 18:11	NP
trans-1,3-Dichloropropene	BRL	5.0		ug/L	242140	1	05/04/2017 18:11	NP
Trichloroethene	BRL	5.0		ug/L	242140	1	05/04/2017 18:11	NP
Trichlorofluoromethane	BRL	5.0		ug/L	242140	1	05/04/2017 18:11	NP
Vinyl chloride	BRL	2.0		ug/L	242140	1	05/04/2017 18:11	NP
Surr: 4-Bromofluorobenzene	75.1	66.1-129		%REC	242140	1	05/04/2017 18:11	NP
Surr: Dibromofluoromethane	111	83.6-123		%REC	242140	1	05/04/2017 18:11	NP
Surr: Toluene-d8	99.9	81.8-118		%REC	242140	1	05/04/2017 18:11	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Clear Save as

ANALYTICAL ENVIRONMENTAL SERVICES, INC. AES

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: **ENVIRONMENTAL INTERNATIONAL CORP** AES Work Order Number: **1704P57**

2. Carrier: FedEx ☐ UPS ☐ USPS ☐ Client ■ Courier ☐ Other _____

		Yes	No	N/A	Details	Comments
3.	Shipping container/cooler received in good condition?	●	○	○	damaged ☐ leaking ☐ other ☐	
4.	Custody seals present on shipping container?	○	●	○		
5.	Custody seals intact on shipping container?	○	○	●		
6.	Temperature blanks present?	●	○	○		
7.	Cooler temperature(s) within limits of 0-6°C? [See item 13 and 14 for temperature recordings.]	●	○	○	Cooling initiated for recently collected samples / ice present ☐	
8.	Chain of Custody (COC) present?	●	○	○		
9.	Chain of Custody signed, dated, and timed when relinquished and received?	●	○	○		
10.	Sampler name and/or signature on COC?	●	○	○		
11.	Were all samples received within holding time?	●	○	○		
12.	TAT marked on the COC?	●	○	○	If no TAT indicated, proceeded with standard TAT per Terms & Conditions. ☐	

13. Cooler 1 Temperature 0.8 °C Cooler 2 Temperature 0.4 °C Cooler 3 Temperature _____ °C Cooler 4 Temperature _____ °C

14. Cooler 5 Temperature _____ °C Cooler 6 Temperature _____ °C Cooler 7 Temperature _____ °C Cooler 8 Temperature _____ °C

15. Comments: _____

I certify that I have completed sections 1-15 (dated initials). MDP 4/29/17

		Yes	No	N/A	Details	Comments
16.	Were sample containers intact upon receipt?	●	○	○		
17.	Custody seals present on sample containers?	○	●	○		
18.	Custody seals intact on sample containers?	○	○	●		
19.	Do sample container labels match the COC?	●	○	○	incomplete info ☐ illegible ☐ no label ☐ other ☐	
20.	Are analyses requested indicated on the COC?	●	○	○		
21.	Were all of the samples listed on the COC received?	●	○	○	samples received but not listed on COC ☐ samples listed on COC not received ☐	
22.	Was the sample collection date/time noted?	●	○	○		
23.	Did we receive sufficient sample volume for indicated analyses?	●	○	○		
24.	Were samples received in appropriate containers?	●	○	○		
25.	Were VOA samples received without headspace (< 1/4" bubble)?	●	○	○		
26.	Were trip blanks submitted?	●	○	○	listed on COC ☐ not listed on COC ■	

27. Comments: _____

I certify that I have completed sections 16-27 (dated initials). BB 5/1/17

		Yes	No	N/A	Details	Comments
28.	Have containers needing chemical preservation been checked?	○	○	●		CHECKED AT ANALYSIS
29.	Containers meet preservation guidelines?	○	○	●		CHECKED AT ANALYSIS
30.	Was pH adjusted?	○	○	●		CHECKED AT ANALYSIS

I certify that I have completed sections 28-30 (dated initials). BB 5/1/17

Locked

Client: Environmental International Corp
Project Name: MTL
Workorder: 1704P57

ANALYTICAL QC SUMMARY REPORT

BatchID: 241949

Sample ID: **MB-241949** Client ID: Units: **ug/Kg** Prep Date: **05/02/2017** Run No: **341957**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **241949** Analysis Date: **05/02/2017** Seq No: **7491264**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1,2,2-Tetrachloroethane	BRL	5.0									
1,1,2-Trichloroethane	BRL	5.0									
1,1-Dichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trichlorobenzene	BRL	5.0									
1,2-Dibromo-3-chloropropane	BRL	5.0									
1,2-Dibromoethane	BRL	5.0									
1,2-Dichlorobenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,2-Dichloropropane	BRL	5.0									
1,3-Dichlorobenzene	BRL	5.0									
1,4-Dichlorobenzene	BRL	5.0									
2-Butanone	BRL	50									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	100									
Benzene	BRL	5.0									
Bromodichloromethane	BRL	5.0									
Bromoform	BRL	5.0									
Bromomethane	BRL	5.0									
Carbon disulfide	BRL	10									
Carbon tetrachloride	BRL	5.0									
Chlorobenzene	BRL	5.0									
Chloroethane	BRL	10									
Chloroform	BRL	5.0									
Chloromethane	BRL	10									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental International Corp
Project Name: MTL
Workorder: 1704P57

ANALYTICAL QC SUMMARY REPORT

BatchID: 241949

Sample ID: **MB-241949** Client ID: Units: **ug/Kg** Prep Date: **05/02/2017** Run No: **341957**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **241949** Analysis Date: **05/02/2017** Seq No: **7491264**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Cyclohexane	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dichlorodifluoromethane	BRL	10									
Ethylbenzene	BRL	5.0									
Freon-113	BRL	10									
Isopropylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
Methyl acetate	BRL	5.0									
Methyl tert-butyl ether	BRL	5.0									
Methylcyclohexane	BRL	5.0									
Methylene chloride	BRL	20									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl chloride	BRL	10									
Surr: 4-Bromofluorobenzene	40.45	0	50.00		80.9	63	125				
Surr: Dibromofluoromethane	40.97	0	50.00		81.9	69.9	123				
Surr: Toluene-d8	44.05	0	50.00		88.1	70	122				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental International Corp
Project Name: MTL
Workorder: 1704P57

ANALYTICAL QC SUMMARY REPORT

BatchID: 241949

Sample ID: **LCS-241949** Client ID: Units: **ug/Kg** Prep Date: **05/02/2017** Run No: **341957**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **241949** Analysis Date: **05/02/2017** Seq No: **7491262**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	43.92	5.0	50.00		87.8	62	142				
Benzene	46.51	5.0	50.00		93.0	70.2	131				
Chlorobenzene	46.59	5.0	50.00		93.2	72.9	129				
Toluene	44.19	5.0	50.00		88.4	70.6	131				
Trichloroethene	47.00	5.0	50.00		94.0	70.1	136				
Surr: 4-Bromofluorobenzene	41.75	0	50.00		83.5	63	125				
Surr: Dibromofluoromethane	39.75	0	50.00		79.5	69.9	123				
Surr: Toluene-d8	42.20	0	50.00		84.4	70	122				

Sample ID: **1704O48-001AMS** Client ID: Units: **ug/Kg-dry** Prep Date: **05/02/2017** Run No: **341957**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **241949** Analysis Date: **05/02/2017** Seq No: **7491267**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	33.48	5.3	52.67		63.6	55	143				
Benzene	39.41	5.3	52.67		74.8	68.5	128				
Chlorobenzene	41.42	5.3	52.67		78.6	67.7	126				
Toluene	39.16	5.3	52.67		74.4	66.9	128				
Trichloroethene	39.15	5.3	52.67		74.3	60.7	133				
Surr: 4-Bromofluorobenzene	42.55	0	52.67		80.8	63	125				
Surr: Dibromofluoromethane	41.59	0	52.67		79.0	69.9	123				
Surr: Toluene-d8	45.04	0	52.67		85.5	70	122				

Sample ID: **1704O48-001AMSD** Client ID: Units: **ug/Kg-dry** Prep Date: **05/02/2017** Run No: **341957**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **241949** Analysis Date: **05/02/2017** Seq No: **7491276**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	36.12	5.3	52.67		68.6	55	143	33.48	7.60	19.3	
Benzene	38.65	5.3	52.67		73.4	68.5	128	39.41	1.94	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental International Corp
Project Name: MTL
Workorder: 1704P57

ANALYTICAL QC SUMMARY REPORT

BatchID: 241949

Sample ID: **1704O48-001AMSD** Client ID:
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B**
Units: **ug/Kg-dry** Prep Date: **05/02/2017** Run No: **341957**
BatchID: **241949** Analysis Date: **05/02/2017** Seq No: **7491276**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	39.04	5.3	52.67		74.1	67.7	126	41.42	5.92	20	
Toluene	37.93	5.3	52.67		72.0	66.9	128	39.16	3.20	20	
Trichloroethene	36.30	5.3	52.67		68.9	60.7	133	39.15	7.57	20	
Surr: 4-Bromofluorobenzene	42.31	0	52.67		80.3	63	125	42.55	0	0	
Surr: Dibromofluoromethane	42.85	0	52.67		81.4	69.9	123	41.59	0	0	
Surr: Toluene-d8	45.93	0	52.67		87.2	70	122	45.04	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental International Corp
Project Name: MTL
Workorder: 1704P57

ANALYTICAL QC SUMMARY REPORT

BatchID: 242009

Sample ID: **MB-242009** Client ID: Units: **ug/Kg** Prep Date: **05/03/2017** Run No: **342075**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **242009** Analysis Date: **05/03/2017** Seq No: **7495748**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	250									
1,1,2,2-Tetrachloroethane	BRL	250									
1,1,2-Trichloroethane	BRL	250									
1,1-Dichloroethane	BRL	250									
1,1-Dichloroethene	BRL	250									
1,2,4-Trichlorobenzene	BRL	250									
1,2-Dibromo-3-chloropropane	BRL	250									
1,2-Dibromoethane	BRL	250									
1,2-Dichlorobenzene	BRL	250									
1,2-Dichloroethane	BRL	250									
1,2-Dichloropropane	BRL	250									
1,3-Dichlorobenzene	BRL	250									
1,4-Dichlorobenzene	BRL	250									
2-Butanone	BRL	2500									
2-Hexanone	BRL	500									
4-Methyl-2-pentanone	BRL	500									
Acetone	BRL	5000									
Benzene	BRL	250									
Bromodichloromethane	BRL	250									
Bromoform	BRL	250									
Bromomethane	BRL	250									
Carbon disulfide	BRL	500									
Carbon tetrachloride	BRL	250									
Chlorobenzene	BRL	250									
Chloroethane	BRL	500									
Chloroform	BRL	250									
Chloromethane	BRL	500									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental International Corp
Project Name: MTL
Workorder: 1704P57

ANALYTICAL QC SUMMARY REPORT

BatchID: 242009

Sample ID: **MB-242009** Client ID: Units: **ug/Kg** Prep Date: **05/03/2017** Run No: **342075**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **242009** Analysis Date: **05/03/2017** Seq No: **7495748**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	250									
cis-1,3-Dichloropropene	BRL	250									
Cyclohexane	BRL	250									
Dibromochloromethane	BRL	250									
Dichlorodifluoromethane	BRL	500									
Ethylbenzene	BRL	250									
Freon-113	BRL	500									
Isopropylbenzene	BRL	250									
m,p-Xylene	BRL	250									
Methyl acetate	BRL	250									
Methyl tert-butyl ether	BRL	250									
Methylcyclohexane	BRL	250									
Methylene chloride	BRL	1000									
o-Xylene	BRL	250									
Styrene	BRL	250									
Tetrachloroethene	BRL	250									
Toluene	BRL	250									
trans-1,2-Dichloroethene	BRL	250									
trans-1,3-Dichloropropene	BRL	250									
Trichloroethene	BRL	250									
Trichlorofluoromethane	BRL	250									
Vinyl chloride	BRL	500									
Surr: 4-Bromofluorobenzene	1894	0	2500		75.8	63	125				
Surr: Dibromofluoromethane	2696	0	2500		108	69.9	123				
Surr: Toluene-d8	2508	0	2500		100	70	122				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental International Corp
Project Name: MTL
Workorder: 1704P57

ANALYTICAL QC SUMMARY REPORT

BatchID: 242009

Sample ID: **LCS-242009** Client ID: Units: **ug/Kg** Prep Date: **05/03/2017** Run No: **342075**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **242009** Analysis Date: **05/03/2017** Seq No: **7495747**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	2620	250	2500		105	62	142				
Benzene	2264	250	2500		90.5	70.2	131				
Chlorobenzene	2335	250	2500		93.4	72.9	129				
Toluene	2332	250	2500		93.3	70.6	131				
Trichloroethene	2182	250	2500		87.3	70.1	136				
Surr: 4-Bromofluorobenzene	1865	0	2500		74.6	63	125				
Surr: Dibromofluoromethane	2672	0	2500		107	69.9	123				
Surr: Toluene-d8	2450	0	2500		98.0	70	122				

Sample ID: **1704M42-001AMS** Client ID: Units: **ug/Kg-dry** Prep Date: **05/03/2017** Run No: **342075**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **242009** Analysis Date: **05/03/2017** Seq No: **7495750**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	15300	1600	16030		95.5	55	143				
Benzene	13990	1600	16030		87.3	68.5	128				
Chlorobenzene	13980	1600	16030		87.2	67.7	126				
Toluene	15090	1600	16030	410.3	91.6	66.9	128				
Trichloroethene	13210	1600	16030		82.4	60.7	133				
Surr: 4-Bromofluorobenzene	11880	0	16030		74.1	63	125				
Surr: Dibromofluoromethane	17050	0	16030		106	69.9	123				
Surr: Toluene-d8	15960	0	16030		99.5	70	122				

Sample ID: **1704M42-001AMSD** Client ID: Units: **ug/Kg-dry** Prep Date: **05/03/2017** Run No: **342075**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **242009** Analysis Date: **05/03/2017** Seq No: **7495751**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	14400	1600	16030		89.9	55	143	15300	6.04	19.3	
Benzene	14170	1600	16030		88.4	68.5	128	13990	1.27	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental International Corp
Project Name: MTL
Workorder: 1704P57

ANALYTICAL QC SUMMARY REPORT

BatchID: 242009

Sample ID: **1704M42-001AMSD** Client ID:
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B**
Units: **ug/Kg-dry** Prep Date: **05/03/2017** Run No: **342075**
BatchID: **242009** Analysis Date: **05/03/2017** Seq No: **7495751**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	14170	1600	16030		88.4	67.7	126	13980	1.34	20	
Toluene	14900	1600	16030	410.3	90.4	66.9	128	15090	1.22	20	
Trichloroethene	12770	1600	16030		79.7	60.7	133	13210	3.36	20	
Surr: 4-Bromofluorobenzene	11780	0	16030		73.5	63	125	11880	0	0	
Surr: Dibromofluoromethane	16700	0	16030		104	69.9	123	17050	0	0	
Surr: Toluene-d8	15720	0	16030		98.1	70	122	15960	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental International Corp
Project Name: MTL
Workorder: 1704P57

ANALYTICAL QC SUMMARY REPORT

BatchID: 242082

Sample ID: **MB-242082** Client ID: Units: **ug/L** Prep Date: **05/04/2017** Run No: **342206**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **242082** Analysis Date: **05/04/2017** Seq No: **7496901**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1,2,2-Tetrachloroethane	BRL	5.0									
1,1,2-Trichloroethane	BRL	5.0									
1,1-Dichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trichlorobenzene	BRL	5.0									
1,2-Dibromo-3-chloropropane	BRL	5.0									
1,2-Dibromoethane	BRL	5.0									
1,2-Dichlorobenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,2-Dichloropropane	BRL	5.0									
1,3-Dichlorobenzene	BRL	5.0									
1,4-Dichlorobenzene	BRL	5.0									
2-Butanone	BRL	50									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	50									
Benzene	BRL	5.0									
Bromodichloromethane	BRL	5.0									
Bromoform	BRL	5.0									
Bromomethane	BRL	5.0									
Carbon disulfide	BRL	5.0									
Carbon tetrachloride	BRL	5.0									
Chlorobenzene	BRL	5.0									
Chloroethane	BRL	10									
Chloroform	BRL	5.0									
Chloromethane	BRL	10									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental International Corp
Project Name: MTL
Workorder: 1704P57

ANALYTICAL QC SUMMARY REPORT

BatchID: 242082

Sample ID: **MB-242082** Client ID: Units: **ug/L** Prep Date: **05/04/2017** Run No: **342206**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **242082** Analysis Date: **05/04/2017** Seq No: **7496901**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Cyclohexane	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dichlorodifluoromethane	BRL	10									
Ethylbenzene	BRL	5.0									
Freon-113	BRL	10									
Isopropylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
Methyl acetate	BRL	5.0									
Methyl tert-butyl ether	BRL	5.0									
Methylcyclohexane	BRL	5.0									
Methylene chloride	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl chloride	BRL	2.0									
Surr: 4-Bromofluorobenzene	37.39	0	50.00		74.8	66.1	129				
Surr: Dibromofluoromethane	54.61	0	50.00		109	83.6	123				
Surr: Toluene-d8	45.16	0	50.00		90.3	81.8	118				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental International Corp
Project Name: MTL
Workorder: 1704P57

ANALYTICAL QC SUMMARY REPORT

BatchID: 242082

Sample ID: **LCS-242082** Client ID: Units: **ug/L** Prep Date: **05/04/2017** Run No: **342206**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **242082** Analysis Date: **05/04/2017** Seq No: **7497519**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	63.56	5.0	50.00		127	68	139				
Benzene	54.54	5.0	50.00		109	74	125				
Chlorobenzene	54.98	5.0	50.00		110	75.7	123				
Toluene	53.34	5.0	50.00		107	75.9	126				
Trichloroethene	51.88	5.0	50.00		104	70.6	129				
Surr: 4-Bromofluorobenzene	37.45	0	50.00		74.9	66.1	129				
Surr: Dibromofluoromethane	54.92	0	50.00		110	83.6	123				
Surr: Toluene-d8	43.59	0	50.00		87.2	81.8	118				

Sample ID: **1704P57-036AMS** Client ID: **PAW-4** Units: **ug/L** Prep Date: **05/04/2017** Run No: **342485**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **242082** Analysis Date: **05/08/2017** Seq No: **7504209**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	395.5	50	500.0		79.1	64.3	149				
Benzene	434.9	50	500.0		87.0	71.6	132				
Chlorobenzene	448.8	50	500.0	21.00	85.6	73.1	126				
Toluene	441.8	50	500.0		88.4	72.5	135				
Trichloroethene	457.0	50	500.0	33.40	84.7	70.2	132				
Surr: 4-Bromofluorobenzene	428.6	0	500.0		85.7	66.1	129				
Surr: Dibromofluoromethane	532.3	0	500.0		106	83.6	123				
Surr: Toluene-d8	498.7	0	500.0		99.7	81.8	118				

Sample ID: **1704P57-036AMSD** Client ID: **PAW-4** Units: **ug/L** Prep Date: **05/04/2017** Run No: **342485**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **242082** Analysis Date: **05/08/2017** Seq No: **7504210**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	397.1	50	500.0		79.4	64.3	149	395.5	0.404	30.8	
Benzene	425.6	50	500.0		85.1	71.6	132	434.9	2.16	20.7	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental International Corp
Project Name: MTL
Workorder: 1704P57

ANALYTICAL QC SUMMARY REPORT

BatchID: 242082

Sample ID: **1704P57-036AMSD** Client ID: **PAW-4** Units: **ug/L** Prep Date: **05/04/2017** Run No: **342485**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **242082** Analysis Date: **05/08/2017** Seq No: **7504210**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	437.8	50	500.0	21.00	83.4	73.1	126	448.8	2.48	26.6	
Toluene	447.4	50	500.0		89.5	72.5	135	441.8	1.26	23.2	
Trichloroethene	441.7	50	500.0	33.40	81.7	70.2	132	457.0	3.40	27.7	
Surr: 4-Bromofluorobenzene	422.0	0	500.0		84.4	66.1	129	428.6	0	0	
Surr: Dibromofluoromethane	543.5	0	500.0		109	83.6	123	532.3	0	0	
Surr: Toluene-d8	498.0	0	500.0		99.6	81.8	118	498.7	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental International Corp
Project Name: MTL
Workorder: 1704P57

ANALYTICAL QC SUMMARY REPORT

BatchID: 242140

Sample ID: **MB-242140** Client ID: Units: **ug/L** Prep Date: **05/04/2017** Run No: **342280**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **242140** Analysis Date: **05/04/2017** Seq No: **7498744**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1,2,2-Tetrachloroethane	BRL	5.0									
1,1,2-Trichloroethane	BRL	5.0									
1,1-Dichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trichlorobenzene	BRL	5.0									
1,2-Dibromo-3-chloropropane	BRL	5.0									
1,2-Dibromoethane	BRL	5.0									
1,2-Dichlorobenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,2-Dichloropropane	BRL	5.0									
1,3-Dichlorobenzene	BRL	5.0									
1,4-Dichlorobenzene	BRL	5.0									
2-Butanone	BRL	50									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	50									
Benzene	BRL	5.0									
Bromodichloromethane	BRL	5.0									
Bromoform	BRL	5.0									
Bromomethane	BRL	5.0									
Carbon disulfide	BRL	5.0									
Carbon tetrachloride	BRL	5.0									
Chlorobenzene	BRL	5.0									
Chloroethane	BRL	10									
Chloroform	BRL	5.0									
Chloromethane	BRL	10									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental International Corp
Project Name: MTL
Workorder: 1704P57

ANALYTICAL QC SUMMARY REPORT

BatchID: 242140

Sample ID: **MB-242140** Client ID: Units: **ug/L** Prep Date: **05/04/2017** Run No: **342280**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **242140** Analysis Date: **05/04/2017** Seq No: **7498744**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Cyclohexane	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dichlorodifluoromethane	BRL	10									
Ethylbenzene	BRL	5.0									
Freon-113	BRL	10									
Isopropylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
Methyl acetate	BRL	5.0									
Methyl tert-butyl ether	BRL	5.0									
Methylcyclohexane	BRL	5.0									
Methylene chloride	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl chloride	BRL	2.0									
Surr: 4-Bromofluorobenzene	38.43	0	50.00		76.9	66.1	129				
Surr: Dibromofluoromethane	53.34	0	50.00		107	83.6	123				
Surr: Toluene-d8	48.72	0	50.00		97.4	81.8	118				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental International Corp
Project Name: MTL
Workorder: 1704P57

ANALYTICAL QC SUMMARY REPORT

BatchID: 242140

Sample ID: **LCS-242140** Client ID: Units: **ug/L** Prep Date: **05/04/2017** Run No: **342280**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **242140** Analysis Date: **05/04/2017** Seq No: **7498743**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	38.72	5.0	50.00		77.4	68	139				
Benzene	38.89	5.0	50.00		77.8	74	125				
Chlorobenzene	41.57	5.0	50.00		83.1	75.7	123				
Toluene	40.73	5.0	50.00		81.5	75.9	126				
Trichloroethene	37.76	5.0	50.00		75.5	70.6	129				
Surr: 4-Bromofluorobenzene	39.52	0	50.00		79.0	66.1	129				
Surr: Dibromofluoromethane	52.82	0	50.00		106	83.6	123				
Surr: Toluene-d8	49.05	0	50.00		98.1	81.8	118				

Sample ID: **1705039-001AMS** Client ID: Units: **ug/L** Prep Date: **05/04/2017** Run No: **342280**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **242140** Analysis Date: **05/04/2017** Seq No: **7498754**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	58.86	5.0	50.00		118	64.3	149				
Benzene	51.98	5.0	50.00		104	71.6	132				
Chlorobenzene	55.15	5.0	50.00		110	73.1	126				
Toluene	56.81	5.0	50.00		114	72.5	135				
Trichloroethene	50.42	5.0	50.00		101	70.2	132				
Surr: 4-Bromofluorobenzene	37.30	0	50.00		74.6	66.1	129				
Surr: Dibromofluoromethane	53.99	0	50.00		108	83.6	123				
Surr: Toluene-d8	48.15	0	50.00		96.3	81.8	118				

Sample ID: **1705039-001AMSD** Client ID: Units: **ug/L** Prep Date: **05/04/2017** Run No: **342280**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **242140** Analysis Date: **05/04/2017** Seq No: **7498755**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	60.12	5.0	50.00		120	64.3	149	58.86	2.12	30.8	
Benzene	50.75	5.0	50.00		102	71.6	132	51.98	2.39	20.7	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental International Corp
Project Name: MTL
Workorder: 1704P57

ANALYTICAL QC SUMMARY REPORT

BatchID: 242140

Sample ID: **1705039-001AMSD** Client ID:
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B**
Units: **ug/L** Prep Date: **05/04/2017** Run No: **342280**
BatchID: **242140** Analysis Date: **05/04/2017** Seq No: **7498755**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	52.62	5.0	50.00		105	73.1	126	55.15	4.70	26.6	
Toluene	52.86	5.0	50.00		106	72.5	135	56.81	7.20	23.2	
Trichloroethene	47.25	5.0	50.00		94.5	70.2	132	50.42	6.49	27.7	
Surr: 4-Bromofluorobenzene	37.13	0	50.00		74.3	66.1	129	37.30	0	0	
Surr: Dibromofluoromethane	54.60	0	50.00		109	83.6	123	53.99	0	0	
Surr: Toluene-d8	49.14	0	50.00		98.3	81.8	118	48.15	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental International Corp
Project Name: MTL
Workorder: 1704P57

ANALYTICAL QC SUMMARY REPORT

BatchID: 242152

Sample ID: **MB-242152** Client ID: Units: **ug/L** Prep Date: **05/04/2017** Run No: **342229**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **242152** Analysis Date: **05/04/2017** Seq No: **7498939**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1,2,2-Tetrachloroethane	BRL	5.0									
1,1,2-Trichloroethane	BRL	5.0									
1,1-Dichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trichlorobenzene	BRL	5.0									
1,2-Dibromo-3-chloropropane	BRL	5.0									
1,2-Dibromoethane	BRL	5.0									
1,2-Dichlorobenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,2-Dichloropropane	BRL	5.0									
1,3-Dichlorobenzene	BRL	5.0									
1,4-Dichlorobenzene	BRL	5.0									
2-Butanone	BRL	50									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	50									
Benzene	BRL	5.0									
Bromodichloromethane	BRL	5.0									
Bromoform	BRL	5.0									
Bromomethane	BRL	5.0									
Carbon disulfide	BRL	5.0									
Carbon tetrachloride	BRL	5.0									
Chlorobenzene	BRL	5.0									
Chloroethane	BRL	10									
Chloroform	BRL	5.0									
Chloromethane	BRL	10									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental International Corp
Project Name: MTL
Workorder: 1704P57

ANALYTICAL QC SUMMARY REPORT

BatchID: 242152

Sample ID: **MB-242152** Client ID: Units: **ug/L** Prep Date: **05/04/2017** Run No: **342229**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **242152** Analysis Date: **05/04/2017** Seq No: **7498939**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Cyclohexane	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dichlorodifluoromethane	BRL	10									
Ethylbenzene	BRL	5.0									
Freon-113	BRL	10									
Isopropylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
Methyl acetate	BRL	5.0									
Methyl tert-butyl ether	BRL	5.0									
Methylcyclohexane	BRL	5.0									
Methylene chloride	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl chloride	BRL	2.0									
Surr: 4-Bromofluorobenzene	47.46	0	50.00		94.9	66.1	129				
Surr: Dibromofluoromethane	49.76	0	50.00		99.5	83.6	123				
Surr: Toluene-d8	50.36	0	50.00		101	81.8	118				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental International Corp
Project Name: MTL
Workorder: 1704P57

ANALYTICAL QC SUMMARY REPORT

BatchID: 242152

Sample ID: **LCS-242152** Client ID: Units: **ug/L** Prep Date: **05/04/2017** Run No: **342229**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **242152** Analysis Date: **05/04/2017** Seq No: **7498941**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	54.44	5.0	50.00		109	68	139				
Benzene	57.27	5.0	50.00		115	74	125				
Chlorobenzene	50.87	5.0	50.00	0.6600	100	75.7	123				
Toluene	56.72	5.0	50.00		113	75.9	126				
Trichloroethene	49.35	5.0	50.00		98.7	70.6	129				
Surr: 4-Bromofluorobenzene	47.22	0	50.00		94.4	66.1	129				
Surr: Dibromofluoromethane	49.41	0	50.00		98.8	83.6	123				
Surr: Toluene-d8	50.80	0	50.00		102	81.8	118				

Sample ID: **1704P57-001AMS** Client ID: **G-17** Units: **ug/L** Prep Date: **05/04/2017** Run No: **342229**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **242152** Analysis Date: **05/04/2017** Seq No: **7498943**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	2833	250	2500		113	64.3	149				
Benzene	2926	250	2500		117	71.6	132				
Chlorobenzene	2520	250	2500		101	73.1	126				
Toluene	2962	250	2500		118	72.5	135				
Trichloroethene	2486	250	2500		99.5	70.2	132				
Surr: 4-Bromofluorobenzene	2350	0	2500		94.0	66.1	129				
Surr: Dibromofluoromethane	2414	0	2500		96.6	83.6	123				
Surr: Toluene-d8	2573	0	2500		103	81.8	118				

Sample ID: **1704P57-001AMSD** Client ID: **G-17** Units: **ug/L** Prep Date: **05/04/2017** Run No: **342229**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **242152** Analysis Date: **05/04/2017** Seq No: **7498944**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	2652	250	2500		106	64.3	149	2833	6.62	30.8	
Benzene	2858	250	2500		114	71.6	132	2926	2.35	20.7	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental International Corp
Project Name: MTL
Workorder: 1704P57

ANALYTICAL QC SUMMARY REPORT

BatchID: 242152

Sample ID: **1704P57-001AMSD** Client ID: **G-17** Units: **ug/L** Prep Date: **05/04/2017** Run No: **342229**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **242152** Analysis Date: **05/04/2017** Seq No: **7498944**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	2507	250	2500		100	73.1	126	2520	0.497	26.6	
Toluene	2944	250	2500		118	72.5	135	2962	0.609	23.2	
Trichloroethene	2456	250	2500		98.2	70.2	132	2486	1.23	27.7	
Surr: 4-Bromofluorobenzene	2349	0	2500		94.0	66.1	129	2350	0	0	
Surr: Dibromofluoromethane	2454	0	2500		98.1	83.6	123	2414	0	0	
Surr: Toluene-d8	2578	0	2500		103	81.8	118	2573	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

HSI SITE 10406, FORMER MCKENZIE TANK LINES SITE
111 GRANGE ROAD, PORT WENTWORTH, GEORGIA

SEVENTH SEMI-ANNUAL PROGRESS REPORT

ATTACHMENT 3-4 LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES JULY 2017

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

July 20, 2017

Ameila Grant
Environmental International Corp

161 Kimball Bridge Rd
Alpharetta GA 30009

RE: MTL

Dear Ameila Grant: Order No: 1707919

Analytical Environmental Services, Inc. received 11 samples on 7/13/2017 7:33:00 AM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES's accreditations are as follows:
-NELAC/Florida State Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, and Drinking Water Microbiology, effective 07/01/17-06/30/18.
State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective 07/01/17-06/30/18 and Total Coliforms and E. coli, effective 04/25/17-04/24/20.
-NELAC/Louisiana Agency Interest No. 100818 for or analysis of Non-Potable Water and Solid & Chemical Materials, effective 07/01/17-06/30/18.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Metals, PCM Asbestos, Gravimetric), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 09/01/17.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

Jessica Shilling

Jessica Shilling

Project Manager

3080 Presidential Drive • Atlanta, Georgia 30340 • Tel: 770.457.8177 • Fax: 770.457.8188 • Toll Free: 800.972.4889
www.aesatlanta.com

ANALYTICAL ENVIRONMENTAL SERVICES, INC.
3080 Presidential Drive Atlanta, GA 30340-3704
Phone: (770) 457-8177 / Toll-Free: (800) 972-4889 / Fax: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1707919

Date: 7/12/17 Page 1 of 1

COMPANY: EIC	ADDRESS: 161 Kimball Bridge Rd Alpharetta, GA 30009
PHONE: 770-772-7100	EMAIL: agrant@eicusa.com
SAMPLED BY: ADG & RA	SIGNATURE:

#	SAMPLE ID	SAMPLED: DATE	SAMPLED: TIME	GRAB	COMPOSITE	MATRIX (see codes)	8260B	8260B	PRESERVATION (see codes)		REMARKS	Number of Containers
1	G-22R	7/12/17	1312	✓		GW	2					2
2	MW-57S	7/12/17	1047	✓		GW	2					2
3	MW-58D	7/12/17	935	✓		GW	2					2
4	SB-101 (1-2)	7/11/17	1613	✓		SO		✓				4
5	SB-102 (1-2)	7/11/17	1623	✓		SO		✓				4
6	SB-103 (0-1)	7/11/17	1634	✓		SO		✓				4
7	SB-104 (1-2)	7/11/17	1644	✓		SO		✓				4
8	SB-105 (1-2)	7/11/17	1659	✓		SO		✓				4
9	SB-106 (1-2)	7/11/17	1712	✓		SO		✓				4
10	SB-107 (1-2)	7/11/17	1728	✓		SO		✓				4
11												
12												
13												
14												

ANALYSIS REQUESTED

Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AESAccess account.

RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
1.	7/12/17 1914	1.	7/13/17 733
2.		2.	
3.		3.	

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD
OUT: / / VIA:
IN: / / VIA:
client FedEx UPS US mail courier Greyhound
other: Dropoff

PROJECT INFORMATION
PROJECT NAME: MTL
PROJECT #: 460017
SITE ADDRESS:
SEND REPORT TO: agrant@eicusa.com
INVOICE TO:
(IF DIFFERENT FROM ABOVE)
QUOTE #: PO#:

RECEIPT
Total # of Containers: 34

Turnaround Time (TAT) Request
☑ Standard 5 Business Days
☐ 2 Business Day Rush
☐ Next Business Day Rush
☐ Same-Day Rush (auth req.)
☐ Other

STATE PROGRAM (if any):
E-mail? ☐ Fax? ☐
DATA PACKAGE: I ○ II ○ III ○ IV ○

Submission of samples to the laboratory constitutes acceptance of AES's Terms & Conditions. Samples received after 3PM or on Saturday are considered as received the following business day. If no TAT is marked on COC, AES will proceed with standard TAT. Samples are disposed of 30 days after completion of report unless other arangements are made.

Matrix Codes: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water WW = Waste Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify)

Preservative Codes: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc

Date: 20-Jul-17

Client: Environmental International Corp
Project: MTL
Lab ID: 1707919

Case Narrative

Sample Receiving Nonconformance:

A Trip Blank was provided but not listed on the Chain of Custody. Trip blank analyzed at no cost to the client.

Volatile Organic Compounds Analysis by Method 8260B:

Percent recovery for the internal standard compound 1,4-Dichlorobenzene-d4 on samples 1707919-004A, -008A, -009A, & -010A was outside control limits biased low due to suspected matrix interference. All other internal standard recoveries were within control limits.

Percent recovery for the internal standard compounds Chlorobenzene-d5 and 1,4-Dichlorobenzene-d4 on samples 1707919-005A,006A, & -007A was outside control limits biased low due to suspected matrix interference. The samples were ran twice.

Analytical Environmental Services, Inc

Date: 20-Jul-17

Client:	Environmental International Corp	**Client Sample ID:**	G-22R
Project Name:	MTL	**Collection Date:**	7/12/2017 1:12:00 PM
Lab ID:	1707919-001	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,1,1-Trichloroethane	BRL		0.30	5.0	ug/L	245734	1	07/19/2017 18:11	NP
1,1,2,2-Tetrachloroethane	BRL		0.34	5.0	ug/L	245734	1	07/19/2017 18:11	NP
1,1,2-Trichloroethane	BRL		0.43	5.0	ug/L	245734	1	07/19/2017 18:11	NP
1,1-Dichloroethane	BRL		0.43	5.0	ug/L	245734	1	07/19/2017 18:11	NP
1,1-Dichloroethene	BRL		0.40	5.0	ug/L	245734	1	07/19/2017 18:11	NP
1,2,4-Trichlorobenzene	BRL		0.39	5.0	ug/L	245734	1	07/19/2017 18:11	NP
1,2-Dibromo-3-chloropropane	BRL		0.68	5.0	ug/L	245734	1	07/19/2017 18:11	NP
1,2-Dibromoethane	BRL		0.57	5.0	ug/L	245734	1	07/19/2017 18:11	NP
1,2-Dichlorobenzene	BRL		0.45	5.0	ug/L	245734	1	07/19/2017 18:11	NP
1,2-Dichloroethane	BRL		0.37	5.0	ug/L	245734	1	07/19/2017 18:11	NP
1,2-Dichloropropane	BRL		0.35	5.0	ug/L	245734	1	07/19/2017 18:11	NP
1,3-Dichlorobenzene	BRL		0.31	5.0	ug/L	245734	1	07/19/2017 18:11	NP
1,4-Dichlorobenzene	BRL		0.33	5.0	ug/L	245734	1	07/19/2017 18:11	NP
2-Butanone	BRL		2.5	50	ug/L	245734	1	07/19/2017 18:11	NP
2-Hexanone	BRL		0.67	10	ug/L	245734	1	07/19/2017 18:11	NP
4-Methyl-2-pentanone	BRL		0.44	10	ug/L	245734	1	07/19/2017 18:11	NP
Acetone	BRL		3.6	50	ug/L	245734	1	07/19/2017 18:11	NP
Benzene	BRL		0.37	5.0	ug/L	245734	1	07/19/2017 18:11	NP
Bromodichloromethane	BRL		0.25	5.0	ug/L	245734	1	07/19/2017 18:11	NP
Bromoform	BRL		0.19	5.0	ug/L	245734	1	07/19/2017 18:11	NP
Bromomethane	BRL		0.39	5.0	ug/L	245734	1	07/19/2017 18:11	NP
Carbon disulfide	BRL		0.74	5.0	ug/L	245734	1	07/19/2017 18:11	NP
Carbon tetrachloride	BRL		0.29	5.0	ug/L	245734	1	07/19/2017 18:11	NP
Chlorobenzene	BRL		0.42	5.0	ug/L	245734	1	07/19/2017 18:11	NP
Chloroethane	BRL		0.31	10	ug/L	245734	1	07/19/2017 18:11	NP
Chloroform	BRL		0.20	5.0	ug/L	245734	1	07/19/2017 18:11	NP
Chloromethane	BRL		0.21	10	ug/L	245734	1	07/19/2017 18:11	NP
cis-1,2-Dichloroethene	BRL		0.28	5.0	ug/L	245734	1	07/19/2017 18:11	NP
cis-1,3-Dichloropropene	BRL		0.31	5.0	ug/L	245734	1	07/19/2017 18:11	NP
Cyclohexane	BRL		1.0	5.0	ug/L	245734	1	07/19/2017 18:11	NP
Dibromochloromethane	BRL		0.43	5.0	ug/L	245734	1	07/19/2017 18:11	NP
Dichlorodifluoromethane	BRL		0.15	10	ug/L	245734	1	07/19/2017 18:11	NP
Ethylbenzene	BRL		0.26	5.0	ug/L	245734	1	07/19/2017 18:11	NP
Freon-113	BRL		0.32	10	ug/L	245734	1	07/19/2017 18:11	NP
Isopropylbenzene	BRL		0.43	5.0	ug/L	245734	1	07/19/2017 18:11	NP
m,p-Xylene	BRL		0.60	5.0	ug/L	245734	1	07/19/2017 18:11	NP
Methyl acetate	BRL		0.42	5.0	ug/L	245734	1	07/19/2017 18:11	NP
Methyl tert-butyl ether	BRL		0.45	5.0	ug/L	245734	1	07/19/2017 18:11	NP
Methylcyclohexane	BRL		0.39	5.0	ug/L	245734	1	07/19/2017 18:11	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 20-Jul-17

Client:	Environmental International Corp	**Client Sample ID:**	G-22R
Project Name:	MTL	**Collection Date:**	7/12/2017 1:12:00 PM
Lab ID:	1707919-001	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
Methylene chloride	BRL		1.2	5.0	ug/L	245734	1	07/19/2017 18:11	NP
o-Xylene	BRL		0.18	5.0	ug/L	245734	1	07/19/2017 18:11	NP
Styrene	BRL		0.15	5.0	ug/L	245734	1	07/19/2017 18:11	NP
Tetrachloroethene	BRL		0.46	5.0	ug/L	245734	1	07/19/2017 18:11	NP
Toluene	BRL		0.39	5.0	ug/L	245734	1	07/19/2017 18:11	NP
trans-1,2-Dichloroethene	BRL		0.30	5.0	ug/L	245734	1	07/19/2017 18:11	NP
trans-1,3-Dichloropropene	BRL		0.32	5.0	ug/L	245734	1	07/19/2017 18:11	NP
Trichloroethene	BRL		0.30	5.0	ug/L	245734	1	07/19/2017 18:11	NP
Trichlorofluoromethane	BRL		0.18	5.0	ug/L	245734	1	07/19/2017 18:11	NP
Vinyl chloride	BRL		0.30	2.0	ug/L	245734	1	07/19/2017 18:11	NP
Surr: 4-Bromofluorobenzene	95.5		0	66.1-129	%REC	245734	1	07/19/2017 18:11	NP
Surr: Dibromofluoromethane	93.9		0	83.6-123	%REC	245734	1	07/19/2017 18:11	NP
Surr: Toluene-d8	99.6		0	81.8-118	%REC	245734	1	07/19/2017 18:11	NP

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value
NC	Not confirmed	Narr	See case narrative

Analytical Environmental Services, Inc **Date:** 20-Jul-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-57S
Project Name:	MTL	**Collection Date:**	7/12/2017 10:47:00 AM
Lab ID:	1707919-002	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,1,1-Trichloroethane	BRL		0.30	5.0	ug/L	245734	1	07/19/2017 18:37	NP
1,1,2,2-Tetrachloroethane	BRL		0.34	5.0	ug/L	245734	1	07/19/2017 18:37	NP
1,1,2-Trichloroethane	BRL		0.43	5.0	ug/L	245734	1	07/19/2017 18:37	NP
1,1-Dichloroethane	BRL		0.43	5.0	ug/L	245734	1	07/19/2017 18:37	NP
1,1-Dichloroethene	BRL		0.40	5.0	ug/L	245734	1	07/19/2017 18:37	NP
1,2,4-Trichlorobenzene	BRL		0.39	5.0	ug/L	245734	1	07/19/2017 18:37	NP
1,2-Dibromo-3-chloropropane	BRL		0.68	5.0	ug/L	245734	1	07/19/2017 18:37	NP
1,2-Dibromoethane	BRL		0.57	5.0	ug/L	245734	1	07/19/2017 18:37	NP
1,2-Dichlorobenzene	BRL		0.45	5.0	ug/L	245734	1	07/19/2017 18:37	NP
1,2-Dichloroethane	BRL		0.37	5.0	ug/L	245734	1	07/19/2017 18:37	NP
1,2-Dichloropropane	BRL		0.35	5.0	ug/L	245734	1	07/19/2017 18:37	NP
1,3-Dichlorobenzene	BRL		0.31	5.0	ug/L	245734	1	07/19/2017 18:37	NP
1,4-Dichlorobenzene	BRL		0.33	5.0	ug/L	245734	1	07/19/2017 18:37	NP
2-Butanone	BRL		2.5	50	ug/L	245734	1	07/19/2017 18:37	NP
2-Hexanone	BRL		0.67	10	ug/L	245734	1	07/19/2017 18:37	NP
4-Methyl-2-pentanone	BRL		0.44	10	ug/L	245734	1	07/19/2017 18:37	NP
Acetone	BRL		3.6	50	ug/L	245734	1	07/19/2017 18:37	NP
Benzene	BRL		0.37	5.0	ug/L	245734	1	07/19/2017 18:37	NP
Bromodichloromethane	BRL		0.25	5.0	ug/L	245734	1	07/19/2017 18:37	NP
Bromoform	BRL		0.19	5.0	ug/L	245734	1	07/19/2017 18:37	NP
Bromomethane	BRL		0.39	5.0	ug/L	245734	1	07/19/2017 18:37	NP
Carbon disulfide	BRL		0.74	5.0	ug/L	245734	1	07/19/2017 18:37	NP
Carbon tetrachloride	BRL		0.29	5.0	ug/L	245734	1	07/19/2017 18:37	NP
Chlorobenzene	BRL		0.42	5.0	ug/L	245734	1	07/19/2017 18:37	NP
Chloroethane	BRL		0.31	10	ug/L	245734	1	07/19/2017 18:37	NP
Chloroform	BRL		0.20	5.0	ug/L	245734	1	07/19/2017 18:37	NP
Chloromethane	BRL		0.21	10	ug/L	245734	1	07/19/2017 18:37	NP
cis-1,2-Dichloroethene	19		0.28	5.0	ug/L	245734	1	07/19/2017 18:37	NP
cis-1,3-Dichloropropene	BRL		0.31	5.0	ug/L	245734	1	07/19/2017 18:37	NP
Cyclohexane	BRL		1.0	5.0	ug/L	245734	1	07/19/2017 18:37	NP
Dibromochloromethane	BRL		0.43	5.0	ug/L	245734	1	07/19/2017 18:37	NP
Dichlorodifluoromethane	BRL		0.15	10	ug/L	245734	1	07/19/2017 18:37	NP
Ethylbenzene	BRL		0.26	5.0	ug/L	245734	1	07/19/2017 18:37	NP
Freon-113	BRL		0.32	10	ug/L	245734	1	07/19/2017 18:37	NP
Isopropylbenzene	BRL		0.43	5.0	ug/L	245734	1	07/19/2017 18:37	NP
m,p-Xylene	BRL		0.60	5.0	ug/L	245734	1	07/19/2017 18:37	NP
Methyl acetate	BRL		0.42	5.0	ug/L	245734	1	07/19/2017 18:37	NP
Methyl tert-butyl ether	BRL		0.45	5.0	ug/L	245734	1	07/19/2017 18:37	NP
Methylcyclohexane	BRL		0.39	5.0	ug/L	245734	1	07/19/2017 18:37	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 20-Jul-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-57S
Project Name:	MTL	**Collection Date:**	7/12/2017 10:47:00 AM
Lab ID:	1707919-002	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B (SW5030B)									
Methylene chloride	BRL		1.2	5.0	ug/L	245734	1	07/19/2017 18:37	NP
o-Xylene	BRL		0.18	5.0	ug/L	245734	1	07/19/2017 18:37	NP
Styrene	BRL		0.15	5.0	ug/L	245734	1	07/19/2017 18:37	NP
Tetrachloroethene	4.7	J	0.46	5.0	ug/L	245734	1	07/19/2017 18:37	NP
Toluene	BRL		0.39	5.0	ug/L	245734	1	07/19/2017 18:37	NP
trans-1,2-Dichloroethene	BRL		0.30	5.0	ug/L	245734	1	07/19/2017 18:37	NP
trans-1,3-Dichloropropene	BRL		0.32	5.0	ug/L	245734	1	07/19/2017 18:37	NP
Trichloroethene	5.8		0.30	5.0	ug/L	245734	1	07/19/2017 18:37	NP
Trichlorofluoromethane	BRL		0.18	5.0	ug/L	245734	1	07/19/2017 18:37	NP
Vinyl chloride	BRL		0.30	2.0	ug/L	245734	1	07/19/2017 18:37	NP
Surr: 4-Bromofluorobenzene	94.3		0	66.1-129	%REC	245734	1	07/19/2017 18:37	NP
Surr: Dibromofluoromethane	95.1		0	83.6-123	%REC	245734	1	07/19/2017 18:37	NP
Surr: Toluene-d8	98.8		0	81.8-118	%REC	245734	1	07/19/2017 18:37	NP

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value
NC	Not confirmed	Narr	See case narrative

Analytical Environmental Services, Inc **Date:** 20-Jul-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-58D
Project Name:	MTL	**Collection Date:**	7/12/2017 9:35:00 AM
Lab ID:	1707919-003	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,1,1-Trichloroethane	BRL		0.30	5.0	ug/L	245734	1	07/19/2017 19:03	NP
1,1,2,2-Tetrachloroethane	BRL		0.34	5.0	ug/L	245734	1	07/19/2017 19:03	NP
1,1,2-Trichloroethane	BRL		0.43	5.0	ug/L	245734	1	07/19/2017 19:03	NP
1,1-Dichloroethane	BRL		0.43	5.0	ug/L	245734	1	07/19/2017 19:03	NP
1,1-Dichloroethene	BRL		0.40	5.0	ug/L	245734	1	07/19/2017 19:03	NP
1,2,4-Trichlorobenzene	BRL		0.39	5.0	ug/L	245734	1	07/19/2017 19:03	NP
1,2-Dibromo-3-chloropropane	BRL		0.68	5.0	ug/L	245734	1	07/19/2017 19:03	NP
1,2-Dibromoethane	BRL		0.57	5.0	ug/L	245734	1	07/19/2017 19:03	NP
1,2-Dichlorobenzene	BRL		0.45	5.0	ug/L	245734	1	07/19/2017 19:03	NP
1,2-Dichloroethane	BRL		0.37	5.0	ug/L	245734	1	07/19/2017 19:03	NP
1,2-Dichloropropane	BRL		0.35	5.0	ug/L	245734	1	07/19/2017 19:03	NP
1,3-Dichlorobenzene	BRL		0.31	5.0	ug/L	245734	1	07/19/2017 19:03	NP
1,4-Dichlorobenzene	BRL		0.33	5.0	ug/L	245734	1	07/19/2017 19:03	NP
2-Butanone	BRL		2.5	50	ug/L	245734	1	07/19/2017 19:03	NP
2-Hexanone	BRL		0.67	10	ug/L	245734	1	07/19/2017 19:03	NP
4-Methyl-2-pentanone	BRL		0.44	10	ug/L	245734	1	07/19/2017 19:03	NP
Acetone	BRL		3.6	50	ug/L	245734	1	07/19/2017 19:03	NP
Benzene	BRL		0.37	5.0	ug/L	245734	1	07/19/2017 19:03	NP
Bromodichloromethane	BRL		0.25	5.0	ug/L	245734	1	07/19/2017 19:03	NP
Bromoform	BRL		0.19	5.0	ug/L	245734	1	07/19/2017 19:03	NP
Bromomethane	BRL		0.39	5.0	ug/L	245734	1	07/19/2017 19:03	NP
Carbon disulfide	BRL		0.74	5.0	ug/L	245734	1	07/19/2017 19:03	NP
Carbon tetrachloride	BRL		0.29	5.0	ug/L	245734	1	07/19/2017 19:03	NP
Chlorobenzene	BRL		0.42	5.0	ug/L	245734	1	07/19/2017 19:03	NP
Chloroethane	BRL		0.31	10	ug/L	245734	1	07/19/2017 19:03	NP
Chloroform	BRL		0.20	5.0	ug/L	245734	1	07/19/2017 19:03	NP
Chloromethane	BRL		0.21	10	ug/L	245734	1	07/19/2017 19:03	NP
cis-1,2-Dichloroethene	BRL		0.28	5.0	ug/L	245734	1	07/19/2017 19:03	NP
cis-1,3-Dichloropropene	BRL		0.31	5.0	ug/L	245734	1	07/19/2017 19:03	NP
Cyclohexane	BRL		1.0	5.0	ug/L	245734	1	07/19/2017 19:03	NP
Dibromochloromethane	BRL		0.43	5.0	ug/L	245734	1	07/19/2017 19:03	NP
Dichlorodifluoromethane	BRL		0.15	10	ug/L	245734	1	07/19/2017 19:03	NP
Ethylbenzene	BRL		0.26	5.0	ug/L	245734	1	07/19/2017 19:03	NP
Freon-113	BRL		0.32	10	ug/L	245734	1	07/19/2017 19:03	NP
Isopropylbenzene	BRL		0.43	5.0	ug/L	245734	1	07/19/2017 19:03	NP
m,p-Xylene	BRL		0.60	5.0	ug/L	245734	1	07/19/2017 19:03	NP
Methyl acetate	BRL		0.42	5.0	ug/L	245734	1	07/19/2017 19:03	NP
Methyl tert-butyl ether	BRL		0.45	5.0	ug/L	245734	1	07/19/2017 19:03	NP
Methylcyclohexane	BRL		0.39	5.0	ug/L	245734	1	07/19/2017 19:03	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 20-Jul-17

Client:	Environmental International Corp	**Client Sample ID:**	MW-58D
Project Name:	MTL	**Collection Date:**	7/12/2017 9:35:00 AM
Lab ID:	1707919-003	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B (SW5030B)									
Methylene chloride	BRL		1.2	5.0	ug/L	245734	1	07/19/2017 19:03	NP
o-Xylene	BRL		0.18	5.0	ug/L	245734	1	07/19/2017 19:03	NP
Styrene	BRL		0.15	5.0	ug/L	245734	1	07/19/2017 19:03	NP
Tetrachloroethene	BRL		0.46	5.0	ug/L	245734	1	07/19/2017 19:03	NP
Toluene	BRL		0.39	5.0	ug/L	245734	1	07/19/2017 19:03	NP
trans-1,2-Dichloroethene	BRL		0.30	5.0	ug/L	245734	1	07/19/2017 19:03	NP
trans-1,3-Dichloropropene	BRL		0.32	5.0	ug/L	245734	1	07/19/2017 19:03	NP
Trichloroethene	BRL		0.30	5.0	ug/L	245734	1	07/19/2017 19:03	NP
Trichlorofluoromethane	BRL		0.18	5.0	ug/L	245734	1	07/19/2017 19:03	NP
Vinyl chloride	BRL		0.30	2.0	ug/L	245734	1	07/19/2017 19:03	NP
Surr: 4-Bromofluorobenzene	95.3		0	66.1-129	%REC	245734	1	07/19/2017 19:03	NP
Surr: Dibromofluoromethane	95.4		0	83.6-123	%REC	245734	1	07/19/2017 19:03	NP
Surr: Toluene-d8	99		0	81.8-118	%REC	245734	1	07/19/2017 19:03	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 20-Jul-17

Client:	Environmental International Corp	**Client Sample ID:**	SB-101 (1-2)
Project Name:	MTL	**Collection Date:**	7/11/2017 4:13:00 PM
Lab ID:	1707919-004	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		1.1	4.1	ug/Kg-dry	245578	1	07/17/2017 20:18	MD
1,1,2,2-Tetrachloroethane	BRL		1.3	4.1	ug/Kg-dry	245578	1	07/17/2017 20:18	MD
1,1,2-Trichloroethane	BRL		1.3	4.1	ug/Kg-dry	245578	1	07/17/2017 20:18	MD
1,1-Dichloroethane	6.6		1.2	4.1	ug/Kg-dry	245578	1	07/17/2017 20:18	MD
1,1-Dichloroethene	BRL		0.81	4.1	ug/Kg-dry	245578	1	07/17/2017 20:18	MD
1,2,4-Trichlorobenzene	BRL		1.6	4.1	ug/Kg-dry	245578	1	07/17/2017 20:18	MD
1,2-Dibromo-3-chloropropane	BRL		1.7	4.1	ug/Kg-dry	245578	1	07/17/2017 20:18	MD
1,2-Dibromoethane	BRL		1.3	4.1	ug/Kg-dry	245578	1	07/17/2017 20:18	MD
1,2-Dichlorobenzene	BRL		1.3	4.1	ug/Kg-dry	245578	1	07/17/2017 20:18	MD
1,2-Dichloroethane	BRL		1.3	4.1	ug/Kg-dry	245578	1	07/17/2017 20:18	MD
1,2-Dichloropropane	BRL		1.2	4.1	ug/Kg-dry	245578	1	07/17/2017 20:18	MD
1,3-Dichlorobenzene	BRL		1.0	4.1	ug/Kg-dry	245578	1	07/17/2017 20:18	MD
1,4-Dichlorobenzene	BRL		1.5	4.1	ug/Kg-dry	245578	1	07/17/2017 20:18	MD
2-Butanone	BRL		5.1	41	ug/Kg-dry	245578	1	07/17/2017 20:18	MD
2-Hexanone	BRL		3.2	8.2	ug/Kg-dry	245578	1	07/17/2017 20:18	MD
4-Methyl-2-pentanone	BRL		2.1	8.2	ug/Kg-dry	245578	1	07/17/2017 20:18	MD
Acetone	29	J	4.2	82	ug/Kg-dry	245578	1	07/17/2017 20:18	MD
Benzene	BRL		0.49	4.1	ug/Kg-dry	245578	1	07/17/2017 20:18	MD
Bromodichloromethane	BRL		1.1	4.1	ug/Kg-dry	245578	1	07/17/2017 20:18	MD
Bromoform	BRL		1.1	4.1	ug/Kg-dry	245578	1	07/17/2017 20:18	MD
Bromomethane	BRL		1.8	4.1	ug/Kg-dry	245578	1	07/17/2017 20:18	MD
Carbon disulfide	BRL		2.3	8.2	ug/Kg-dry	245578	1	07/17/2017 20:18	MD
Carbon tetrachloride	BRL		1.1	4.1	ug/Kg-dry	245578	1	07/17/2017 20:18	MD
Chlorobenzene	BRL		1.2	4.1	ug/Kg-dry	245578	1	07/17/2017 20:18	MD
Chloroethane	BRL		2.2	8.2	ug/Kg-dry	245578	1	07/17/2017 20:18	MD
Chloroform	BRL		0.99	4.1	ug/Kg-dry	245578	1	07/17/2017 20:18	MD
Chloromethane	BRL		1.5	8.2	ug/Kg-dry	245578	1	07/17/2017 20:18	MD
cis-1,2-Dichloroethene	1600		98	270	ug/Kg-dry	245606	50	07/19/2017 21:12	NP
cis-1,3-Dichloropropene	BRL		1.5	4.1	ug/Kg-dry	245578	1	07/17/2017 20:18	MD
Cyclohexane	BRL		0.92	4.1	ug/Kg-dry	245578	1	07/17/2017 20:18	MD
Dibromochloromethane	BRL		1.1	4.1	ug/Kg-dry	245578	1	07/17/2017 20:18	MD
Dichlorodifluoromethane	BRL		1.2	8.2	ug/Kg-dry	245578	1	07/17/2017 20:18	MD
Ethylbenzene	BRL		0.41	4.1	ug/Kg-dry	245578	1	07/17/2017 20:18	MD
Freon-113	BRL		1.1	8.2	ug/Kg-dry	245578	1	07/17/2017 20:18	MD
Isopropylbenzene	BRL		1.2	4.1	ug/Kg-dry	245578	1	07/17/2017 20:18	MD
m,p-Xylene	BRL		0.78	4.1	ug/Kg-dry	245578	1	07/17/2017 20:18	MD
Methyl acetate	BRL		2.1	4.1	ug/Kg-dry	245578	1	07/17/2017 20:18	MD
Methyl tert-butyl ether	BRL		0.94	4.1	ug/Kg-dry	245578	1	07/17/2017 20:18	MD
Methylcyclohexane	BRL		1.3	4.1	ug/Kg-dry	245578	1	07/17/2017 20:18	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 20-Jul-17

Client:	Environmental International Corp	**Client Sample ID:**	SB-101 (1-2)
Project Name:	MTL	**Collection Date:**	7/11/2017 4:13:00 PM
Lab ID:	1707919-004	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
Methylene chloride	BRL		4.1	16	ug/Kg-dry	245578	1	07/17/2017 20:18	MD
o-Xylene	BRL		0.42	4.1	ug/Kg-dry	245578	1	07/17/2017 20:18	MD
Styrene	BRL		1.1	4.1	ug/Kg-dry	245578	1	07/17/2017 20:18	MD
Tetrachloroethene	90		1.2	4.1	ug/Kg-dry	245578	1	07/17/2017 20:18	MD
Toluene	0.68	J	0.44	4.1	ug/Kg-dry	245578	1	07/17/2017 20:18	MD
trans-1,2-Dichloroethene	110		1.4	4.1	ug/Kg-dry	245578	1	07/17/2017 20:18	MD
trans-1,3-Dichloropropene	BRL		1.0	4.1	ug/Kg-dry	245578	1	07/17/2017 20:18	MD
Trichloroethene	780		74	270	ug/Kg-dry	245606	50	07/19/2017 21:12	NP
Trichlorofluoromethane	BRL		1.9	4.1	ug/Kg-dry	245578	1	07/17/2017 20:18	MD
Vinyl chloride	BRL		1.7	8.2	ug/Kg-dry	245578	1	07/17/2017 20:18	MD
Surr: 4-Bromofluorobenzene	95.7		0	63-125	%REC	245606	50	07/19/2017 21:12	NP
Surr: 4-Bromofluorobenzene	78.5		0	63-125	%REC	245578	1	07/17/2017 20:18	MD
Surr: Dibromofluoromethane	91.5		0	69.9-123	%REC	245606	50	07/19/2017 21:12	NP
Surr: Dibromofluoromethane	113		0	69.9-123	%REC	245578	1	07/17/2017 20:18	MD
Surr: Toluene-d8	97.7		0	70-122	%REC	245606	50	07/19/2017 21:12	NP
Surr: Toluene-d8	91.7		0	70-122	%REC	245578	1	07/17/2017 20:18	MD
PERCENT MOISTURE D2216									
Percent Moisture	22.7		0	0	wt%	R347583	1	07/14/2017 08:00	VH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value
NC	Not confirmed	Narr	See case narrative

Analytical Environmental Services, Inc **Date:** 20-Jul-17

Client:	Environmental International Corp	**Client Sample ID:**	SB-102 (1-2)
Project Name:	MTL	**Collection Date:**	7/11/2017 4:23:00 PM
Lab ID:	1707919-005	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		1.2	4.4	ug/Kg-dry	245578	1	07/17/2017 20:43	MD
1,1,2,2-Tetrachloroethane	BRL		1.4	4.4	ug/Kg-dry	245578	1	07/17/2017 20:43	MD
1,1,2-Trichloroethane	BRL		1.4	4.4	ug/Kg-dry	245578	1	07/17/2017 20:43	MD
1,1-Dichloroethane	BRL		1.2	4.4	ug/Kg-dry	245578	1	07/17/2017 20:43	MD
1,1-Dichloroethene	BRL		0.87	4.4	ug/Kg-dry	245578	1	07/17/2017 20:43	MD
1,2,4-Trichlorobenzene	BRL		1.8	4.4	ug/Kg-dry	245578	1	07/17/2017 20:43	MD
1,2-Dibromo-3-chloropropane	BRL		1.9	4.4	ug/Kg-dry	245578	1	07/17/2017 20:43	MD
1,2-Dibromoethane	BRL		1.4	4.4	ug/Kg-dry	245578	1	07/17/2017 20:43	MD
1,2-Dichlorobenzene	BRL		1.4	4.4	ug/Kg-dry	245578	1	07/17/2017 20:43	MD
1,2-Dichloroethane	BRL		1.4	4.4	ug/Kg-dry	245578	1	07/17/2017 20:43	MD
1,2-Dichloropropane	BRL		1.3	4.4	ug/Kg-dry	245578	1	07/17/2017 20:43	MD
1,3-Dichlorobenzene	BRL		1.1	4.4	ug/Kg-dry	245578	1	07/17/2017 20:43	MD
1,4-Dichlorobenzene	BRL		1.6	4.4	ug/Kg-dry	245578	1	07/17/2017 20:43	MD
2-Butanone	BRL		5.5	44	ug/Kg-dry	245578	1	07/17/2017 20:43	MD
2-Hexanone	BRL		3.4	8.9	ug/Kg-dry	245578	1	07/17/2017 20:43	MD
4-Methyl-2-pentanone	BRL		2.3	8.9	ug/Kg-dry	245578	1	07/17/2017 20:43	MD
Acetone	95		4.5	89	ug/Kg-dry	245578	1	07/17/2017 20:43	MD
Benzene	BRL		0.53	4.4	ug/Kg-dry	245578	1	07/17/2017 20:43	MD
Bromodichloromethane	BRL		1.2	4.4	ug/Kg-dry	245578	1	07/17/2017 20:43	MD
Bromoform	BRL		1.2	4.4	ug/Kg-dry	245578	1	07/17/2017 20:43	MD
Bromomethane	BRL		2.0	4.4	ug/Kg-dry	245578	1	07/17/2017 20:43	MD
Carbon disulfide	BRL		2.4	8.9	ug/Kg-dry	245578	1	07/17/2017 20:43	MD
Carbon tetrachloride	BRL		1.2	4.4	ug/Kg-dry	245578	1	07/17/2017 20:43	MD
Chlorobenzene	BRL		1.3	4.4	ug/Kg-dry	245578	1	07/17/2017 20:43	MD
Chloroethane	BRL		2.4	8.9	ug/Kg-dry	245578	1	07/17/2017 20:43	MD
Chloroform	BRL		1.1	4.4	ug/Kg-dry	245578	1	07/17/2017 20:43	MD
Chloromethane	BRL		1.7	8.9	ug/Kg-dry	245578	1	07/17/2017 20:43	MD
cis-1,2-Dichloroethene	23		1.6	4.4	ug/Kg-dry	245578	1	07/17/2017 20:43	MD
cis-1,3-Dichloropropene	BRL		1.6	4.4	ug/Kg-dry	245578	1	07/17/2017 20:43	MD
Cyclohexane	BRL		0.99	4.4	ug/Kg-dry	245578	1	07/17/2017 20:43	MD
Dibromochloromethane	BRL		1.2	4.4	ug/Kg-dry	245578	1	07/17/2017 20:43	MD
Dichlorodifluoromethane	BRL		1.3	8.9	ug/Kg-dry	245578	1	07/17/2017 20:43	MD
Ethylbenzene	BRL		0.45	4.4	ug/Kg-dry	245578	1	07/17/2017 20:43	MD
Freon-113	BRL		1.2	8.9	ug/Kg-dry	245578	1	07/17/2017 20:43	MD
Isopropylbenzene	BRL		1.3	4.4	ug/Kg-dry	245578	1	07/17/2017 20:43	MD
m,p-Xylene	BRL		0.84	4.4	ug/Kg-dry	245578	1	07/17/2017 20:43	MD
Methyl acetate	BRL		2.3	4.4	ug/Kg-dry	245578	1	07/17/2017 20:43	MD
Methyl tert-butyl ether	BRL		1.0	4.4	ug/Kg-dry	245578	1	07/17/2017 20:43	MD
Methylcyclohexane	BRL		1.4	4.4	ug/Kg-dry	245578	1	07/17/2017 20:43	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 20-Jul-17

Client:	Environmental International Corp	**Client Sample ID:**	SB-102 (1-2)
Project Name:	MTL	**Collection Date:**	7/11/2017 4:23:00 PM
Lab ID:	1707919-005	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B (SW5035)									
Methylene chloride	BRL		4.5	18	ug/Kg-dry	245578	1	07/17/2017 20:43	MD
o-Xylene	BRL		0.46	4.4	ug/Kg-dry	245578	1	07/17/2017 20:43	MD
Styrene	1.8	J	1.2	4.4	ug/Kg-dry	245578	1	07/17/2017 20:43	MD
Tetrachloroethene	96		1.3	4.4	ug/Kg-dry	245578	1	07/17/2017 20:43	MD
Toluene	6.2		0.47	4.4	ug/Kg-dry	245578	1	07/17/2017 20:43	MD
trans-1,2-Dichloroethene	8.5		1.5	4.4	ug/Kg-dry	245578	1	07/17/2017 20:43	MD
trans-1,3-Dichloropropene	BRL		1.1	4.4	ug/Kg-dry	245578	1	07/17/2017 20:43	MD
Trichloroethene	12		1.2	4.4	ug/Kg-dry	245578	1	07/17/2017 20:43	MD
Trichlorofluoromethane	BRL		2.1	4.4	ug/Kg-dry	245578	1	07/17/2017 20:43	MD
Vinyl chloride	BRL		1.9	8.9	ug/Kg-dry	245578	1	07/17/2017 20:43	MD
Surr: 4-Bromofluorobenzene	83.3		0	63-125	%REC	245578	1	07/17/2017 20:43	MD
Surr: Dibromofluoromethane	109		0	69.9-123	%REC	245578	1	07/17/2017 20:43	MD
Surr: Toluene-d8	93.5		0	70-122	%REC	245578	1	07/17/2017 20:43	MD
PERCENT MOISTURE D2216									
Percent Moisture	23.9		0	0	wt%	R347583	1	07/14/2017 08:00	VH

Qualifiers:

* Value exceeds maximum contaminant level	E Estimated value above quantitation range
BRL Not detected at MDL	S Spike Recovery outside limits due to matrix
H Holding times for preparation or analysis exceeded	J Estimated value detected below Reporting Limit
N Analyte not NELAC certified	> Greater than Result value
B Analyte detected in the associated method blank	< Less than Result value
NC Not confirmed	Narr See case narrative

Analytical Environmental Services, Inc **Date:** 20-Jul-17

Client:	Environmental International Corp	**Client Sample ID:**	SB-103 (0-1)
Project Name:	MTL	**Collection Date:**	7/11/2017 4:34:00 PM
Lab ID:	1707919-006	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		4.0	15	ug/Kg-dry	245578	1	07/18/2017 15:19	MD
1,1,2,2-Tetrachloroethane	BRL		4.6	15	ug/Kg-dry	245578	1	07/18/2017 15:19	MD
1,1,2-Trichloroethane	BRL		4.6	15	ug/Kg-dry	245578	1	07/18/2017 15:19	MD
1,1-Dichloroethane	BRL		4.2	15	ug/Kg-dry	245578	1	07/18/2017 15:19	MD
1,1-Dichloroethene	BRL		3.0	15	ug/Kg-dry	245578	1	07/18/2017 15:19	MD
1,2,4-Trichlorobenzene	BRL		5.9	15	ug/Kg-dry	245578	1	07/18/2017 15:19	MD
1,2-Dibromo-3-chloropropane	BRL		6.4	15	ug/Kg-dry	245578	1	07/18/2017 15:19	MD
1,2-Dibromoethane	BRL		4.7	15	ug/Kg-dry	245578	1	07/18/2017 15:19	MD
1,2-Dichlorobenzene	BRL		4.9	15	ug/Kg-dry	245578	1	07/18/2017 15:19	MD
1,2-Dichloroethane	BRL		4.6	15	ug/Kg-dry	245578	1	07/18/2017 15:19	MD
1,2-Dichloropropane	BRL		4.4	15	ug/Kg-dry	245578	1	07/18/2017 15:19	MD
1,3-Dichlorobenzene	BRL		3.8	15	ug/Kg-dry	245578	1	07/18/2017 15:19	MD
1,4-Dichlorobenzene	BRL		5.4	15	ug/Kg-dry	245578	1	07/18/2017 15:19	MD
2-Butanone	BRL		19	150	ug/Kg-dry	245578	1	07/18/2017 15:19	MD
2-Hexanone	BRL		12	30	ug/Kg-dry	245578	1	07/18/2017 15:19	MD
4-Methyl-2-pentanone	BRL		7.8	30	ug/Kg-dry	245578	1	07/18/2017 15:19	MD
Acetone	770		15	300	ug/Kg-dry	245578	1	07/18/2017 15:19	MD
Benzene	BRL		1.8	15	ug/Kg-dry	245578	1	07/18/2017 15:19	MD
Bromodichloromethane	BRL		4.1	15	ug/Kg-dry	245578	1	07/18/2017 15:19	MD
Bromoform	BRL		4.1	15	ug/Kg-dry	245578	1	07/18/2017 15:19	MD
Bromomethane	BRL		6.7	15	ug/Kg-dry	245578	1	07/18/2017 15:19	MD
Carbon disulfide	BRL		8.2	30	ug/Kg-dry	245578	1	07/18/2017 15:19	MD
Carbon tetrachloride	BRL		4.0	15	ug/Kg-dry	245578	1	07/18/2017 15:19	MD
Chlorobenzene	BRL		4.5	15	ug/Kg-dry	245578	1	07/18/2017 15:19	MD
Chloroethane	BRL		8.1	30	ug/Kg-dry	245578	1	07/18/2017 15:19	MD
Chloroform	BRL		3.6	15	ug/Kg-dry	245578	1	07/18/2017 15:19	MD
Chloromethane	BRL		5.6	30	ug/Kg-dry	245578	1	07/18/2017 15:19	MD
cis-1,2-Dichloroethene	1700		180	490	ug/Kg-dry	245606	50	07/19/2017 20:46	NP
cis-1,3-Dichloropropene	BRL		5.4	15	ug/Kg-dry	245578	1	07/18/2017 15:19	MD
Cyclohexane	BRL		3.3	15	ug/Kg-dry	245578	1	07/18/2017 15:19	MD
Dibromochloromethane	BRL		4.1	15	ug/Kg-dry	245578	1	07/18/2017 15:19	MD
Dichlorodifluoromethane	BRL		4.5	30	ug/Kg-dry	245578	1	07/18/2017 15:19	MD
Ethylbenzene	BRL		1.5	15	ug/Kg-dry	245578	1	07/18/2017 15:19	MD
Freon-113	BRL		3.9	30	ug/Kg-dry	245578	1	07/18/2017 15:19	MD
Isopropylbenzene	BRL		4.2	15	ug/Kg-dry	245578	1	07/18/2017 15:19	MD
m,p-Xylene	BRL		2.8	15	ug/Kg-dry	245578	1	07/18/2017 15:19	MD
Methyl acetate	BRL		7.8	15	ug/Kg-dry	245578	1	07/18/2017 15:19	MD
Methyl tert-butyl ether	BRL		3.4	15	ug/Kg-dry	245578	1	07/18/2017 15:19	MD
Methylcyclohexane	BRL		4.8	15	ug/Kg-dry	245578	1	07/18/2017 15:19	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 20-Jul-17

Client:	Environmental International Corp	**Client Sample ID:**	SB-103 (0-1)
Project Name:	MTL	**Collection Date:**	7/11/2017 4:34:00 PM
Lab ID:	1707919-006	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B (SW5035)									
Methylene chloride	BRL		15	60	ug/Kg-dry	245578	1	07/18/2017 15:19	MD
o-Xylene	BRL		1.5	15	ug/Kg-dry	245578	1	07/18/2017 15:19	MD
Styrene	BRL		4.0	15	ug/Kg-dry	245578	1	07/18/2017 15:19	MD
Tetrachloroethene	3300		150	490	ug/Kg-dry	245606	50	07/19/2017 20:46	NP
Toluene	6.8	J	1.6	15	ug/Kg-dry	245578	1	07/18/2017 15:19	MD
trans-1,2-Dichloroethene	96		5.2	15	ug/Kg-dry	245578	1	07/18/2017 15:19	MD
trans-1,3-Dichloropropene	BRL		3.7	15	ug/Kg-dry	245578	1	07/18/2017 15:19	MD
Trichloroethene	650		140	490	ug/Kg-dry	245606	50	07/19/2017 20:46	NP
Trichlorofluoromethane	BRL		7.0	15	ug/Kg-dry	245578	1	07/18/2017 15:19	MD
Vinyl chloride	BRL		6.4	30	ug/Kg-dry	245578	1	07/18/2017 15:19	MD
Surr: 4-Bromofluorobenzene	70.2		0	63-125	%REC	245578	1	07/18/2017 15:19	MD
Surr: 4-Bromofluorobenzene	98.4		0	63-125	%REC	245606	50	07/19/2017 20:46	NP
Surr: Dibromofluoromethane	113		0	69.9-123	%REC	245578	1	07/18/2017 15:19	MD
Surr: Dibromofluoromethane	93.3		0	69.9-123	%REC	245606	50	07/19/2017 20:46	NP
Surr: Toluene-d8	87.3		0	70-122	%REC	245578	1	07/18/2017 15:19	MD
Surr: Toluene-d8	96.5		0	70-122	%REC	245606	50	07/19/2017 20:46	NP
PERCENT MOISTURE D2216									
Percent Moisture	54.0		0	0	wt%	R347583	1	07/14/2017 08:00	VH

Qualifiers:

* Value exceeds maximum contaminant level	E Estimated value above quantitation range
BRL Not detected at MDL	S Spike Recovery outside limits due to matrix
H Holding times for preparation or analysis exceeded	J Estimated value detected below Reporting Limit
N Analyte not NELAC certified	> Greater than Result value
B Analyte detected in the associated method blank	< Less than Result value
NC Not confirmed	Narr See case narrative

Analytical Environmental Services, Inc **Date:** 20-Jul-17

Client:	Environmental International Corp	**Client Sample ID:**	SB-104 (1-2)
Project Name:	MTL	**Collection Date:**	7/11/2017 4:44:00 PM
Lab ID:	1707919-007	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		1.4	5.1	ug/Kg-dry	245578	1	07/18/2017 14:55	MD
1,1,2,2-Tetrachloroethane	BRL		1.6	5.1	ug/Kg-dry	245578	1	07/18/2017 14:55	MD
1,1,2-Trichloroethane	BRL		1.6	5.1	ug/Kg-dry	245578	1	07/18/2017 14:55	MD
1,1-Dichloroethane	BRL		1.4	5.1	ug/Kg-dry	245578	1	07/18/2017 14:55	MD
1,1-Dichloroethene	BRL		1.0	5.1	ug/Kg-dry	245578	1	07/18/2017 14:55	MD
1,2,4-Trichlorobenzene	BRL		2.0	5.1	ug/Kg-dry	245578	1	07/18/2017 14:55	MD
1,2-Dibromo-3-chloropropane	BRL		2.2	5.1	ug/Kg-dry	245578	1	07/18/2017 14:55	MD
1,2-Dibromoethane	BRL		1.6	5.1	ug/Kg-dry	245578	1	07/18/2017 14:55	MD
1,2-Dichlorobenzene	BRL		1.7	5.1	ug/Kg-dry	245578	1	07/18/2017 14:55	MD
1,2-Dichloroethane	BRL		1.6	5.1	ug/Kg-dry	245578	1	07/18/2017 14:55	MD
1,2-Dichloropropane	BRL		1.5	5.1	ug/Kg-dry	245578	1	07/18/2017 14:55	MD
1,3-Dichlorobenzene	BRL		1.3	5.1	ug/Kg-dry	245578	1	07/18/2017 14:55	MD
1,4-Dichlorobenzene	BRL		1.8	5.1	ug/Kg-dry	245578	1	07/18/2017 14:55	MD
2-Butanone	BRL		6.4	51	ug/Kg-dry	245578	1	07/18/2017 14:55	MD
2-Hexanone	BRL		4.0	10	ug/Kg-dry	245578	1	07/18/2017 14:55	MD
4-Methyl-2-pentanone	BRL		2.7	10	ug/Kg-dry	245578	1	07/18/2017 14:55	MD
Acetone	160		5.2	100	ug/Kg-dry	245578	1	07/18/2017 14:55	MD
Benzene	BRL		0.61	5.1	ug/Kg-dry	245578	1	07/18/2017 14:55	MD
Bromodichloromethane	BRL		1.4	5.1	ug/Kg-dry	245578	1	07/18/2017 14:55	MD
Bromoform	BRL		1.4	5.1	ug/Kg-dry	245578	1	07/18/2017 14:55	MD
Bromomethane	BRL		2.3	5.1	ug/Kg-dry	245578	1	07/18/2017 14:55	MD
Carbon disulfide	BRL		2.8	10	ug/Kg-dry	245578	1	07/18/2017 14:55	MD
Carbon tetrachloride	BRL		1.4	5.1	ug/Kg-dry	245578	1	07/18/2017 14:55	MD
Chlorobenzene	BRL		1.5	5.1	ug/Kg-dry	245578	1	07/18/2017 14:55	MD
Chloroethane	BRL		2.8	10	ug/Kg-dry	245578	1	07/18/2017 14:55	MD
Chloroform	BRL		1.2	5.1	ug/Kg-dry	245578	1	07/18/2017 14:55	MD
Chloromethane	BRL		1.9	10	ug/Kg-dry	245578	1	07/18/2017 14:55	MD
cis-1,2-Dichloroethene	140		1.9	5.1	ug/Kg-dry	245578	1	07/18/2017 14:55	MD
cis-1,3-Dichloropropene	BRL		1.8	5.1	ug/Kg-dry	245578	1	07/18/2017 14:55	MD
Cyclohexane	BRL		1.1	5.1	ug/Kg-dry	245578	1	07/18/2017 14:55	MD
Dibromochloromethane	BRL		1.4	5.1	ug/Kg-dry	245578	1	07/18/2017 14:55	MD
Dichlorodifluoromethane	BRL		1.5	10	ug/Kg-dry	245578	1	07/18/2017 14:55	MD
Ethylbenzene	BRL		0.51	5.1	ug/Kg-dry	245578	1	07/18/2017 14:55	MD
Freon-113	BRL		1.3	10	ug/Kg-dry	245578	1	07/18/2017 14:55	MD
Isopropylbenzene	BRL		1.4	5.1	ug/Kg-dry	245578	1	07/18/2017 14:55	MD
m,p-Xylene	BRL		0.97	5.1	ug/Kg-dry	245578	1	07/18/2017 14:55	MD
Methyl acetate	BRL		2.7	5.1	ug/Kg-dry	245578	1	07/18/2017 14:55	MD
Methyl tert-butyl ether	BRL		1.2	5.1	ug/Kg-dry	245578	1	07/18/2017 14:55	MD
Methylcyclohexane	BRL		1.6	5.1	ug/Kg-dry	245578	1	07/18/2017 14:55	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 20-Jul-17

Client:	Environmental International Corp	**Client Sample ID:**	SB-104 (1-2)
Project Name:	MTL	**Collection Date:**	7/11/2017 4:44:00 PM
Lab ID:	1707919-007	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B (SW5035)									
Methylene chloride	BRL		5.1	20	ug/Kg-dry	245578	1	07/18/2017 14:55	MD
o-Xylene	BRL		0.53	5.1	ug/Kg-dry	245578	1	07/18/2017 14:55	MD
Styrene	BRL		1.3	5.1	ug/Kg-dry	245578	1	07/18/2017 14:55	MD
Tetrachloroethene	870		120	380	ug/Kg-dry	245606	50	07/19/2017 20:20	NP
Toluene	0.89	J	0.54	5.1	ug/Kg-dry	245578	1	07/18/2017 14:55	MD
trans-1,2-Dichloroethene	26		1.8	5.1	ug/Kg-dry	245578	1	07/18/2017 14:55	MD
trans-1,3-Dichloropropene	BRL		1.3	5.1	ug/Kg-dry	245578	1	07/18/2017 14:55	MD
Trichloroethene	83		1.4	5.1	ug/Kg-dry	245578	1	07/18/2017 14:55	MD
Trichlorofluoromethane	BRL		2.4	5.1	ug/Kg-dry	245578	1	07/18/2017 14:55	MD
Vinyl chloride	BRL		2.2	10	ug/Kg-dry	245578	1	07/18/2017 14:55	MD
Surr: 4-Bromofluorobenzene	69.7		0	63-125	%REC	245578	1	07/18/2017 14:55	MD
Surr: 4-Bromofluorobenzene	95.9		0	63-125	%REC	245606	50	07/19/2017 20:20	NP
Surr: Dibromofluoromethane	92.7		0	69.9-123	%REC	245606	50	07/19/2017 20:20	NP
Surr: Dibromofluoromethane	120		0	69.9-123	%REC	245578	1	07/18/2017 14:55	MD
Surr: Toluene-d8	95.9		0	70-122	%REC	245606	50	07/19/2017 20:20	NP
Surr: Toluene-d8	88.2		0	70-122	%REC	245578	1	07/18/2017 14:55	MD
PERCENT MOISTURE D2216									
Percent Moisture	32.4		0	0	wt%	R347583	1	07/14/2017 08:00	VH

Qualifiers:

* Value exceeds maximum contaminant level	E Estimated value above quantitation range
BRL Not detected at MDL	S Spike Recovery outside limits due to matrix
H Holding times for preparation or analysis exceeded	J Estimated value detected below Reporting Limit
N Analyte not NELAC certified	> Greater than Result value
B Analyte detected in the associated method blank	< Less than Result value
NC Not confirmed	Narr See case narrative

Analytical Environmental Services, Inc **Date:** 20-Jul-17

Client:	Environmental International Corp	**Client Sample ID:**	SB-105 (1-2)
Project Name:	MTL	**Collection Date:**	7/11/2017 4:59:00 PM
Lab ID:	1707919-008	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		1.2	4.5	ug/Kg-dry	245578	1	07/17/2017 21:59	MD
1,1,2,2-Tetrachloroethane	BRL		1.4	4.5	ug/Kg-dry	245578	1	07/17/2017 21:59	MD
1,1,2-Trichloroethane	BRL		1.4	4.5	ug/Kg-dry	245578	1	07/17/2017 21:59	MD
1,1-Dichloroethane	BRL		1.3	4.5	ug/Kg-dry	245578	1	07/17/2017 21:59	MD
1,1-Dichloroethene	BRL		0.88	4.5	ug/Kg-dry	245578	1	07/17/2017 21:59	MD
1,2,4-Trichlorobenzene	BRL		1.8	4.5	ug/Kg-dry	245578	1	07/17/2017 21:59	MD
1,2-Dibromo-3-chloropropane	BRL		1.9	4.5	ug/Kg-dry	245578	1	07/17/2017 21:59	MD
1,2-Dibromoethane	BRL		1.4	4.5	ug/Kg-dry	245578	1	07/17/2017 21:59	MD
1,2-Dichlorobenzene	BRL		1.5	4.5	ug/Kg-dry	245578	1	07/17/2017 21:59	MD
1,2-Dichloroethane	BRL		1.4	4.5	ug/Kg-dry	245578	1	07/17/2017 21:59	MD
1,2-Dichloropropane	BRL		1.3	4.5	ug/Kg-dry	245578	1	07/17/2017 21:59	MD
1,3-Dichlorobenzene	BRL		1.1	4.5	ug/Kg-dry	245578	1	07/17/2017 21:59	MD
1,4-Dichlorobenzene	BRL		1.6	4.5	ug/Kg-dry	245578	1	07/17/2017 21:59	MD
2-Butanone	BRL		5.6	45	ug/Kg-dry	245578	1	07/17/2017 21:59	MD
2-Hexanone	BRL		3.5	8.9	ug/Kg-dry	245578	1	07/17/2017 21:59	MD
4-Methyl-2-pentanone	BRL		2.3	8.9	ug/Kg-dry	245578	1	07/17/2017 21:59	MD
Acetone	100		4.5	89	ug/Kg-dry	245578	1	07/17/2017 21:59	MD
Benzene	BRL		0.53	4.5	ug/Kg-dry	245578	1	07/17/2017 21:59	MD
Bromodichloromethane	BRL		1.2	4.5	ug/Kg-dry	245578	1	07/17/2017 21:59	MD
Bromoform	BRL		1.2	4.5	ug/Kg-dry	245578	1	07/17/2017 21:59	MD
Bromomethane	BRL		2.0	4.5	ug/Kg-dry	245578	1	07/17/2017 21:59	MD
Carbon disulfide	BRL		2.5	8.9	ug/Kg-dry	245578	1	07/17/2017 21:59	MD
Carbon tetrachloride	BRL		1.2	4.5	ug/Kg-dry	245578	1	07/17/2017 21:59	MD
Chlorobenzene	BRL		1.3	4.5	ug/Kg-dry	245578	1	07/17/2017 21:59	MD
Chloroethane	BRL		2.4	8.9	ug/Kg-dry	245578	1	07/17/2017 21:59	MD
Chloroform	BRL		1.1	4.5	ug/Kg-dry	245578	1	07/17/2017 21:59	MD
Chloromethane	BRL		1.7	8.9	ug/Kg-dry	245578	1	07/17/2017 21:59	MD
cis-1,2-Dichloroethene	110		1.6	4.5	ug/Kg-dry	245578	1	07/17/2017 21:59	MD
cis-1,3-Dichloropropene	BRL		1.6	4.5	ug/Kg-dry	245578	1	07/17/2017 21:59	MD
Cyclohexane	BRL		1.00	4.5	ug/Kg-dry	245578	1	07/17/2017 21:59	MD
Dibromochloromethane	BRL		1.2	4.5	ug/Kg-dry	245578	1	07/17/2017 21:59	MD
Dichlorodifluoromethane	BRL		1.3	8.9	ug/Kg-dry	245578	1	07/17/2017 21:59	MD
Ethylbenzene	BRL		0.45	4.5	ug/Kg-dry	245578	1	07/17/2017 21:59	MD
Freon-113	BRL		1.2	8.9	ug/Kg-dry	245578	1	07/17/2017 21:59	MD
Isopropylbenzene	BRL		1.3	4.5	ug/Kg-dry	245578	1	07/17/2017 21:59	MD
m,p-Xylene	BRL		0.84	4.5	ug/Kg-dry	245578	1	07/17/2017 21:59	MD
Methyl acetate	BRL		2.3	4.5	ug/Kg-dry	245578	1	07/17/2017 21:59	MD
Methyl tert-butyl ether	BRL		1.0	4.5	ug/Kg-dry	245578	1	07/17/2017 21:59	MD
Methylcyclohexane	BRL		1.4	4.5	ug/Kg-dry	245578	1	07/17/2017 21:59	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 20-Jul-17

Client:	Environmental International Corp	**Client Sample ID:**	SB-105 (1-2)
Project Name:	MTL	**Collection Date:**	7/11/2017 4:59:00 PM
Lab ID:	1707919-008	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
Methylene chloride	BRL		4.5	18	ug/Kg-dry	245578	1	07/17/2017 21:59	MD
o-Xylene	BRL		0.46	4.5	ug/Kg-dry	245578	1	07/17/2017 21:59	MD
Styrene	BRL		1.2	4.5	ug/Kg-dry	245578	1	07/17/2017 21:59	MD
Tetrachloroethene	1100		78	260	ug/Kg-dry	245606	50	07/19/2017 19:54	NP
Toluene	1.4	J	0.48	4.5	ug/Kg-dry	245578	1	07/17/2017 21:59	MD
trans-1,2-Dichloroethene	10.0		1.6	4.5	ug/Kg-dry	245578	1	07/17/2017 21:59	MD
trans-1,3-Dichloropropene	BRL		1.1	4.5	ug/Kg-dry	245578	1	07/17/2017 21:59	MD
Trichloroethene	87		1.2	4.5	ug/Kg-dry	245578	1	07/17/2017 21:59	MD
Trichlorofluoromethane	BRL		2.1	4.5	ug/Kg-dry	245578	1	07/17/2017 21:59	MD
Vinyl chloride	BRL		1.9	8.9	ug/Kg-dry	245578	1	07/17/2017 21:59	MD
Surr: 4-Bromofluorobenzene	98.4		0	63-125	%REC	245606	50	07/19/2017 19:54	NP
Surr: 4-Bromofluorobenzene	77.5		0	63-125	%REC	245578	1	07/17/2017 21:59	MD
Surr: Dibromofluoromethane	92		0	69.9-123	%REC	245606	50	07/19/2017 19:54	NP
Surr: Dibromofluoromethane	99.4		0	69.9-123	%REC	245578	1	07/17/2017 21:59	MD
Surr: Toluene-d8	96.9		0	70-122	%REC	245606	50	07/19/2017 19:54	NP
Surr: Toluene-d8	95.4		0	70-122	%REC	245578	1	07/17/2017 21:59	MD
PERCENT MOISTURE D2216									
Percent Moisture	22.8		0	0	wt%	R347583	1	07/14/2017 08:00	VH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 20-Jul-17

Client:	Environmental International Corp	**Client Sample ID:**	SB-106 (1-2)
Project Name:	MTL	**Collection Date:**	7/11/2017 5:12:00 PM
Lab ID:	1707919-009	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		1.2	4.4	ug/Kg-dry	245578	1	07/17/2017 22:24	MD
1,1,2,2-Tetrachloroethane	BRL		1.4	4.4	ug/Kg-dry	245578	1	07/17/2017 22:24	MD
1,1,2-Trichloroethane	BRL		1.4	4.4	ug/Kg-dry	245578	1	07/17/2017 22:24	MD
1,1-Dichloroethane	BRL		1.2	4.4	ug/Kg-dry	245578	1	07/17/2017 22:24	MD
1,1-Dichloroethene	BRL		0.88	4.4	ug/Kg-dry	245578	1	07/17/2017 22:24	MD
1,2,4-Trichlorobenzene	BRL		1.8	4.4	ug/Kg-dry	245578	1	07/17/2017 22:24	MD
1,2-Dibromo-3-chloropropane	BRL		1.9	4.4	ug/Kg-dry	245578	1	07/17/2017 22:24	MD
1,2-Dibromoethane	BRL		1.4	4.4	ug/Kg-dry	245578	1	07/17/2017 22:24	MD
1,2-Dichlorobenzene	BRL		1.4	4.4	ug/Kg-dry	245578	1	07/17/2017 22:24	MD
1,2-Dichloroethane	BRL		1.4	4.4	ug/Kg-dry	245578	1	07/17/2017 22:24	MD
1,2-Dichloropropane	BRL		1.3	4.4	ug/Kg-dry	245578	1	07/17/2017 22:24	MD
1,3-Dichlorobenzene	BRL		1.1	4.4	ug/Kg-dry	245578	1	07/17/2017 22:24	MD
1,4-Dichlorobenzene	BRL		1.6	4.4	ug/Kg-dry	245578	1	07/17/2017 22:24	MD
2-Butanone	BRL		5.5	44	ug/Kg-dry	245578	1	07/17/2017 22:24	MD
2-Hexanone	BRL		3.4	8.9	ug/Kg-dry	245578	1	07/17/2017 22:24	MD
4-Methyl-2-pentanone	BRL		2.3	8.9	ug/Kg-dry	245578	1	07/17/2017 22:24	MD
Acetone	120		4.5	89	ug/Kg-dry	245578	1	07/17/2017 22:24	MD
Benzene	BRL		0.53	4.4	ug/Kg-dry	245578	1	07/17/2017 22:24	MD
Bromodichloromethane	BRL		1.2	4.4	ug/Kg-dry	245578	1	07/17/2017 22:24	MD
Bromoform	BRL		1.2	4.4	ug/Kg-dry	245578	1	07/17/2017 22:24	MD
Bromomethane	BRL		2.0	4.4	ug/Kg-dry	245578	1	07/17/2017 22:24	MD
Carbon disulfide	BRL		2.4	8.9	ug/Kg-dry	245578	1	07/17/2017 22:24	MD
Carbon tetrachloride	BRL		1.2	4.4	ug/Kg-dry	245578	1	07/17/2017 22:24	MD
Chlorobenzene	BRL		1.3	4.4	ug/Kg-dry	245578	1	07/17/2017 22:24	MD
Chloroethane	BRL		2.4	8.9	ug/Kg-dry	245578	1	07/17/2017 22:24	MD
Chloroform	BRL		1.1	4.4	ug/Kg-dry	245578	1	07/17/2017 22:24	MD
Chloromethane	BRL		1.7	8.9	ug/Kg-dry	245578	1	07/17/2017 22:24	MD
cis-1,2-Dichloroethene	100		1.6	4.4	ug/Kg-dry	245578	1	07/17/2017 22:24	MD
cis-1,3-Dichloropropene	BRL		1.6	4.4	ug/Kg-dry	245578	1	07/17/2017 22:24	MD
Cyclohexane	BRL		0.99	4.4	ug/Kg-dry	245578	1	07/17/2017 22:24	MD
Dibromochloromethane	BRL		1.2	4.4	ug/Kg-dry	245578	1	07/17/2017 22:24	MD
Dichlorodifluoromethane	BRL		1.3	8.9	ug/Kg-dry	245578	1	07/17/2017 22:24	MD
Ethylbenzene	BRL		0.45	4.4	ug/Kg-dry	245578	1	07/17/2017 22:24	MD
Freon-113	BRL		1.2	8.9	ug/Kg-dry	245578	1	07/17/2017 22:24	MD
Isopropylbenzene	BRL		1.3	4.4	ug/Kg-dry	245578	1	07/17/2017 22:24	MD
m,p-Xylene	BRL		0.84	4.4	ug/Kg-dry	245578	1	07/17/2017 22:24	MD
Methyl acetate	BRL		2.3	4.4	ug/Kg-dry	245578	1	07/17/2017 22:24	MD
Methyl tert-butyl ether	BRL		1.0	4.4	ug/Kg-dry	245578	1	07/17/2017 22:24	MD
Methylcyclohexane	BRL		1.4	4.4	ug/Kg-dry	245578	1	07/17/2017 22:24	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 20-Jul-17

Client:	Environmental International Corp	**Client Sample ID:**	SB-106 (1-2)
Project Name:	MTL	**Collection Date:**	7/11/2017 5:12:00 PM
Lab ID:	1707919-009	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B (SW5035)									
Methylene chloride	BRL		4.5	18	ug/Kg-dry	245578	1	07/17/2017 22:24	MD
o-Xylene	BRL		0.46	4.4	ug/Kg-dry	245578	1	07/17/2017 22:24	MD
Styrene	BRL		1.2	4.4	ug/Kg-dry	245578	1	07/17/2017 22:24	MD
Tetrachloroethene	1400		61	200	ug/Kg-dry	245606	50	07/19/2017 19:28	NP
Toluene	BRL		0.47	4.4	ug/Kg-dry	245578	1	07/17/2017 22:24	MD
trans-1,2-Dichloroethene	3.1	J	1.5	4.4	ug/Kg-dry	245578	1	07/17/2017 22:24	MD
trans-1,3-Dichloropropene	BRL		1.1	4.4	ug/Kg-dry	245578	1	07/17/2017 22:24	MD
Trichloroethene	87		1.2	4.4	ug/Kg-dry	245578	1	07/17/2017 22:24	MD
Trichlorofluoromethane	BRL		2.1	4.4	ug/Kg-dry	245578	1	07/17/2017 22:24	MD
Vinyl chloride	BRL		1.9	8.9	ug/Kg-dry	245578	1	07/17/2017 22:24	MD
Surr: 4-Bromofluorobenzene	98		0	63-125	%REC	245606	50	07/19/2017 19:28	NP
Surr: 4-Bromofluorobenzene	77.6		0	63-125	%REC	245578	1	07/17/2017 22:24	MD
Surr: Dibromofluoromethane	96.6		0	69.9-123	%REC	245606	50	07/19/2017 19:28	NP
Surr: Dibromofluoromethane	103		0	69.9-123	%REC	245578	1	07/17/2017 22:24	MD
Surr: Toluene-d8	98.8		0	70-122	%REC	245606	50	07/19/2017 19:28	NP
Surr: Toluene-d8	92		0	70-122	%REC	245578	1	07/17/2017 22:24	MD
PERCENT MOISTURE D2216									
Percent Moisture	21.0		0	0	wt%	R347583	1	07/14/2017 08:00	VH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value
NC	Not confirmed	Narr	See case narrative

Analytical Environmental Services, Inc **Date:** 20-Jul-17

Client:	Environmental International Corp	**Client Sample ID:**	SB-107 (1-2)
Project Name:	MTL	**Collection Date:**	7/11/2017 5:28:00 PM
Lab ID:	1707919-010	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		1.1	4.2	ug/Kg-dry	245578	1	07/18/2017 13:39	MD
1,1,2,2-Tetrachloroethane	BRL		1.3	4.2	ug/Kg-dry	245578	1	07/18/2017 13:39	MD
1,1,2-Trichloroethane	BRL		1.3	4.2	ug/Kg-dry	245578	1	07/18/2017 13:39	MD
1,1-Dichloroethane	BRL		1.2	4.2	ug/Kg-dry	245578	1	07/18/2017 13:39	MD
1,1-Dichloroethene	BRL		0.83	4.2	ug/Kg-dry	245578	1	07/18/2017 13:39	MD
1,2,4-Trichlorobenzene	BRL		1.7	4.2	ug/Kg-dry	245578	1	07/18/2017 13:39	MD
1,2-Dibromo-3-chloropropane	BRL		1.8	4.2	ug/Kg-dry	245578	1	07/18/2017 13:39	MD
1,2-Dibromoethane	BRL		1.3	4.2	ug/Kg-dry	245578	1	07/18/2017 13:39	MD
1,2-Dichlorobenzene	BRL		1.4	4.2	ug/Kg-dry	245578	1	07/18/2017 13:39	MD
1,2-Dichloroethane	BRL		1.3	4.2	ug/Kg-dry	245578	1	07/18/2017 13:39	MD
1,2-Dichloropropane	BRL		1.2	4.2	ug/Kg-dry	245578	1	07/18/2017 13:39	MD
1,3-Dichlorobenzene	BRL		1.1	4.2	ug/Kg-dry	245578	1	07/18/2017 13:39	MD
1,4-Dichlorobenzene	BRL		1.5	4.2	ug/Kg-dry	245578	1	07/18/2017 13:39	MD
2-Butanone	BRL		5.2	42	ug/Kg-dry	245578	1	07/18/2017 13:39	MD
2-Hexanone	BRL		3.2	8.4	ug/Kg-dry	245578	1	07/18/2017 13:39	MD
4-Methyl-2-pentanone	BRL		2.2	8.4	ug/Kg-dry	245578	1	07/18/2017 13:39	MD
Acetone	76	J	4.2	84	ug/Kg-dry	245578	1	07/18/2017 13:39	MD
Benzene	BRL		0.50	4.2	ug/Kg-dry	245578	1	07/18/2017 13:39	MD
Bromodichloromethane	BRL		1.1	4.2	ug/Kg-dry	245578	1	07/18/2017 13:39	MD
Bromoform	BRL		1.1	4.2	ug/Kg-dry	245578	1	07/18/2017 13:39	MD
Bromomethane	BRL		1.9	4.2	ug/Kg-dry	245578	1	07/18/2017 13:39	MD
Carbon disulfide	BRL		2.3	8.4	ug/Kg-dry	245578	1	07/18/2017 13:39	MD
Carbon tetrachloride	BRL		1.1	4.2	ug/Kg-dry	245578	1	07/18/2017 13:39	MD
Chlorobenzene	BRL		1.3	4.2	ug/Kg-dry	245578	1	07/18/2017 13:39	MD
Chloroethane	BRL		2.3	8.4	ug/Kg-dry	245578	1	07/18/2017 13:39	MD
Chloroform	1.7	J	1.0	4.2	ug/Kg-dry	245578	1	07/18/2017 13:39	MD
Chloromethane	BRL		1.6	8.4	ug/Kg-dry	245578	1	07/18/2017 13:39	MD
cis-1,2-Dichloroethene	BRL		1.5	4.2	ug/Kg-dry	245578	1	07/18/2017 13:39	MD
cis-1,3-Dichloropropene	BRL		1.5	4.2	ug/Kg-dry	245578	1	07/18/2017 13:39	MD
Cyclohexane	BRL		0.93	4.2	ug/Kg-dry	245578	1	07/18/2017 13:39	MD
Dibromochloromethane	BRL		1.1	4.2	ug/Kg-dry	245578	1	07/18/2017 13:39	MD
Dichlorodifluoromethane	BRL		1.2	8.4	ug/Kg-dry	245578	1	07/18/2017 13:39	MD
Ethylbenzene	BRL		0.42	4.2	ug/Kg-dry	245578	1	07/18/2017 13:39	MD
Freon-113	BRL		1.1	8.4	ug/Kg-dry	245578	1	07/18/2017 13:39	MD
Isopropylbenzene	BRL		1.2	4.2	ug/Kg-dry	245578	1	07/18/2017 13:39	MD
m,p-Xylene	BRL		0.79	4.2	ug/Kg-dry	245578	1	07/18/2017 13:39	MD
Methyl acetate	BRL		2.2	4.2	ug/Kg-dry	245578	1	07/18/2017 13:39	MD
Methyl tert-butyl ether	BRL		0.96	4.2	ug/Kg-dry	245578	1	07/18/2017 13:39	MD
Methylcyclohexane	BRL		1.3	4.2	ug/Kg-dry	245578	1	07/18/2017 13:39	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 20-Jul-17

Client:	Environmental International Corp	**Client Sample ID:**	SB-107 (1-2)
Project Name:	MTL	**Collection Date:**	7/11/2017 5:28:00 PM
Lab ID:	1707919-010	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B (SW5035)									
Methylene chloride	BRL		4.2	17	ug/Kg-dry	245578	1	07/18/2017 13:39	MD
o-Xylene	BRL		0.43	4.2	ug/Kg-dry	245578	1	07/18/2017 13:39	MD
Styrene	BRL		1.1	4.2	ug/Kg-dry	245578	1	07/18/2017 13:39	MD
Tetrachloroethene	60		1.3	4.2	ug/Kg-dry	245578	1	07/18/2017 13:39	MD
Toluene	BRL		0.45	4.2	ug/Kg-dry	245578	1	07/18/2017 13:39	MD
trans-1,2-Dichloroethene	BRL		1.5	4.2	ug/Kg-dry	245578	1	07/18/2017 13:39	MD
trans-1,3-Dichloropropene	BRL		1.0	4.2	ug/Kg-dry	245578	1	07/18/2017 13:39	MD
Trichloroethene	1.3	J	1.2	4.2	ug/Kg-dry	245578	1	07/18/2017 13:39	MD
Trichlorofluoromethane	BRL		2.0	4.2	ug/Kg-dry	245578	1	07/18/2017 13:39	MD
Vinyl chloride	BRL		1.8	8.4	ug/Kg-dry	245578	1	07/18/2017 13:39	MD
Surr: 4-Bromofluorobenzene	73.7		0	63-125	%REC	245578	1	07/18/2017 13:39	MD
Surr: Dibromofluoromethane	110		0	69.9-123	%REC	245578	1	07/18/2017 13:39	MD
Surr: Toluene-d8	91.7		0	70-122	%REC	245578	1	07/18/2017 13:39	MD
PERCENT MOISTURE D2216									
Percent Moisture	13.9		0	0	wt%	R347583	1	07/14/2017 08:00	VH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value
NC	Not confirmed	Narr	See case narrative

Analytical Environmental Services, Inc **Date:** 20-Jul-17

Client:	Environmental International Corp	**Client Sample ID:**	TRIP BLANK
Project Name:	MTL	**Collection Date:**	7/13/2017
Lab ID:	1707919-011	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,1,1-Trichloroethane	BRL		0.30	5.0	ug/L	245734	1	07/19/2017 13:26	NP
1,1,2,2-Tetrachloroethane	BRL		0.34	5.0	ug/L	245734	1	07/19/2017 13:26	NP
1,1,2-Trichloroethane	BRL		0.43	5.0	ug/L	245734	1	07/19/2017 13:26	NP
1,1-Dichloroethane	BRL		0.43	5.0	ug/L	245734	1	07/19/2017 13:26	NP
1,1-Dichloroethene	BRL		0.40	5.0	ug/L	245734	1	07/19/2017 13:26	NP
1,2,4-Trichlorobenzene	BRL		0.39	5.0	ug/L	245734	1	07/19/2017 13:26	NP
1,2-Dibromo-3-chloropropane	BRL		0.68	5.0	ug/L	245734	1	07/19/2017 13:26	NP
1,2-Dibromoethane	BRL		0.57	5.0	ug/L	245734	1	07/19/2017 13:26	NP
1,2-Dichlorobenzene	BRL		0.45	5.0	ug/L	245734	1	07/19/2017 13:26	NP
1,2-Dichloroethane	BRL		0.37	5.0	ug/L	245734	1	07/19/2017 13:26	NP
1,2-Dichloropropane	BRL		0.35	5.0	ug/L	245734	1	07/19/2017 13:26	NP
1,3-Dichlorobenzene	BRL		0.31	5.0	ug/L	245734	1	07/19/2017 13:26	NP
1,4-Dichlorobenzene	BRL		0.33	5.0	ug/L	245734	1	07/19/2017 13:26	NP
2-Butanone	BRL		2.5	50	ug/L	245734	1	07/19/2017 13:26	NP
2-Hexanone	BRL		0.67	10	ug/L	245734	1	07/19/2017 13:26	NP
4-Methyl-2-pentanone	BRL		0.44	10	ug/L	245734	1	07/19/2017 13:26	NP
Acetone	BRL		3.6	50	ug/L	245734	1	07/19/2017 13:26	NP
Benzene	BRL		0.37	5.0	ug/L	245734	1	07/19/2017 13:26	NP
Bromodichloromethane	BRL		0.25	5.0	ug/L	245734	1	07/19/2017 13:26	NP
Bromoform	BRL		0.19	5.0	ug/L	245734	1	07/19/2017 13:26	NP
Bromomethane	BRL		0.39	5.0	ug/L	245734	1	07/19/2017 13:26	NP
Carbon disulfide	BRL		0.74	5.0	ug/L	245734	1	07/19/2017 13:26	NP
Carbon tetrachloride	BRL		0.29	5.0	ug/L	245734	1	07/19/2017 13:26	NP
Chlorobenzene	BRL		0.42	5.0	ug/L	245734	1	07/19/2017 13:26	NP
Chloroethane	BRL		0.31	10	ug/L	245734	1	07/19/2017 13:26	NP
Chloroform	BRL		0.20	5.0	ug/L	245734	1	07/19/2017 13:26	NP
Chloromethane	BRL		0.21	10	ug/L	245734	1	07/19/2017 13:26	NP
cis-1,2-Dichloroethene	BRL		0.28	5.0	ug/L	245734	1	07/19/2017 13:26	NP
cis-1,3-Dichloropropene	BRL		0.31	5.0	ug/L	245734	1	07/19/2017 13:26	NP
Cyclohexane	BRL		1.0	5.0	ug/L	245734	1	07/19/2017 13:26	NP
Dibromochloromethane	BRL		0.43	5.0	ug/L	245734	1	07/19/2017 13:26	NP
Dichlorodifluoromethane	BRL		0.15	10	ug/L	245734	1	07/19/2017 13:26	NP
Ethylbenzene	BRL		0.26	5.0	ug/L	245734	1	07/19/2017 13:26	NP
Freon-113	BRL		0.32	10	ug/L	245734	1	07/19/2017 13:26	NP
Isopropylbenzene	BRL		0.43	5.0	ug/L	245734	1	07/19/2017 13:26	NP
m,p-Xylene	BRL		0.60	5.0	ug/L	245734	1	07/19/2017 13:26	NP
Methyl acetate	BRL		0.42	5.0	ug/L	245734	1	07/19/2017 13:26	NP
Methyl tert-butyl ether	BRL		0.45	5.0	ug/L	245734	1	07/19/2017 13:26	NP
Methylcyclohexane	BRL		0.39	5.0	ug/L	245734	1	07/19/2017 13:26	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 20-Jul-17

Client:	Environmental International Corp	**Client Sample ID:**	TRIP BLANK
Project Name:	MTL	**Collection Date:**	7/13/2017
Lab ID:	1707919-011	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B (SW5030B)									
Methylene chloride	BRL		1.2	5.0	ug/L	245734	1	07/19/2017 13:26	NP
o-Xylene	BRL		0.18	5.0	ug/L	245734	1	07/19/2017 13:26	NP
Styrene	BRL		0.15	5.0	ug/L	245734	1	07/19/2017 13:26	NP
Tetrachloroethene	BRL		0.46	5.0	ug/L	245734	1	07/19/2017 13:26	NP
Toluene	BRL		0.39	5.0	ug/L	245734	1	07/19/2017 13:26	NP
trans-1,2-Dichloroethene	BRL		0.30	5.0	ug/L	245734	1	07/19/2017 13:26	NP
trans-1,3-Dichloropropene	BRL		0.32	5.0	ug/L	245734	1	07/19/2017 13:26	NP
Trichloroethene	BRL		0.30	5.0	ug/L	245734	1	07/19/2017 13:26	NP
Trichlorofluoromethane	BRL		0.18	5.0	ug/L	245734	1	07/19/2017 13:26	NP
Vinyl chloride	BRL		0.30	2.0	ug/L	245734	1	07/19/2017 13:26	NP
Surr: 4-Bromofluorobenzene	98.3		0	66.1-129	%REC	245734	1	07/19/2017 13:26	NP
Surr: Dibromofluoromethane	97.9		0	83.6-123	%REC	245734	1	07/19/2017 13:26	NP
Surr: Toluene-d8	101		0	81.8-118	%REC	245734	1	07/19/2017 13:26	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Clear | Save as

ANALYTICAL ENVIRONMENTAL SERVICES, INC. AES

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: **Environmental International Corp** AES Work Order Number: **1707919**

2. Carrier: FedEx ☐ UPS ☐ USPS ☐ Client ■ Courier ☐ Other DROPBOX

		Yes	No	N/A	Details	Comments
3.	Shipping container/cooler received in good condition?	◉	○	○	damaged ☐ leaking ☐ other ☐	
4.	Custody seals present on shipping container?	◉	○	○		
5.	Custody seals intact on shipping container?	◉	○	○		
6.	Temperature blanks present?	◉	○	○		
7.	Cooler temperature(s) within limits of 0-6°C? [See item 13 and 14 for temperature recordings.]	◉	○	○	Cooling initiated for recently collected samples / ice present ☐	
8.	Chain of Custody (COC) present?	◉	○	○		
9.	Chain of Custody signed, dated, and timed when relinquished and received?	◉	○	○		
10.	Sampler name and/or signature on COC?	◉	○	○		
11.	Were all samples received within holding time?	◉	○	○		
12.	TAT marked on the COC?	◉	○	○	If no TAT indicated, proceeded with standard TAT per Terms & Conditions. ☐	

13. Cooler 1 Temperature 4.9 °C Cooler 2 Temperature _____ °C Cooler 3 Temperature _____ °C Cooler 4 Temperature _____ °C

14. Cooler 5 Temperature _____ °C Cooler 6 Temperature _____ °C Cooler 7 Temperature _____ °C Cooler 8 Temperature _____ °C

15. Comments:

I certify that I have completed sections 1-15 (dated initials). TD 7/13/17

		Yes	No	N/A	Details	Comments
16.	Were sample containers intact upon receipt?	◉	○	○		
17.	Custody seals present on sample containers?	○	◉	○		
18.	Custody seals intact on sample containers?	○	○	◉		
19.	Do sample container labels match the COC?	◉	○	○	incomplete info ☐ illegible ☐ no label ☐ other ☐	
20.	Are analyses requested indicated on the COC?	◉	○	○		
21.	Were all of the samples listed on the COC received?	◉	○	○	samples received but not listed on COC ☐ samples listed on COC not received ☐	
22.	Was the sample collection date/time noted?	◉	○	○		
23.	Did we receive sufficient sample volume for indicated analyses?	◉	○	○		
24.	Were samples received in appropriate containers?	◉	○	○		
25.	Were VOA samples received without headspace (< 1/4" bubble)?	◉	○	○		
26.	Were trip blanks submitted?	◉	○	○	listed on COC ☐ not listed on COC ■	

27. Comments:

I certify that I have completed sections 16-27 (dated initials). AJ 7/13/17

This section only applies to samples where pH can be checked at Sample Receipt.

		Yes	No	N/A	Details	Comments
28.	Have containers needing chemical preservation been checked? *	○	○	◉		
29.	Containers meet preservation guidelines?	○	○	◉		
30.	Was pH adjusted at Sample Receipt?	○	○	◉		

* Note: Certain analyses require chemical preservation but must be checked in the laboratory and not upon Sample Receipt such as Coliforms, VOCs and Oil & Grease/TPH.

I certify that I have completed sections 28-30 (dated initials). AJ 7/13/17

Client: Environmental International Corp
Project Name: MTL
Workorder: 1707919

ANALYTICAL QC SUMMARY REPORT

BatchID: 245578

Sample ID: **MB-245578**	Client ID:	Units: **ug/Kg**	Prep Date: **07/17/2017**	Run No: **347666**
SampleType: **MBLK**	TestCode: **TCL VOLATILE ORGANICS SW8260B**	BatchID: **245578**	Analysis Date: **07/17/2017**	Seq No: **7635970**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1,2,2-Tetrachloroethane	BRL	5.0									
1,1,2-Trichloroethane	BRL	5.0									
1,1-Dichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trichlorobenzene	BRL	5.0									
1,2-Dibromo-3-chloropropane	BRL	5.0									
1,2-Dibromoethane	BRL	5.0									
1,2-Dichlorobenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,2-Dichloropropane	BRL	5.0									
1,3-Dichlorobenzene	BRL	5.0									
1,4-Dichlorobenzene	BRL	5.0									
2-Butanone	BRL	50									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	100									
Benzene	BRL	5.0									
Bromodichloromethane	BRL	5.0									
Bromoform	BRL	5.0									
Bromomethane	BRL	5.0									
Carbon disulfide	BRL	10									
Carbon tetrachloride	BRL	5.0									
Chlorobenzene	BRL	5.0									
Chloroethane	BRL	10									
Chloroform	BRL	5.0									
Chloromethane	BRL	10									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental International Corp
Project Name: MTL
Workorder: 1707919

ANALYTICAL QC SUMMARY REPORT

BatchID: 245578

Sample ID: **MB-245578** Client ID: Units: **ug/Kg** Prep Date: **07/17/2017** Run No: **347666**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **245578** Analysis Date: **07/17/2017** Seq No: **7635970**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Cyclohexane	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dichlorodifluoromethane	BRL	10									
Ethylbenzene	BRL	5.0									
Freon-113	BRL	10									
Isopropylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
Methyl acetate	BRL	5.0									
Methyl tert-butyl ether	BRL	5.0									
Methylcyclohexane	BRL	5.0									
Methylene chloride	BRL	20									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl chloride	BRL	10									
Surr: 4-Bromofluorobenzene	48.42	0	50.00		96.8	63	125				
Surr: Dibromofluoromethane	52.74	0	50.00		105	69.9	123				
Surr: Toluene-d8	49.50	0	50.00		99.0	70	122				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental International Corp
Project Name: MTL
Workorder: 1707919

ANALYTICAL QC SUMMARY REPORT

BatchID: 245578

Sample ID: **LCS-245578** Client ID: Units: **ug/Kg** Prep Date: **07/17/2017** Run No: **347666**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **245578** Analysis Date: **07/17/2017** Seq No: **7636151**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	53.41	5.0	50.00		107	62	142				
Benzene	44.57	5.0	50.00		89.1	70.2	131				
Chlorobenzene	42.49	5.0	50.00		85.0	72.9	129				
Toluene	42.39	5.0	50.00		84.8	70.6	131				
Trichloroethene	41.20	5.0	50.00		82.4	70.1	136				
Surr: 4-Bromofluorobenzene	47.25	0	50.00		94.5	63	125				
Surr: Dibromofluoromethane	50.63	0	50.00		101	69.9	123				
Surr: Toluene-d8	48.82	0	50.00		97.6	70	122				

Sample ID: **1707C13-003AMS** Client ID: Units: **ug/Kg-dry** Prep Date: **07/17/2017** Run No: **347666**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **245578** Analysis Date: **07/17/2017** Seq No: **7637137**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	57.18	5.8	57.96		98.7	55	143				
Benzene	48.85	5.8	57.96		84.3	68.5	128				
Chlorobenzene	45.23	5.8	57.96		78.0	67.7	126				
Toluene	46.16	5.8	57.96		79.6	66.9	128				
Trichloroethene	44.26	5.8	57.96		76.4	60.7	133				
Surr: 4-Bromofluorobenzene	56.08	0	57.96		96.8	63	125				
Surr: Dibromofluoromethane	61.12	0	57.96		105	69.9	123				
Surr: Toluene-d8	56.74	0	57.96		97.9	70	122				

Sample ID: **1707C13-003AMSD** Client ID: Units: **ug/Kg-dry** Prep Date: **07/17/2017** Run No: **347666**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **245578** Analysis Date: **07/17/2017** Seq No: **7637138**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	64.63	5.8	57.96		112	55	143	57.18	12.2	19.3	
Benzene	52.74	5.8	57.96		91.0	68.5	128	48.85	7.67	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental International Corp
Project Name: MTL
Workorder: 1707919

ANALYTICAL QC SUMMARY REPORT

BatchID: 245578

Sample ID: **1707C13-003AMSD** Client ID:
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B**
Units: **ug/Kg-dry** Prep Date: **07/17/2017** Run No: **347666**
BatchID: **245578** Analysis Date: **07/17/2017** Seq No: **7637138**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	49.23	5.8	57.96		84.9	67.7	126	45.23	8.47	20	
Toluene	50.25	5.8	57.96		86.7	66.9	128	46.16	8.49	20	
Trichloroethene	47.37	5.8	57.96		81.7	60.7	133	44.26	6.81	20	
Surr: 4-Bromofluorobenzene	55.52	0	57.96		95.8	63	125	56.08	0	0	
Surr: Dibromofluoromethane	59.06	0	57.96		102	69.9	123	61.12	0	0	
Surr: Toluene-d8	56.86	0	57.96		98.1	70	122	56.74	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental International Corp
Project Name: MTL
Workorder: 1707919

ANALYTICAL QC SUMMARY REPORT

BatchID: 245606

Sample ID: **MB-245606** Client ID: Units: **ug/Kg** Prep Date: **07/17/2017** Run No: **347730**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **245606** Analysis Date: **07/17/2017** Seq No: **7636986**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	250									
1,1,2,2-Tetrachloroethane	BRL	250									
1,1,2-Trichloroethane	BRL	250									
1,1-Dichloroethane	BRL	250									
1,1-Dichloroethene	BRL	250									
1,2,4-Trichlorobenzene	BRL	250									
1,2-Dibromo-3-chloropropane	BRL	250									
1,2-Dibromoethane	BRL	250									
1,2-Dichlorobenzene	BRL	250									
1,2-Dichloroethane	BRL	250									
1,2-Dichloropropane	BRL	250									
1,3-Dichlorobenzene	BRL	250									
1,4-Dichlorobenzene	BRL	250									
2-Butanone	BRL	2500									
2-Hexanone	BRL	500									
4-Methyl-2-pentanone	BRL	500									
Acetone	BRL	5000									
Benzene	BRL	250									
Bromodichloromethane	BRL	250									
Bromoform	BRL	250									
Bromomethane	BRL	250									
Carbon disulfide	BRL	500									
Carbon tetrachloride	BRL	250									
Chlorobenzene	BRL	250									
Chloroethane	BRL	500									
Chloroform	BRL	250									
Chloromethane	BRL	500									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental International Corp
Project Name: MTL
Workorder: 1707919

ANALYTICAL QC SUMMARY REPORT

BatchID: 245606

Sample ID: **MB-245606** Client ID: Units: **ug/Kg** Prep Date: **07/17/2017** Run No: **347730**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **245606** Analysis Date: **07/17/2017** Seq No: **7636986**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	250									
cis-1,3-Dichloropropene	BRL	250									
Cyclohexane	BRL	250									
Dibromochloromethane	BRL	250									
Dichlorodifluoromethane	BRL	500									
Ethylbenzene	BRL	250									
Freon-113	BRL	500									
Isopropylbenzene	BRL	250									
m,p-Xylene	BRL	250									
Methyl acetate	BRL	250									
Methyl tert-butyl ether	BRL	250									
Methylcyclohexane	BRL	250									
Methylene chloride	BRL	1000									
o-Xylene	BRL	250									
Styrene	BRL	250									
Tetrachloroethene	BRL	250									
Toluene	BRL	250									
trans-1,2-Dichloroethene	BRL	250									
trans-1,3-Dichloropropene	BRL	250									
Trichloroethene	BRL	250									
Trichlorofluoromethane	BRL	250									
Vinyl chloride	BRL	500									
Surr: 4-Bromofluorobenzene	2196	0	2500		87.8	63	125				
Surr: Dibromofluoromethane	2598	0	2500		104	69.9	123				
Surr: Toluene-d8	2255	0	2500		90.2	70	122				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental International Corp
Project Name: MTL
Workorder: 1707919

ANALYTICAL QC SUMMARY REPORT

BatchID: 245606

Sample ID: **LCS-245606** Client ID: Units: **ug/Kg** Prep Date: **07/17/2017** Run No: **347730**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **245606** Analysis Date: **07/17/2017** Seq No: **7636987**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	2448	250	2500		97.9	62	142				
Benzene	2314	250	2500		92.5	70.2	131				
Chlorobenzene	2827	250	2500		113	72.9	129				
Toluene	2348	250	2500		93.9	70.6	131				
Trichloroethene	2140	250	2500		85.6	70.1	136				
Surr: 4-Bromofluorobenzene	2107	0	2500		84.3	63	125				
Surr: Dibromofluoromethane	2426	0	2500		97.0	69.9	123				
Surr: Toluene-d8	2210	0	2500		88.4	70	122				

Sample ID: **1707C11-001AMS** Client ID: Units: **ug/Kg-dry** Prep Date: **07/17/2017** Run No: **347730**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **245606** Analysis Date: **07/17/2017** Seq No: **7636992**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	5215	520	5204		100	55	143				
Benzene	4804	520	5204		92.3	68.5	128				
Chlorobenzene	5505	520	5204		106	67.7	126				
Toluene	4600	520	5204		88.4	66.9	128				
Trichloroethene	4511	520	5204		86.7	60.7	133				
Surr: 4-Bromofluorobenzene	4490	0	5204		86.3	63	125				
Surr: Dibromofluoromethane	4951	0	5204		95.1	69.9	123				
Surr: Toluene-d8	4508	0	5204		86.6	70	122				

Sample ID: **1707C11-001AMSD** Client ID: Units: **ug/Kg-dry** Prep Date: **07/17/2017** Run No: **347730**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **245606** Analysis Date: **07/17/2017** Seq No: **7636993**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	5250	520	5204		101	55	143	5215	0.676	19.3	
Benzene	4997	520	5204		96.0	68.5	128	4804	3.95	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental International Corp
Project Name: MTL
Workorder: 1707919

ANALYTICAL QC SUMMARY REPORT

BatchID: 245606

Sample ID: **1707C11-001AMSD** Client ID:
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B**
Units: **ug/Kg-dry** Prep Date: **07/17/2017** Run No: **347730**
BatchID: **245606** Analysis Date: **07/17/2017** Seq No: **7636993**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	5734	520	5204		110	67.7	126	5505	4.07	20	
Toluene	4781	520	5204		91.9	66.9	128	4600	3.86	20	
Trichloroethene	4727	520	5204		90.8	60.7	133	4511	4.66	20	
Surr: 4-Bromofluorobenzene	4418	0	5204		84.9	63	125	4490	0	0	
Surr: Dibromofluoromethane	5092	0	5204		97.9	69.9	123	4951	0	0	
Surr: Toluene-d8	4346	0	5204		83.5	70	122	4508	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental International Corp
Project Name: MTL
Workorder: 1707919

ANALYTICAL QC SUMMARY REPORT

BatchID: 245734

Sample ID: **MB-245734** Client ID: Units: **ug/L** Prep Date: **07/19/2017** Run No: **347915**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **245734** Analysis Date: **07/19/2017** Seq No: **7641439**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1,2,2-Tetrachloroethane	BRL	5.0									
1,1,2-Trichloroethane	BRL	5.0									
1,1-Dichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trichlorobenzene	BRL	5.0									
1,2-Dibromo-3-chloropropane	BRL	5.0									
1,2-Dibromoethane	BRL	5.0									
1,2-Dichlorobenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,2-Dichloropropane	BRL	5.0									
1,3-Dichlorobenzene	BRL	5.0									
1,4-Dichlorobenzene	BRL	5.0									
2-Butanone	BRL	50									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	50									
Benzene	BRL	5.0									
Bromodichloromethane	BRL	5.0									
Bromoform	BRL	5.0									
Bromomethane	BRL	5.0									
Carbon disulfide	BRL	5.0									
Carbon tetrachloride	BRL	5.0									
Chlorobenzene	BRL	5.0									
Chloroethane	BRL	10									
Chloroform	BRL	5.0									
Chloromethane	BRL	10									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental International Corp
Project Name: MTL
Workorder: 1707919

ANALYTICAL QC SUMMARY REPORT

BatchID: 245734

Sample ID: **MB-245734** Client ID: Units: **ug/L** Prep Date: **07/19/2017** Run No: **347915**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **245734** Analysis Date: **07/19/2017** Seq No: **7641439**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Cyclohexane	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dichlorodifluoromethane	BRL	10									
Ethylbenzene	BRL	5.0									
Freon-113	BRL	10									
Isopropylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
Methyl acetate	BRL	5.0									
Methyl tert-butyl ether	BRL	5.0									
Methylcyclohexane	BRL	5.0									
Methylene chloride	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl chloride	BRL	2.0									
Surr: 4-Bromofluorobenzene	49.28	0	50.00		98.6	66.1	129				
Surr: Dibromofluoromethane	48.10	0	50.00		96.2	83.6	123				
Surr: Toluene-d8	50.54	0	50.00		101	81.8	118				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental International Corp
Project Name: MTL
Workorder: 1707919

ANALYTICAL QC SUMMARY REPORT

BatchID: 245734

Sample ID: **LCS-245734** Client ID: Units: **ug/L** Prep Date: **07/19/2017** Run No: **347915**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **245734** Analysis Date: **07/19/2017** Seq No: **7641438**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	55.40	5.0	50.00		111	68	139				
Benzene	52.95	5.0	50.00		106	74	125				
Chlorobenzene	50.46	5.0	50.00		101	75.7	123				
Toluene	53.13	5.0	50.00		106	75.9	126				
Trichloroethene	52.39	5.0	50.00		105	70.6	129				
Surr: 4-Bromofluorobenzene	49.61	0	50.00		99.2	66.1	129				
Surr: Dibromofluoromethane	47.53	0	50.00		95.1	83.6	123				
Surr: Toluene-d8	49.76	0	50.00		99.5	81.8	118				

Sample ID: **1707A76-001AMS** Client ID: Units: **ug/L** Prep Date: **07/19/2017** Run No: **347915**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **245734** Analysis Date: **07/19/2017** Seq No: **7641469**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	57.89	5.0	50.00		116	64.3	149				
Benzene	55.10	5.0	50.00		110	71.6	132				
Chlorobenzene	49.99	5.0	50.00		100.0	73.1	126				
Toluene	55.18	5.0	50.00		110	72.5	135				
Trichloroethene	53.94	5.0	50.00		108	70.2	132				
Surr: 4-Bromofluorobenzene	49.30	0	50.00		98.6	66.1	129				
Surr: Dibromofluoromethane	47.16	0	50.00		94.3	83.6	123				
Surr: Toluene-d8	50.57	0	50.00		101	81.8	118				

Sample ID: **1707A76-001AMSD** Client ID: Units: **ug/L** Prep Date: **07/19/2017** Run No: **347915**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **245734** Analysis Date: **07/19/2017** Seq No: **7641473**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	54.03	5.0	50.00		108	64.3	149	57.89	6.90	30.8	
Benzene	54.28	5.0	50.00		109	71.6	132	55.10	1.50	20.7	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental International Corp
Project Name: MTL
Workorder: 1707919

ANALYTICAL QC SUMMARY REPORT

BatchID: 245734

Sample ID: **1707A76-001AMSD** Client ID:
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B**
Units: **ug/L** Prep Date: **07/19/2017** Run No: **347915**
BatchID: **245734** Analysis Date: **07/19/2017** Seq No: **7641473**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	50.01	5.0	50.00		100	73.1	126	49.99	0.040	26.6	
Toluene	53.88	5.0	50.00		108	72.5	135	55.18	2.38	23.2	
Trichloroethene	52.25	5.0	50.00		104	70.2	132	53.94	3.18	27.7	
Surr: 4-Bromofluorobenzene	49.71	0	50.00		99.4	66.1	129	49.30	0	0	
Surr: Dibromofluoromethane	47.88	0	50.00		95.8	83.6	123	47.16	0	0	
Surr: Toluene-d8	50.57	0	50.00		101	81.8	118	50.57	0	0	

Qualifiers:

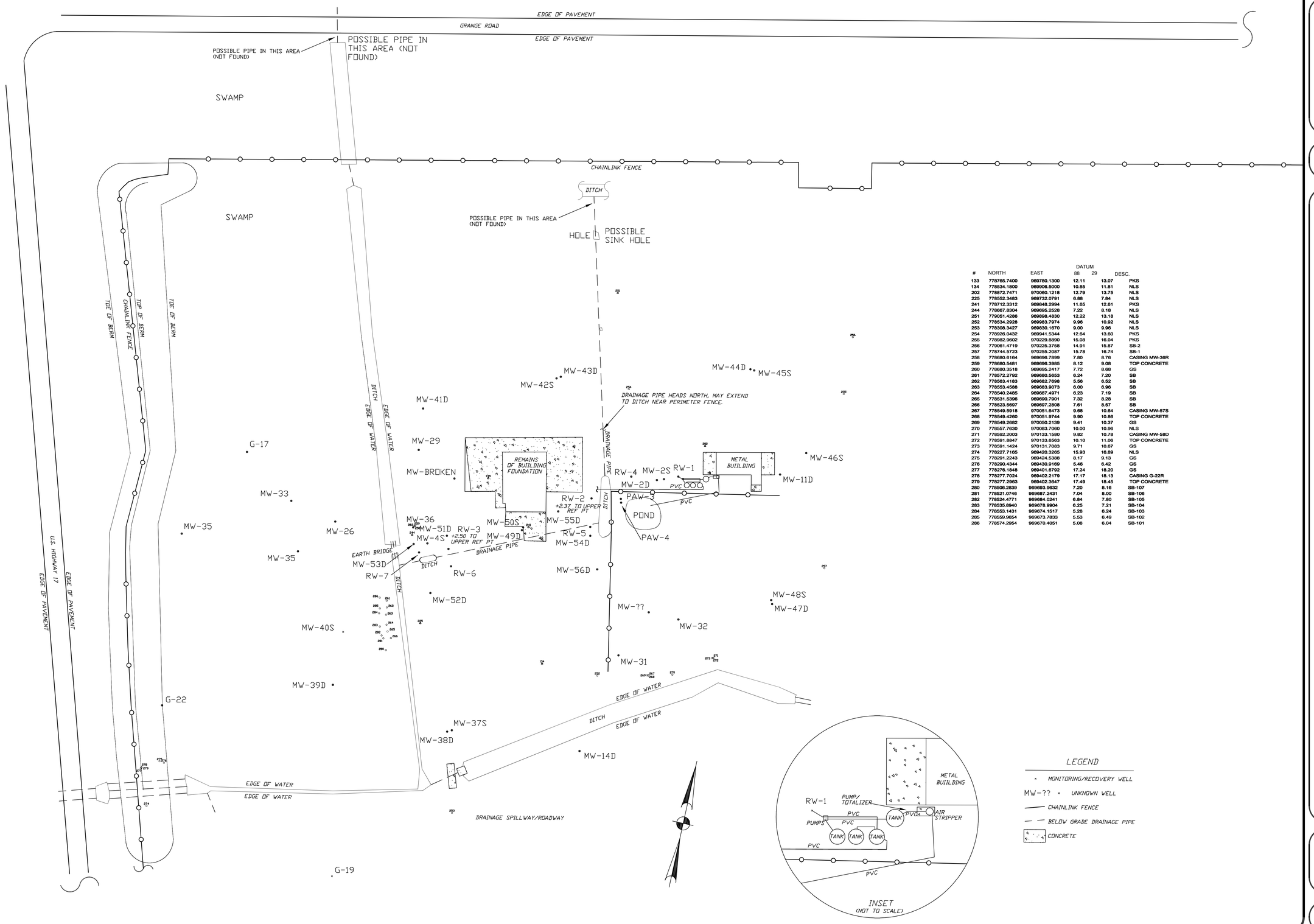
>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

HSI SITE 10406, FORMER MCKENZIE TANK LINES SITE
111 GRANGE ROAD, PORT WENTWORTH, GEORGIA

SEVENTH SEMI-ANNUAL PROGRESS REPORT

ATTACHMENT 4-1
SOIL BORING AND MONITORING WELL SURVEY

SURVEYOR NOTE:
1. EXISTING ON SITE CONTROL PROVIDED BY EIC USED FOR THIS SURVEY.
2. BACKGROUND DATA TAKEN FROM FILE PROVIDED BY EIC.



#	NORTH	EAST	DATUM 88	29	DESC.
133	778765.7400	969780.1300	12.11	13.07	PKS
134	778534.1800	969906.5000	10.85	11.81	NLS
202	778872.7471	970060.1218	12.79	13.75	NLS
225	778552.3483	969732.0791	6.88	7.84	NLS
241	778712.3312	969848.2994	11.65	12.61	PKS
244	778667.8304	969695.2528	7.22	8.18	NLS
251	779051.4286	969898.4830	12.22	13.18	NLS
252	778534.2928	969983.7974	9.96	10.92	NLS
253	778308.3427	969830.1870	9.00	9.96	NLS
254	778926.0432	969941.5344	12.64	13.60	PKS
255	778982.9602	970229.8890	15.08	16.04	PKS
256	779061.4719	970225.3758	14.91	15.87	SB-2
257	778744.5723	970255.2087	15.78	16.74	SB-1
258	778680.6164	969696.7899	7.80	8.76	CASING MW-36R
259	778680.5481	969696.3985	8.12	9.08	TOP CONCRETE
260	778680.3518	969695.2417	7.72	8.68	GS
261	778572.2792	969680.5653	6.24	7.20	SB
262	778563.4183	969682.7698	5.56	6.52	SB
263	778553.4588	969683.9073	6.00	6.96	SB
264	778540.2485	969687.4971	6.23	7.19	SB
265	778531.5396	969690.7901	7.32	8.28	SB
266	778523.5697	969697.2808	7.61	8.57	SB
267	778549.5918	970051.6473	9.68	10.64	CASING MW-57S
268	778549.4260	970051.9744	9.90	10.86	TOP CONCRETE
269	778549.2682	970050.2139	9.41	10.37	GS
270	778557.7630	970083.7060	10.00	10.96	NLS
271	778592.2003	970133.1580	9.82	10.78	CASING MW-58D
272	778591.8847	970133.6563	10.10	11.06	TOP CONCRETE
273	778591.1424	970131.7083	9.71	10.67	GS
274	778227.7165	969420.3265	15.93	16.89	NLS
275	778291.2243	969424.5388	8.17	9.13	GS
276	778290.4344	969430.9169	5.46	6.42	GS
277	778276.1848	969401.6792	17.24	18.20	GS
278	778277.7024	969402.2179	17.17	18.13	CASING G-22R
279	778277.2963	969402.3647	17.49	18.45	TOP CONCRETE
280	778506.2839	969693.9632	7.20	8.16	SB-107
281	778521.0746	969687.2431	7.04	8.00	SB-106
282	778524.4771	969684.0241	6.84	7.80	SB-105
283	778535.8940	969678.9904	6.25	7.21	SB-104
284	778553.1431	969674.1517	5.28	6.24	SB-103
285	778559.9654	969673.7833	5.53	6.49	SB-102
286	778574.2954	969670.4051	5.08	6.04	SB-101

LEGEND

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

MOCK SURVEYING, INC.
9134 OLD RIVER ROAD
BROOKLET, GA 30415
PH:(912) 657-4010
SURVEYING@BULLOCH.NET

GEORGIA REGISTERED No. 3002992 LAND SURVEYOR JEFFREY WAYNE MOCK

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

30' 15' 0' 30'
GRAPHIC SCALE: 1"=30'-0"

LIMITED LOCATION SURVEY

McKENZIE TANK LINES
GEORGIA PORTS AUTHORITY
PORT WENTWORTH, CHATHAM COUNTY, GEORGIA
PREPARED FOR:
ENVIROMENTAL INTERNATIONAL CORPORATION

PROJECT NO.:	17-082
DRAWN BY:	JWM
SURVEYED BY:	JWM
SURVEY DATE:	7-19-17
CHECKED BY:	JWM
SCALE:	1" = 30'
DATE:	7-19-17

SHEET 1 OF 1

HSI SITE 10406, FORMER MCKENZIE TANK LINES SITE
111 GRANGE ROAD, PORT WENTWORTH, GEORGIA

SEVENTH SEMI-ANNUAL PROGRESS REPORT

ATTACHMENT 8-1
MONTHLY SUMMARY OF HOURS INVOICED (MAY 2017 – OCTOBER 2017)

Environmental International Corporation
McKenzie Tank Lines VIRP Summary of Hours
May 2017 through October 2017

TASKS	May 17	Jun 17	Jul 17	Aug 17	Sep 17	Oct 17	TOTAL
Semi-Annual Report Preparation	0.00	0.00	62.25	18.25	38.00	7.00	126
GW Sampling	0.00	20.00	23.75	5.00	49.75	130.50	229
Soil Borings/Sediment Sampling, Well Abandonments and Installations	6.00	37.25	67.50	1.00	0.00	0.00	112
Soil/Sediment Remediation	0.00	0.00	29.75	201.00	6.00	0.00	
Groundwater Remedial Design	5.50	25.00	48.50	1.50	0.00	0.00	81
Meetings	0.00	1.75	0.00	32.50	0.00	0.00	34
TOTAL	**12**	**84**	**232**	**259**	**94**	**138**	**818**